

# R 952 Litronic

## LIEBHERR

Crawler excavator



**Generation**  
8

**Operating weight**  
58,930 kg / 129,920 lb

**Engine**  
402 HP / 300 kW  
Stage V  
Tier 4 Final  
Non-regulated only  
for select markets

**Bucket capacity**  
2.00–3.70 m<sup>3</sup> /  
2.62–4.84 yd<sup>3</sup>

# Robustness, performance, innovation

## R 952

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### ① Maintenance

- Flat access platform for the engine compartment, without protrusions, fitted with non-slip studs
- Optional left and right catwalks
- Automatic central lubrication system with lubrication strategies fully integrated into the human-machine interface
- Optional shut-off valve on hydraulic tank outlet

### ② Equipment

- Wide choice of types and lengths of backhoe attachments
- Welded structure with cast steel components for improved stress-resistance and longer service life
- Safety check valves to prevent boom and stick cylinder pipes from bursting, with integrated regeneration system for lower fuel consumption
- New Liebherr Positive Control hydraulic control system for more rapid and efficient movements

### ③ Safety

- Completely unobstructed, best-on-the-market visibility and rear- and side-view monitoring cameras as standard
- Haptic display to ensure safer operation and prevent accidental activation
- Retractable console for safe, easy cab access
- Fully retractable or optional partially fixed windscreen and impact-resistant roof glass panel as standard
- Roll over protective structure ROPS
- Optional retractable electric ladder

### ④ Undercarriage

- Large choice of welded undercarriages with fixed or adjustable tracks
- Double or triple grouser track pads depending on the application
- Track rollers with lifetime lubrication
- Forged one-tooth sprocket with material ejection

### ⑤ Comfort

- The latest and most innovative operator's cab on the market, quiet and very comfortable
- Heated seat with pneumatic multi-directional shock absorption (air conditioning optional)
- High-resolution 10" color touchscreen
- Groundbreaking, intuitive INTUSI human-machine interface



## ⑥ Buckets

- New design for bucket and teeth
- Different levels of protection to suit different areas of application:
  - HD for loose, minimally abrasive materials
  - HDR for hard-to-break, moderately abrasive materials
  - HDV for highly abrasive materials
- Different blade versions:
  - Straight (for earthmoving and grading)
  - Semi-delta (for hard-to-break, hard-to-extract materials)
  - Delta (for compacted or slightly cracked materials)

## ⑦ New technologies

- **Liebherr Power Efficiency (LPE)**  
Up to 10% reduction in fuel consumption, as standard
- **Bucket Fill Assist (BFA)**  
Automatic bucket-filling cycle for increased productivity, as standard with 500 machine hours included
- **Modetronic**  
Customizable driving modes for optimized work cycles tailored to each type of application, as standard
- **Machine control**  
2D passive machine control included as standard, with numerous other control options available (active, 3D, etc.)
- **Dynamic weighing**  
Integrated dynamic weighing system as standard with 500 machine hours included
- **Liebherr Connect**  
Latest-generation telemetry system, as standard
- **MyLiebherr**  
Series customer portal with numerous downloadable applications (subscription required)



# Maintenance & robustness

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## A machine designed to last

Intended for the most demanding environments applications, the R 952 has been developed with particular attention to component robustness and ease of maintenance. With every detail, the aim is to maximize the availability of the machine and reduce downtime.



## Easier maintenance

Flat and free from protrusions, the engine access platform is designed to enable quick, safe maintenance. Non-slip surfaces and fully unobstructed access platforms offer ideal conditions for maintenance operations, whatever the conditions on the job site.

The automatic central lubrication system, available as standard, is fully integrated into the human-machine interface. Lubrication strategies are adjusted automatically, ensuring optimal lubrication of key components while also limiting omissions and errors.

## Robust structure

The welded structure combines high-strength steels and cast steel components for effective resistance to operational stresses. This tried and tested design guarantees high durability, even under continuous intensive use.

The sticks are dust-tight as standard and feature bearings with protective caps for the axles and enhanced lubrication for greater robustness and performance.



# Working attachments & undercarriage

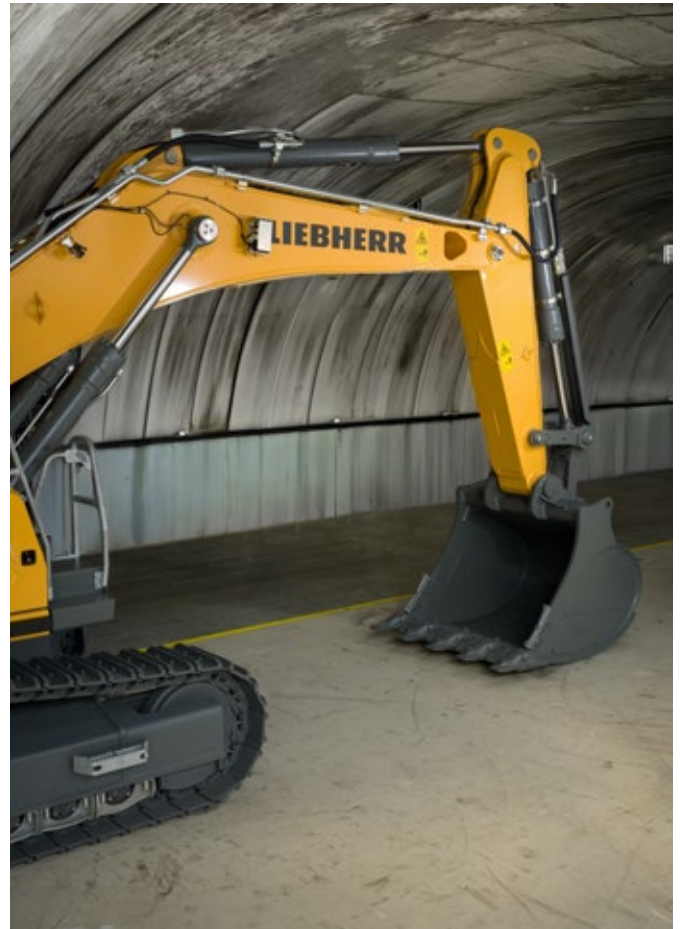
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## Versatility for all applications

Thanks to a wide range of working attachments and an undercarriage designed for stability and traction, the R 952 can adapt precisely to every job, from standard earthmoving applications to particularly challenging applications.

## Custom attachments

The R 952 offers a vast choice of booms, sticks, and backhoe bucket configurations, allowing the machine to be optimized for each specific application. The new Liebherr Positive Control hydraulic control system ensures rapid, smooth and perfectly coordinated movements, along with maximum productivity.



## High-strength undercarriage

The welded undercarriage features an extra-rigid X-shaped profile, guaranteeing stability and optimum load distribution.

The permanently lubricated track rollers and forged single-tooth sprocket with automatic material ejection ensure improved reliability and lower maintenance costs over the long term.

Double- or triple-grouser track pads are available as required, offering optimum traction on all types of ground.



# New generation 8 TL 07 bucket

## Buckets for all types of digging material

The new generation of Liebherr buckets and teeth is available with several levels of protection (HD, HDR and HDV), to cater precisely to the challenges of the digging mate-

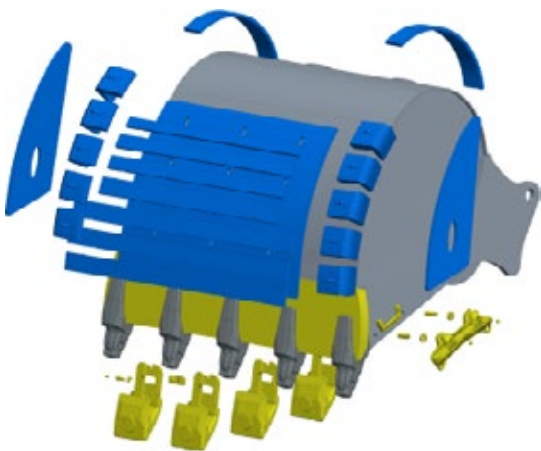
rials worked on. The different blade versions allow penetration and filling to be optimized for any type of ground whatsoever.

## New model names

of wear kits HD, HDR and HDV

## Many designs

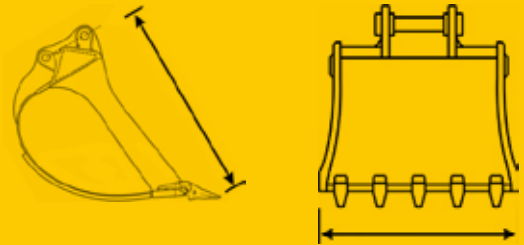
and configurable options



## New range

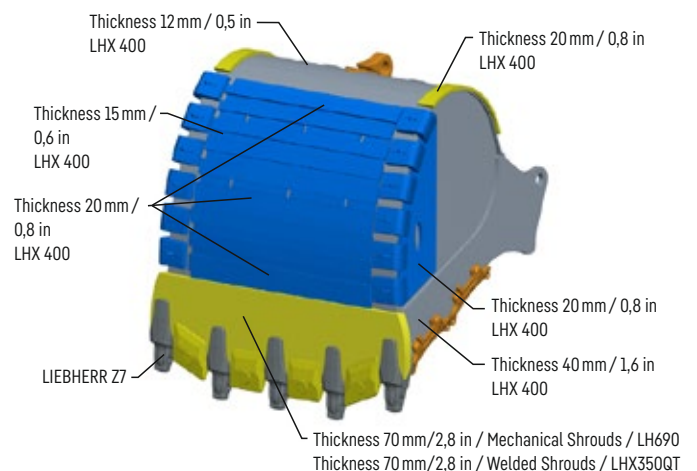
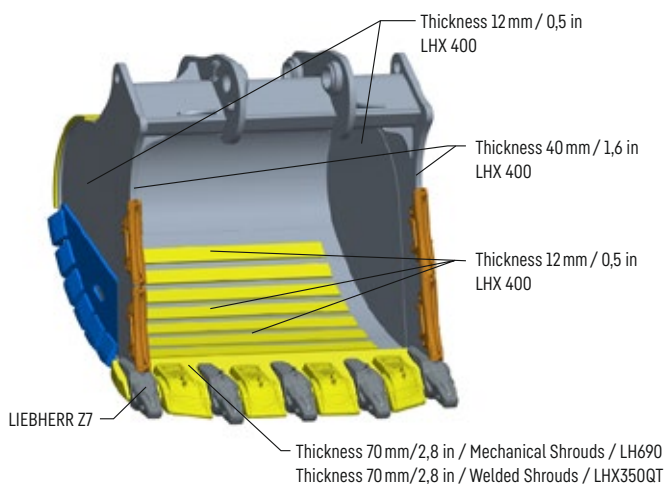
clear and well structured

**4 blade widths + 4 shapes  
= 9 buckets**



|   | 1,500 mm /<br>4' 11" | 1,700 mm /<br>5' 7" | 1,950 mm /<br>6' 5" | 2,150 mm /<br>7' 1" |
|---|----------------------|---------------------|---------------------|---------------------|
| R | 2.00 m³/2.62 yd³     | 2.30 m³/3.00 yd³    | 2.70 m³/3.53 yd³    | –                   |
| S | –                    | 2.50 m³/3.27 yd³    | 3.00 m³/3.92 yd³    | 3.50 m³/4.58 yd³    |
| V | –                    | –                   | 3.25 m³/4.25 yd³    | 3.70 m³/4.84 yd³    |
| W | –                    | –                   | –                   | 4.00 m³/5.23 yd³    |

## Materials and thicknesses



# New generation 3 tooth system

The new Liebherr Z G3 tooth system was designed to enhance the end-user experience and was optimized to provide even more performance than the previous system.

## Improved tooth design

The tooth in the new Z G3 system has a self-sharpening design which means, as it wears down, the edge naturally becomes sharper to maintain optimal penetration, which in turn makes digging more efficient. Plus, the tooth has extra wear material in all the most important places to prevent premature wear while working in highly abrasive environments and ensure long-lasting performance. For even more durability, the retainer that secures the tooth to the adapters within the system is made of metal and so can handle long stretches in storage as well as extreme temperature while it's working. As a bonus, the retainer is also pre-installed onto the tooth to help speed up and simplify the installation process!



## Advanced wear cap and adapter design

The updated design of both the adapter and the wear cap in the Z G3 system are full of new features. There are large contact surfaces on the adapter's nose that minimizes plastic deformation, wear indicators so technicians confidently know when the wear cap needs to be replaced, and weld protection to prevent wear along the bottom and sides of the adapter. On top of all that, the new adapter is designed to evenly distribute both stress and load for better stability and performance.

## Secure locking system

The Z G3 system's locking system can be installed and removed in two easy, hammerless steps for fast and simple maintenance. Supporting this easy installation is a locking hole in the tooth that has a poka-yoke mechanism, which guides the pin into the right position each and every time. And technicians can be certain installation has occurred correctly as the locking system makes an audible 'click' when the pin has been securely locked in place.



# New technologies

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## Latest generation technologies

The R 952 includes as standard the **Liebherr Power Efficiency (LPE)** concept, allowing up to 10% lower fuel consumption.

The **Bucket Fill Assist (BFA)** system automates bucket filling for consistent productivity, while **Modetronic** allows machine behaviour to be adapted to each operator and each application.

**2D passive machine control**, integrated **dynamic weighing** and **Liebherr Connect** connectivity complete this set of technologies, delivering a precise, connected and performance-oriented machine.

## On-board intelligence and maximum productivity

The Liebherr technologies included as standard in the R 952 optimize each work cycle while also reducing consumption and component wear.



# The new emCAB operator's cab

## The new operating system for a smarter job site

In today's construction industry, intuitive machine control is essential for maximizing productivity and ease of use. INTUSI (Intuitive User Interface) integrates intelligent control logic with advanced machine learning capabilities, offering a highly customizable interface. This innovation significantly enhances operational efficiency and user comfort on the job site.



## Ultra-ergonomic control with Liebherr joysticks

Central to the INTUSI experience are two joysticks designed and developed by Liebherr to the highest quality standards, ergonomically positioned on either side of the operator's seat. Designed for comfort at work, they offer a completely natural and very comfortable grip and reduce operator fatigue – even during extended shifts.

## Intuitive operation thanks to uncluttered control units

A compact display to the right of the operator enables quick access to important functions. The optimized arrangement of the control elements on the right-hand console ensures intuitive operation and minimizes fatigue. An operating system that adapts to your needs, not the other way around.



# Technical data



## Diesel engine

|                              |                                                                                                                                                                     |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rating</b>                |                                                                                                                                                                     |
| per SAE J1349                | 402 HP (300 kW) at 1,800 rpm                                                                                                                                        |
| per ISO 9249                 | 408 HP (300 kW) at 1,800 rpm                                                                                                                                        |
| <b>Torque</b>                | 2,280 Nm at 1,000 rpm / <b>1,682 lbf ft at 1,000 rpm</b>                                                                                                            |
| <b>Model</b>                 | Liebherr D956 A7-05                                                                                                                                                 |
| <b>Type</b>                  | 6 cylinder in-line                                                                                                                                                  |
| Bore / Stroke                | 130 / 150 mm / <b>5.1 / 5.9 in</b>                                                                                                                                  |
| Displacement                 | 11.9 l / <b>726 in<sup>3</sup></b>                                                                                                                                  |
| <b>Engine operation</b>      | 4-stroke diesel                                                                                                                                                     |
|                              | Common-Rail, monoturbo                                                                                                                                              |
| <b>Exhaust gas treatment</b> | Certifications:<br>EU Stage V / US Tier 4 Final / Non regulated<br>DOC + SCR Filter (not applicable for Non regulated)<br>Passive regeneration by thermo management |
| <b>Air cleaner</b>           | Dry-type air cleaner with pre-cleaner, primary and safety elements                                                                                                  |
| <b>Fuel tank</b>             | 900 l / <b>238 gal</b>                                                                                                                                              |
| <b>Urea tank</b>             | 90 l / <b>24 gal</b>                                                                                                                                                |
| <b>Engine idling</b>         | Sensor controlled                                                                                                                                                   |
| <b>Electrical system</b>     |                                                                                                                                                                     |
| Voltage                      | 24 V                                                                                                                                                                |
| Batteries                    | 2 x 180 Ah / 12 V                                                                                                                                                   |
| Alternator                   | Three-phase current 28 V / 140 A                                                                                                                                    |



## Cooling system

|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| <b>Diesel engine</b> | Water-cooled and oil cooler, after-cooled and fuel cooled |
|----------------------|-----------------------------------------------------------|



## Hydraulic controls

|                               |                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power distribution</b>     | Via control valves, simultaneous and independent actuation of undercarriage, swing drive and equipment                                   |
| <b>Electric servo circuit</b> | Electro-hydraulic control                                                                                                                |
| Equipment and swing Travel    | Proportional via joystick levers<br>– Proportional control via foot pedals or removable levers<br>– Automatic or manual speed adjustment |
| <b>Additional functions</b>   | Proportional regulation via foot pedals or mini-joystick                                                                                 |



## Hydraulic system

|                                             |                                                                                                                                                                                                                                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hydraulic system</b>                     | Positive Control hydraulic system. Demand-based, double independent pump flows<br>Features high system dynamics and sensitivity provided by integrated system controlling<br>Independent circuit for rotation with braking energy reutilisation |
| <b>Hydraulic pumps</b>                      |                                                                                                                                                                                                                                                 |
| For equipment and travel drive              | Two Liebherr variable displacement, swashplate pumps                                                                                                                                                                                            |
| Max. flow                                   | 2 x 380 l/min. / <b>2 x 100 gpm</b>                                                                                                                                                                                                             |
| Max. pressure                               | 380 bar / <b>5,511 psi</b>                                                                                                                                                                                                                      |
| For swing drive                             | Swashplate pump, closed-loop circuit                                                                                                                                                                                                            |
| Max. flow                                   | 250 l/min. / <b>66 gpm</b>                                                                                                                                                                                                                      |
| Max. pressure                               | 400 bar / <b>5,802 psi</b>                                                                                                                                                                                                                      |
| <b>Pump management</b>                      | Electronic management synchronous to the control block                                                                                                                                                                                          |
| <b>Hydraulic tank</b>                       | 365 l / <b>96 gal</b>                                                                                                                                                                                                                           |
| <b>Hydraulic system</b>                     | max. 710 l / <b>188 gal</b>                                                                                                                                                                                                                     |
| <b>Filtration</b>                           | 2 full flow filters in return line with integrated fine filter area (10 µm / <b>1,250 mesh</b> )                                                                                                                                                |
| Option                                      | 2 filters 200 µm / <b>66 mesh</b> upstream of the main distributor                                                                                                                                                                              |
| <b>MODE selection</b>                       | Adjustment of engine and hydraulic performance via a mode pre-selector to match application, e.g. for especially economical operation or for maximum digging performance and heavy-duty jobs                                                    |
| E (Eco)                                     | Mode for especially economical operation                                                                                                                                                                                                        |
| P (Power)                                   | Mode for high performance with low fuel consumption                                                                                                                                                                                             |
| P+ (Power-Plus)                             | Mode for highest performance and for very heavy duty applications, suitable for intensive continuous operation                                                                                                                                  |
| <b>Engine speed and performance setting</b> | Stepless adjustment of engine output and hydraulic power via engine speed. LPE mode optimizes the interaction between the diesel engine and the working hydraulics for maximum fuel efficiency                                                  |
| Option                                      | Tool Control: 20 pre-adjustable pump flows and pressures for attachments supplied by the auxiliary high-pressure circuit                                                                                                                        |



## Swing drive

|                      |                                                               |
|----------------------|---------------------------------------------------------------|
| <b>Drive</b>         | Liebherr axial piston motor                                   |
| <b>Transmission</b>  | Liebherr compact planetary reduction gears                    |
| <b>Swing ring</b>    | Liebherr, sealed race ball bearing swing ring, internal teeth |
| <b>Swing speed</b>   | 0-6.7 rpm stepless                                            |
| <b>Swing torque</b>  | 185 kNm / <b>136,450 lbf ft</b>                               |
| <b>Holding brake</b> | Wet multi-disc (spring applied, pressure released)            |



## Cab

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cab</b>                              | ROPS / TOPS safety cab structure (roll-over / tip-over protection system) with individual windscreens or featuring a slide-in subpart under the ceiling, headlights integrated in the ceiling, a door with a sliding window, large stowing and depositing possibilities, shock-absorbing suspension, sound damping insulating, laminated safety glass, separate window shades for the sunroof window and windscreen |
| <b>Operator's seat Comfort</b>          | Air cushioned operator's seat with 3D-adjustable armrests, headrest, lap belt, seat heater (2-stage), adjustable seat cushion inclination and length, lockable horizontal suspension, automatic weight adjustment, pneumatic low frequency suspension, adjustable suspension stiffness, pneumatic lumbar vertebrae support and passive seat climatization with active coal                                          |
| <b>Operator's seat Premium (Option)</b> | In addition to operator's seat Comfort: active electronic weight adjustment (automatic readjustment) and active seat climatization with active coal and ventilator                                                                                                                                                                                                                                                  |
| <b>Arm consoles</b>                     | Joysticks with control consoles attached to the seat, folding left control console                                                                                                                                                                                                                                                                                                                                  |
| <b>Operation and displays</b>           | Large high-resolution operating unit, intuitive, color display with touchscreen, haptic feedback, video-compatible, numerous setting, control and monitoring options, e.g. air conditioning control, fuel consumption, machine and attachment parameters, separate display for rear view and side view monitoring                                                                                                   |
| <b>Air-conditioning</b>                 | Automatic air-conditioning, recirculated air function, fast de-icing and demisting at the press of a button, air vents can be operated via a menu; recirculated air and fresh air filters can be easily replaced and are accessible from the outside; heating-cooling unit, designed for extreme outside temperatures, sensors for solar radiation, inside and outside temperatures (country-dependent)             |



## Undercarriage

|                                         |                                                                                                                                                                                                    |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Versions</b>                         |                                                                                                                                                                                                    |
| HD                                      | Gauge 2,890 mm / <b>9'6"</b>                                                                                                                                                                       |
| HD-V                                    | Gauge 2,390-2,890 mm / <b>7'10"-9'6"</b>                                                                                                                                                           |
| WLC-V                                   | Gauge 3,200-3,700 mm / <b>10'6"-12'2"</b>                                                                                                                                                          |
| <b>Drive</b>                            | Liebherr compact planetary reduction gear with Liebherr axial piston motor on both sides                                                                                                           |
| <b>Transmission</b>                     | Liebherr compact planetary reduction gear                                                                                                                                                          |
| <b>Maximum travel speed</b>             | 2.4 km/h / <b>1.5 mph</b> low range (HD / HD-V)<br>3.7 km/h / <b>2.3 mph</b> high range (HD / HD-V)<br>2.5 km/h / <b>1.6 mph</b> low range (WLC-V)<br>5.2 km/h / <b>3.2 mph</b> high range (WLC-V) |
| <b>Drawbar pull on crawler</b>          | 499 kN / <b>112,180 lbf</b> (HD / HD-V)<br>383 kN / <b>86,100 lbf</b> (WLC-V)                                                                                                                      |
| <b>Track components</b>                 | D8, maintenance-free (HD / HD-V)<br>D7G, maintenance-free (WLC-V)                                                                                                                                  |
| <b>Track rollers / Carrier rollersz</b> | 9 / 2 (HD)<br>9 / 3 (HD-V)<br>10 / 2 (WLC-V)                                                                                                                                                       |
| <b>Tracks</b>                           | Sealed and greased                                                                                                                                                                                 |
| <b>Track pads</b>                       | Double grouser, chamfered                                                                                                                                                                          |
| <b>Holding brake</b>                    | Wet multi-disc (spring applied, pressure released)                                                                                                                                                 |
| <b>Brake valves</b>                     | Integrated into travel motor                                                                                                                                                                       |
| <b>Lashing eyes</b>                     | Integrated                                                                                                                                                                                         |



## Equipment

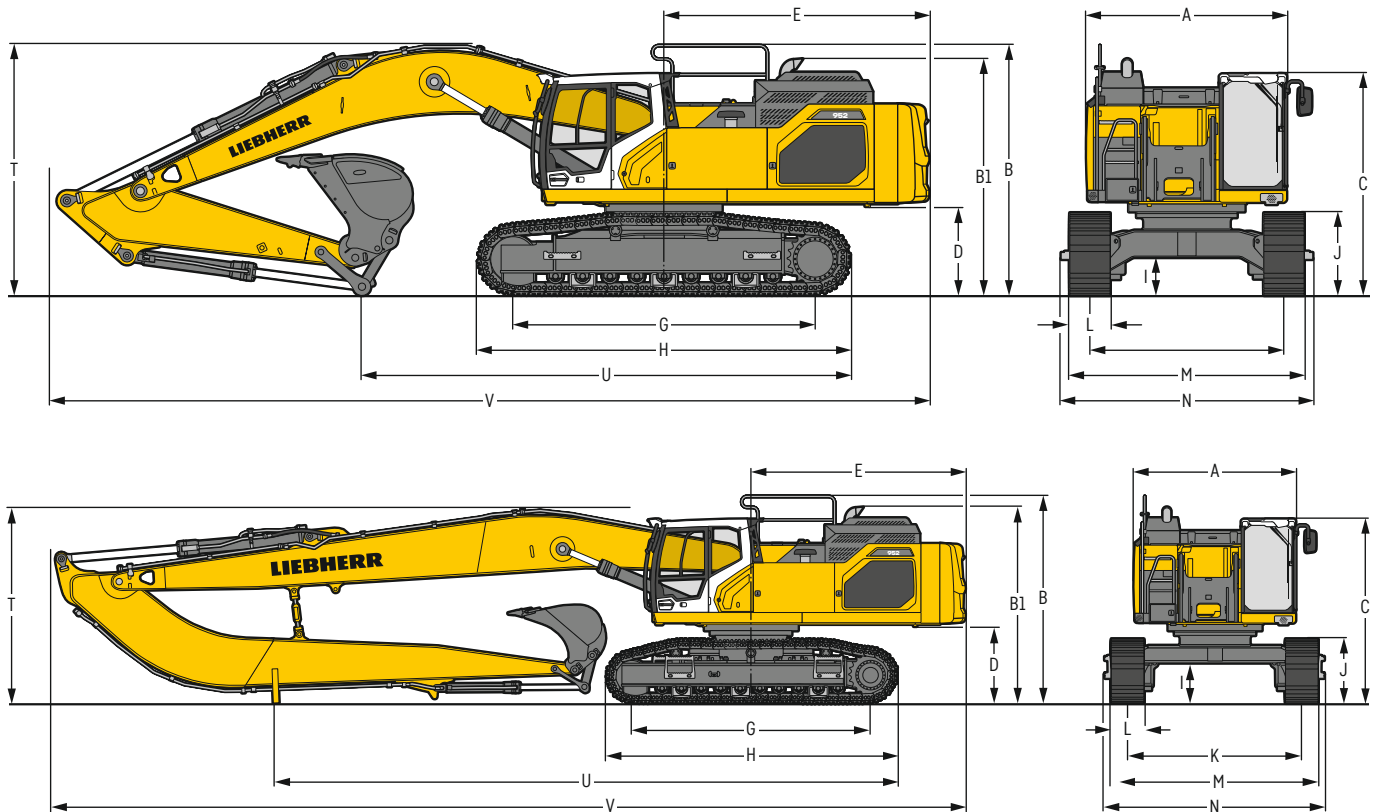
|                            |                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Type</b>                | Optimized combination of resistant steel plates and cast steel components                               |
| <b>Hydraulic cylinders</b> | Liebherr cylinders with special sealing and guide system and electronically controlled shock absorption |
| <b>Bearings</b>            | Sealed, low maintenance                                                                                 |
| <b>Backhoe buckets</b>     | New TL 07 design with the new Z G3 generation of teeth                                                  |



## Complete machine

|                              |                                                                           |
|------------------------------|---------------------------------------------------------------------------|
| <b>Lubrication</b>           | Liebherr central lubrication system                                       |
| <b>Hydraulic connections</b> | Pipes and hoses equipped with SAE split-flange connections (standardized) |
| <b>Noise emission</b>        |                                                                           |
| ISO 6396                     | 72 dB(A) = L <sub>pA</sub> (inside cab)                                   |
| 2000/14/EC                   | 107 dB(A) = L <sub>WA</sub> (surround noise)                              |

# Dimensions



|    |                                         | HD                                         |                                            |                                            | HD-V                                                    |                                                         |                                                         |
|----|-----------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
|    |                                         | mm / ft in                                 |                                            |                                            | mm / ft in                                              |                                                         |                                                         |
| A  | Uppercarriage width                     |                                            |                                            | 2,990 / 9'10"                              |                                                         |                                                         | 2,990 / 9'10"                                           |
| B  | Uppercarriage height                    |                                            |                                            | 3,745 / 12' 3"                             |                                                         |                                                         | 3,850 / 12' 8"                                          |
| B1 | Uppercarriage height (handrails folded) |                                            |                                            | 3,535 / 11' 7"                             |                                                         |                                                         | 3,640 / 11' 11"                                         |
| C  | Cab height                              |                                            |                                            | 3,315 / 10' 11"                            |                                                         |                                                         | 3,420 / 11' 3"                                          |
| D  | Counterweight ground clearance          |                                            |                                            | 1,330 / 4' 4"                              |                                                         |                                                         | 1,435 / 4' 8"                                           |
| E  | Rear-end length                         |                                            |                                            | 3,950 / 13'                                |                                                         |                                                         | 3,950 / 13'                                             |
| G  | Wheelbase                               |                                            |                                            | 4,500 / 14' 9"                             |                                                         |                                                         | 4,500 / 14' 9"                                          |
| H  | Undercarriage length                    |                                            |                                            | 5,560 / 18' 3"                             |                                                         |                                                         | 5,560 / 18' 3"                                          |
| I  | Undercarriage ground clearance          |                                            |                                            | 565 / 1' 10"                               |                                                         |                                                         | 760 / 2' 6"                                             |
| J  | Track height                            |                                            |                                            | 1,230 / 4'                                 |                                                         |                                                         | 1,230 / 4'                                              |
| K  | Track gauge                             |                                            |                                            | 2,890 / 9' 6"                              |                                                         |                                                         | 2,390-2,890 / 7' 10"- 9' 6"                             |
| L  | Track pad width                         | 600 / 24"                                  | 750 / 30"                                  | 900 / 35"                                  | 600 / 24"                                               | 750 / 30"                                               | 900 / 35"                                               |
| M  | Width over tracks                       | 3,500 / 11' 6"                             | 3,640 / 11' 11"                            | 3,790 / 12' 5"                             | 3,000-3,500 / 9' 10"-11' 6"                             | 3,140-3,640 / 10' 4"-11' 11"                            | 3,290-3,790 / 10' 10"-12' 5"                            |
| N  | Width over steps                        | 3,750 <sup>1)</sup> / 22' 4" <sup>1)</sup> | 3,750 <sup>1)</sup> / 22' 4" <sup>1)</sup> | 3,750 <sup>1)</sup> / 22' 4" <sup>1)</sup> | 3,250-3,750 <sup>1)</sup> / 10' 8"-12' 4" <sup>1)</sup> | 3,250-3,750 <sup>1)</sup> / 10' 8"-12' 4" <sup>1)</sup> | 3,250-3,750 <sup>1)</sup> / 10' 8"-12' 4" <sup>1)</sup> |

|    |                                         | WLC-V                                                    |                                                          |                                                          | mm / ft in                                               |                                                          |                                                          |
|----|-----------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
|    |                                         |                                                          |                                                          |                                                          |                                                          |                                                          |                                                          |
| A  | Uppercarriage width                     |                                                          |                                                          |                                                          |                                                          |                                                          | 2,990 / 9'10"                                            |
| B  | Uppercarriage height                    |                                                          |                                                          |                                                          |                                                          |                                                          | 3,830 / 12' 7"                                           |
| B1 | Uppercarriage height (handrails folded) |                                                          |                                                          |                                                          |                                                          |                                                          | 3,620 / 11' 11"                                          |
| C  | Cab height                              |                                                          |                                                          |                                                          |                                                          |                                                          | 3,400 / 11' 2"                                           |
| D  | Counterweight ground clearance          |                                                          |                                                          |                                                          |                                                          |                                                          | 1,415 / 4' 8"                                            |
| E  | Rear-end length                         |                                                          |                                                          |                                                          |                                                          |                                                          | 3,950 / 13'                                              |
| G  | Wheelbase                               |                                                          |                                                          |                                                          |                                                          |                                                          | 4,400 / 14' 5"                                           |
| H  | Undercarriage length                    |                                                          |                                                          |                                                          |                                                          |                                                          | 5,370 / 17' 7"                                           |
| I  | Undercarriage ground clearance          |                                                          |                                                          |                                                          |                                                          |                                                          | 735 / 2' 5"                                              |
| J  | Track height                            |                                                          |                                                          |                                                          |                                                          |                                                          | 1,180 / 3' 10"                                           |
| K  | Track gauge                             |                                                          |                                                          |                                                          |                                                          |                                                          | 3,200-3,700 / 10' 6"-12' 2"                              |
| L  | Track pad width                         | 600 / 24"                                                | 750 / 30"                                                | 900 / 35"                                                | 600 / 24"                                                | 750 / 30"                                                | 900 / 35"                                                |
| M  | Width over tracks                       | 3,800-4,300 / 12' 6"-14' 1"                              | 3,950-4,450 / 13' -14' 7"                                | 4,100-4,600 / 13' 5"-15' 1"                              | 3,800-4,300 / 12' 6"-14' 1"                              | 3,950-4,450 / 13' -14' 7"                                | 4,100-4,600 / 13' 5"-15' 1"                              |
| N  | Width over steps                        | 4,050-4,550 <sup>1)</sup> / 13' 3"-14' 11" <sup>1)</sup> | 4,050-4,550 <sup>1)</sup> / 13' 3"-14' 11" <sup>1)</sup> | 4,050-4,550 <sup>1)</sup> / 13' 3"-14' 11" <sup>1)</sup> | 4,050-4,550 <sup>1)</sup> / 13' 3"-14' 11" <sup>1)</sup> | 4,050-4,550 <sup>1)</sup> / 13' 3"-14' 11" <sup>1)</sup> | 4,050-4,550 <sup>1)</sup> / 13' 3"-14' 11" <sup>1)</sup> |

<sup>1)</sup> width with removable steps

|   |                  | Stick length    | Mono boom 6.95 m / 22'10" |                | Mono boom 7.70 m / 25'3" |                | Mono boom ME 6.50 m / 21'4" |               | Mono boom Multi-User | Mono boom Multi-User |
|---|------------------|-----------------|---------------------------|----------------|--------------------------|----------------|-----------------------------|---------------|----------------------|----------------------|
|   |                  | m / ft in       | direct mounting           |                | direct mounting          |                | direct mounting             |               | 9.50 m / 31'2"       | 11.50 m / 37'9"      |
|   |                  |                 | mm / ft in                |                | mm / ft in               |                | mm / ft in                  |               | direct mounting      | direct mounting      |
|   |                  |                 | HD                        | HD-V           | HD                       | HD-V           | HD                          | HD-V          | mm / ft in           | mm / ft in           |
|   |                  |                 | WLC-V                     |                | WLC-V                    |                | WLC-V                       |               | WLC-V                |                      |
| T | Boom height      | 2.90 / 9' 6"    | 3,800 / 12'6"             | 3,850 / 12' 8" | 3,850 / 12' 8"           | 3,900 / 12'10" | -                           | -             | -                    | -                    |
|   |                  | 3.35 / 11'      | 3,750 / 12'4"             | 3,750 / 12' 4" | 3,800 / 12' 6"           | 3,850 / 12' 8" | -                           | -             | -                    | -                    |
|   |                  | 3.90 / 12'10"   | 3,550 / 11'8"             | 3,600 / 11'10" | 3,650 / 12'              | 3,700 / 12' 2" | -                           | -             | -                    | -                    |
|   |                  | 2.50 / 8' 2" ME | -                         | -              | -                        | -              | 4,000 / 13'1"               | 4,050 / 13'3" | -                    | -                    |
|   |                  | 2.90 / 9' 6" ME | -                         | -              | -                        | -              | 4,150 / 13'7"               | 4,200 / 13'9" | -                    | -                    |
|   |                  | 6.25 / 20' 6"   | -                         | -              | -                        | -              | -                           | -             | 3,450 / 11'4"        | -                    |
|   |                  | 8.55 / 28' 1"   | -                         | -              | -                        | -              | -                           | -             | -                    | 3,650 / 12'          |
| U | Length on ground | 2.90 / 9' 6"    | 7,350 / 24'1"             | 7,300 / 23'11" | 8,050 / 26' 5"           | 8,000 / 26' 3" | -                           | -             | -                    | -                    |
|   |                  | 3.35 / 11'      | 6,600 / 21'8"             | 6,550 / 21' 6" | 7,300 / 23'11"           | 7,250 / 23' 9" | -                           | -             | -                    | -                    |
|   |                  | 3.90 / 12'10"   | 9,300 / 30'6"             | 9,250 / 30' 4" | 10,100 / 33' 2"          | 10,050 / 33'   | -                           | -             | -                    | -                    |
|   |                  | 2.50 / 8' 2" ME | -                         | -              | -                        | -              | 7,650 / 25'1"               | 7,550 / 24'9" | -                    | -                    |
|   |                  | 2.90 / 9' 6" ME | -                         | -              | -                        | -              | 7,250 / 23'9"               | 7,200 / 23'7" | -                    | -                    |
|   |                  | 6.25 / 20' 6"   | -                         | -              | -                        | -              | -                           | -             | 10,800 / 35'5"       | -                    |
|   |                  | 8.55 / 28' 1"   | -                         | -              | -                        | -              | -                           | -             | -                    | 11,500 / 37'9"       |
| V | Overall length   | 2.90 / 9' 6"    | 12,400 / 40'8"            |                | 13,100 / 43'             |                | -                           | -             | -                    | -                    |
|   |                  | 3.35 / 11'      | 12,400 / 40'8"            |                | 13,100 / 43'             |                | -                           | -             | -                    | -                    |
|   |                  | 3.90 / 12'10"   | 12,400 / 40'8"            |                | 13,100 / 43'             |                | -                           | -             | -                    | -                    |
|   |                  | 2.50 / 8' 2" ME | -                         | -              | -                        | -              | 11,900 / 39'1"              | -             | -                    | -                    |
|   |                  | 2.90 / 9' 6" ME | -                         | -              | -                        | -              | 11,900 / 39'1"              | -             | -                    | -                    |
|   |                  | 6.25 / 20' 6"   | -                         | -              | -                        | -              | -                           | -             | 14,850 / 48'9"       | -                    |
|   |                  | 8.55 / 28' 1"   | -                         | -              | -                        | -              | -                           | -             | -                    | 16,850 / 55'3"       |
|   | Bucket           |                 | 3.00 m³ / 3.92 yd³        |                | 2.30 m³ / 3.01 yd³       |                | 3.70 m³ / 4.84 yd³          |               | 1.75 m³ / 2.29 yd³   | 1.25 m³ / 1.63 yd³   |

# Transport dimensions

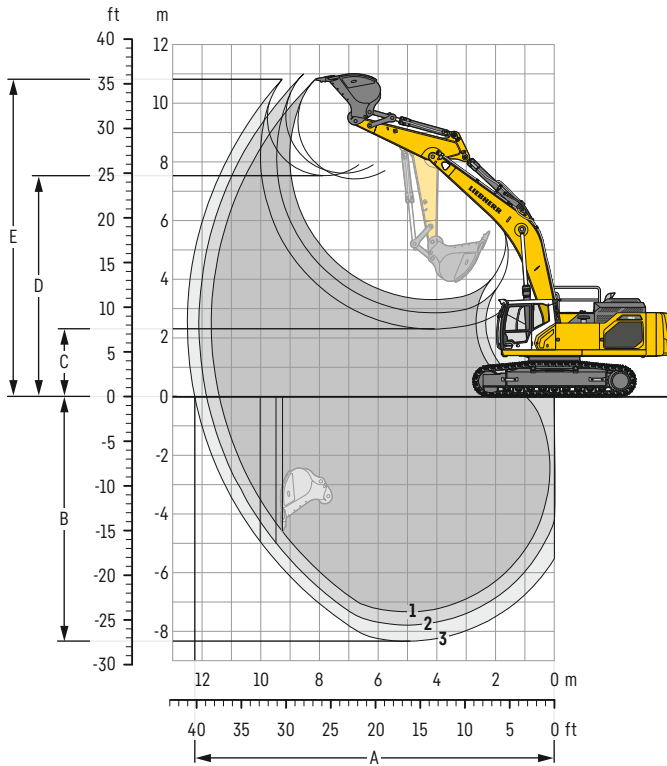
## removable elements disassembled

|                 | Undercarriage | Mono boom 6.95 m / 22'10" |                 |                 | Mono boom 7.70 m / 25'3" |                 |                 | Mono boom ME 6.50 m / 21'4" |                 |                 | Mono boom Multi-User<br>9.50 m / 31'2" |              |                | Mono boom Multi-User<br>11.50 m / 37'9" |              |                |
|-----------------|---------------|---------------------------|-----------------|-----------------|--------------------------|-----------------|-----------------|-----------------------------|-----------------|-----------------|----------------------------------------|--------------|----------------|-----------------------------------------|--------------|----------------|
|                 |               | mm / ft in                |                 |                 | mm / ft in               |                 |                 | mm / ft in                  |                 |                 | mm / ft in                             |              |                | mm / ft in                              |              |                |
| Pad width       |               | 600<br>24"                | 750<br>30"      | 900<br>35"      | 600<br>24"               | 750<br>30"      | 900<br>35"      | 600<br>24"                  | 750<br>30"      | 900<br>35"      | 600<br>24"                             | 750<br>30"   | 900<br>35"     | 600<br>24"                              | 750<br>30"   | 900<br>35"     |
| Transport width | HD            | 3,500<br>11'6"            | 3,640<br>11'11" | 3,790<br>12'5"  | 3,500<br>11'6"           | 3,640<br>11'11" | 3,790<br>12'5"  | 3,500<br>11'6"              | 3,640<br>11'11" | 3,790<br>12'5"  | -                                      | -            | -              | -                                       | -            | -              |
|                 | HD-V          | 3,000<br>9'10"            | 3,140<br>10'4"  | 3,290<br>10'10" | 3,000<br>9'10"           | 3,140<br>10'4"  | 3,290<br>10'10" | 3,000<br>9'10"              | 3,140<br>10'4"  | 3,290<br>10'10" | -                                      | -            | -              | -                                       | -            | -              |
|                 | WLC-V         | -<br>12'6"                | -<br>12'        | -<br>13'5"      | -                        | -               | -               | -                           | -               | -               | 3,800<br>12'6"                         | 3,950<br>12' | 4,100<br>13'5" | 3,800<br>12'6"                          | 3,950<br>12' | 4,100<br>13'5" |

|                  | Undercarriage / Stick | HD                 | HD-V           | HD                 | HD-V           | HD                 | HD-V          | HD                 | HD-V | WLC-V              | WLC-V          |
|------------------|-----------------------|--------------------|----------------|--------------------|----------------|--------------------|---------------|--------------------|------|--------------------|----------------|
|                  |                       | mm / ft in         |                | mm / ft in         |                | mm / ft in         |               | mm / ft in         |      | mm / ft in         | mm / ft in     |
| Transport length | 2.90 / 9' 6"          | 12,400 / 40'8"     |                | 13,100 / 43'       |                | -                  |               | -                  |      | -                  | -              |
|                  | 3.35 / 11'            | 12,400 / 40'8"     |                | 13,100 / 43'       |                | -                  |               | -                  |      | -                  | -              |
|                  | 3.90 / 12'10"         | 12,400 / 40'8"     |                | 13,100 / 43'       |                | -                  |               | -                  |      | -                  | -              |
|                  | 2.50 / 8' 2" ME       | -                  |                | -                  |                | 11,900 / 39'1"     |               | -                  |      | -                  | -              |
|                  | 2.90 / 9' 6" ME       | -                  |                | -                  |                | 11,900 / 39'1"     |               | -                  |      | -                  | -              |
|                  | 6.25 / 20' 6"         | -                  |                | -                  |                | -                  |               | 10,800 / 35' 5"    |      | -                  | -              |
|                  | 8.55 / 28' 1"         | -                  |                | -                  |                | -                  |               | -                  |      | -                  | 11,500 / 37'9" |
| Transport height | 2.90 / 9' 6"          | 3,800 / 12'6"      | 3,850 / 12' 8" | 3,850 / 12'8"      | 3,900 / 12'10" | -                  | -             | -                  | -    | -                  | -              |
|                  | 3.35 / 11'            | 3,750 / 12'4"      | 3,750 / 12' 4" | 3,800 / 12'6"      | 3,850 / 12' 8" | -                  | -             | -                  | -    | -                  | -              |
|                  | 3.90 / 12'10"         | 3,550 / 11'8"      | 3,640 / 11'11" | 3,650 / 12'        | 3,700 / 12' 2" | -                  | -             | -                  | -    | -                  | -              |
|                  | 2.50 / 8' 2" ME       | -                  | -              | -                  | -              | 4,000 / 13'1"      | 4,050 / 13'3" | -                  | -    | -                  | -              |
|                  | 2.90 / 9' 6" ME       | -                  | -              | -                  | -              | 4,150 / 13'7"      | 4,200 / 13'9" | -                  | -    | -                  | -              |
|                  | 6.25 / 20' 6"         | -                  | -              | -                  | -              | -                  | -             | 3,620 / 11'11"     |      | -                  | -              |
|                  | 8.55 / 28' 1"         | -                  | -              | -                  | -              | -                  | -             | -                  |      | -                  | 3,650 / 12'    |
| Bucket           |                       | 3.00 m³ / 3.92 yd³ |                | 2.30 m³ / 3.01 yd³ |                | 3.70 m³ / 4.84 yd³ |               | 1.75 m³ / 2.29 yd³ |      | 1.25 m³ / 1.63 yd³ |                |

# Backhoe bucket

with mono boom 6.95 m / 22'10"



## Digging envelope

| without quick coupler        |           | 1              | 2              | 3              |
|------------------------------|-----------|----------------|----------------|----------------|
| Stick length                 | m / ft in | 2.90 / 9' 6"   | 3.35 / 11'     | 3.90 / 12'10"  |
| A Max. reach at ground level | m / ft in | 11.42 / 37' 6" | 11.85 / 38'11" | 12.25 / 40' 2" |
| B Max. digging depth         | m / ft in | 7.34 / 24' 1"  | 7.79 / 25' 7"  | 8.34 / 27' 4"  |
| C Min. dumping height        | m / ft in | 3.31 / 10'10"  | 2.86 / 9' 5"   | 2.31 / 7' 7"   |
| D Max. dumping height        | m / ft in | 7.43 / 24' 5"  | 7.62 / 25'     | 7.53 / 24' 8"  |
| E Max. cutting height        | m / ft in | 10.82 / 35' 6" | 11.01 / 36' 1" | 10.81 / 35' 6" |

## Forces

| without quick coupler            |          | 1            | 2            | 3            |
|----------------------------------|----------|--------------|--------------|--------------|
| Stick digging force (ISO 6015)   | kN / lbf | 243 / 54,630 | 221 / 49,680 | 199 / 44,740 |
| Bucket digging force (ISO 6015)  | kN / lbf | 298 / 66,990 | 298 / 66,990 | 298 / 66,990 |
| Stick digging force (SAE J1179)  | kN / lbf | 238 / 53,510 | 217 / 48,780 | 197 / 44,290 |
| Bucket digging force (SAE J1179) | kN / lbf | 260 / 58,450 | 260 / 58,450 | 260 / 58,450 |

## Operating weight and ground pressure

The operating weight includes the basic machine with counterweight 9.4 t / 20,720 lb, mono boom 6.95 m / 22'10", stick 2.90 m / 9'6" and HD backhoe bucket 3.00 m³ / 3.92 yd³ (2,650 kg / 5,840 lb).

| Undercarriage   |              | HD               |                  |                  |
|-----------------|--------------|------------------|------------------|------------------|
| Pad width       | mm / in      | 600 / 24"        | 750 / 30"        | 900 / 35"        |
| Weight          | kg / lb      | 51,110 / 112,680 | 51,920 / 114,460 | 52,790 / 116,380 |
| Ground pressure | kg/cm² / psi | 0.87 / 12.4      | 0.71 / 10.1      | 0.60 / 8.5       |

| Undercarriage   |              | HD-V             |                  |                  |
|-----------------|--------------|------------------|------------------|------------------|
| Pad width       | mm / in      | 600 / 24"        | 750 / 30"        | 900 / 35"        |
| Weight          | kg / lb      | 53,670 / 118,320 | 54,480 / 120,110 | 55,350 / 122,030 |
| Ground pressure | kg/cm² / psi | 0.92 / 13.1      | 0.75 / 10.7      | 0.63 / 9.0       |

The operating weight includes the basic machine with counterweight 10.9 t / 24,030 lb, mono boom 6.95 m / 22'10", stick 2.90 m / 9'6" and HD backhoe bucket 3.00 m³ / 3.92 yd³ (2,650 kg / 5,840 lb).

| Undercarriage   |              | HD               |                  |                  |
|-----------------|--------------|------------------|------------------|------------------|
| Pad width       | mm / in      | 600 / 24"        | 750 / 30"        | 900 / 35"        |
| Weight          | kg / lb      | 52,610 / 115,990 | 53,420 / 117,770 | 54,290 / 119,690 |
| Ground pressure | kg/cm² / psi | 0.89 / 12.7      | 0.73 / 10.4      | 0.62 / 8.8       |

| Undercarriage   |              | HD-V             |                  |                  |
|-----------------|--------------|------------------|------------------|------------------|
| Pad width       | mm / in      | 600 / 24"        | 750 / 30"        | 900 / 35"        |
| Weight          | kg / lb      | 55,170 / 121,630 | 55,980 / 123,420 | 56,850 / 125,330 |
| Ground pressure | kg/cm² / psi | 0.94 / 13.4      | 0.77 / 11.0      | 0.65 / 9.2       |

## Backhoe bucket Machine stability per ISO 10567\* (75 % of tipping capacity)

|                                      | Cutting<br>width<br>mm<br>ft in | Capacity<br>ISO 7451<br>m³<br>yd³ | Weight<br>kg<br>lb | HD undercarriage<br>(with track pads 600 mm / 24") |             |                | HD-V undercarriage<br>(with track pads 600 mm / 24") |             |                |   |
|--------------------------------------|---------------------------------|-----------------------------------|--------------------|----------------------------------------------------|-------------|----------------|------------------------------------------------------|-------------|----------------|---|
|                                      |                                 |                                   |                    | Stick length (m / ft in)                           |             |                | Stick length (m / ft in)                             |             |                |   |
|                                      |                                 |                                   |                    | 2.90<br>9'6"                                       | 3.35<br>11' | 3.90<br>12'10" | 2.90<br>9'6"                                         | 3.35<br>11' | 3.90<br>12'10" |   |
| with counterweight 9.4t / 20,720 lb  |                                 |                                   |                    |                                                    |             |                |                                                      |             |                |   |
| HDP <sup>1)</sup>                    | 1,500<br>4'11"                  | 2.00<br>2.62                      | 2,050<br>4,520     | ▲                                                  | ▲           | ▲              | ▲                                                    | ▲           | ▲              |   |
|                                      | 1,700<br>5'7"                   | 2.30<br>3.01                      | 2,250<br>4,960     | ▲                                                  | ▲           | ▲              | ▲                                                    | ▲           | ▲              |   |
|                                      | 1,700<br>5'7"                   | 2.50<br>3.27                      | 2,400<br>5,290     | ▲                                                  | ▲           | ▲              | ▲                                                    | ▲           | ▲              |   |
|                                      | 1,950<br>6'5"                   | 2.70<br>3.53                      | 2,450<br>5,400     | ▲                                                  | ▲           | ▲              | ▲                                                    | ▲           | ▲              |   |
|                                      | 1,950<br>6'5"                   | 3.00<br>3.92                      | 2,650<br>5,840     | ▲                                                  | ▲           | ▲              | ▲                                                    | ▲           | ■              |   |
|                                      | 1,950<br>6'5"                   | 3.25<br>4.25                      | 2,750<br>6,060     | ▲                                                  | ▲           | ■              | ▲                                                    | ■           | ▲              |   |
|                                      | 1,950<br>6'5"                   | 3.50<br>4.58                      | 2,850<br>6,280     | ■                                                  | ▲           | ■              | ■                                                    | ▲           | ■              |   |
|                                      | 2,150<br>7'1"                   | 3.70<br>4.84                      | 2,950<br>6,500     | ▲                                                  | ■           | ■              | ▲                                                    | ■           | ■              |   |
|                                      | HDP <sup>2)</sup>               | 1,700<br>5'7"                     | 2.30<br>3.01       | 2,600<br>5,730                                     | ▲           | ▲              | ▲                                                    | ▲           | ▲              | ▲ |
|                                      |                                 | 1,700<br>5'7"                     | 2.50<br>3.27       | 2,750<br>6,060                                     | ▲           | ▲              | ▲                                                    | ▲           | ▲              | ▲ |
| 1,950<br>6'5"                        |                                 | 2.70<br>3.53                      | 2,800<br>6,170     | ▲                                                  | ▲           | ■              | ▲                                                    | ▲           | ▲              |   |
| 1,950<br>6'5"                        |                                 | 3.00<br>3.92                      | 2,950<br>6,500     | ▲                                                  | ■           | ▲              | ▲                                                    | ▲           | ■              |   |
| 1,950<br>6'5"                        |                                 | 3.25<br>4.25                      | 3,020<br>6,660     | ■                                                  | ▲           | ■              | ▲                                                    | ■           | ▲              |   |
| 1,950<br>6'5"                        |                                 | 3.50<br>4.58                      | 3,130<br>6,900     | ▲                                                  | ■           | ■              | ■                                                    | ▲           | ■              |   |
| 2,150<br>7'1"                        |                                 | 3.70<br>4.84                      | 3,230<br>7,120     | ▲                                                  | ■           | ■              | ▲                                                    | ■           | ■              |   |
| with counterweight 10.9t / 24,030 lb |                                 |                                   |                    |                                                    |             |                |                                                      |             |                |   |
| HDP <sup>1)</sup>                    |                                 | 1,500<br>4'11"                    | 2.00<br>2.62       | 2,050<br>4,520                                     | ▲           | ▲              | ▲                                                    | ▲           | ▲              | ▲ |
|                                      |                                 | 1,700<br>5'7"                     | 2.30<br>3.01       | 2,250<br>4,960                                     | ▲           | ▲              | ▲                                                    | ▲           | ▲              | ▲ |
|                                      | 1,700<br>5'7"                   | 2.50<br>3.27                      | 2,400<br>5,290     | ▲                                                  | ▲           | ▲              | ▲                                                    | ▲           | ▲              |   |
|                                      | 1,950<br>6'5"                   | 2.70<br>3.53                      | 2,450<br>5,400     | ▲                                                  | ▲           | ▲              | ▲                                                    | ▲           | ▲              |   |
|                                      | 1,950<br>6'5"                   | 3.00<br>3.92                      | 2,650<br>5,840     | ▲                                                  | ▲           | ▲              | ▲                                                    | ▲           | ▲              |   |
|                                      | 1,950<br>6'5"                   | 3.25<br>4.25                      | 2,750<br>6,060     | ▲                                                  | ▲           | ■              | ▲                                                    | ▲           | ■              |   |
|                                      | 1,950<br>6'5"                   | 3.50<br>4.58                      | 2,850<br>6,280     | ▲                                                  | ■           | ▲              | ▲                                                    | ▲           | ▲              |   |
|                                      | 2,150<br>7'1"                   | 3.70<br>4.84                      | 2,950<br>6,500     | ■                                                  | ▲           | ■              | ▲                                                    | ■           | ▲              |   |
|                                      | HDP <sup>2)</sup>               | 1,700<br>5'7"                     | 2.30<br>3.01       | 2,600<br>5,730                                     | ▲           | ▲              | ▲                                                    | ▲           | ▲              | ▲ |
|                                      |                                 | 1,700<br>5'7"                     | 2.50<br>3.27       | 2,750<br>6,060                                     | ▲           | ▲              | ▲                                                    | ▲           | ▲              | ▲ |
| 1,950<br>6'5"                        |                                 | 2.70<br>3.53                      | 2,800<br>6,170     | ▲                                                  | ▲           | ▲              | ▲                                                    | ▲           | ▲              |   |
| 1,950<br>6'5"                        |                                 | 3.00<br>3.92                      | 2,950<br>6,500     | ▲                                                  | ▲           | ■              | ▲                                                    | ▲           | ▲              |   |
| 1,950<br>6'5"                        |                                 | 3.25<br>4.25                      | 3,020<br>6,660     | ▲                                                  | ■           | ▲              | ▲                                                    | ▲           | ■              |   |
| 1,950<br>6'5"                        |                                 | 3.50<br>4.58                      | 3,130<br>6,900     | ▲                                                  | ▲           | ▲              | ▲                                                    | ■           | ▲              |   |
| 2,150<br>7'1"                        |                                 | 3.70<br>4.84                      | 3,230<br>7,120     | ■                                                  | ▲           | ■              | ▲                                                    | ▲           | ■              |   |

\* indicated loads are based on ISO 10567, at maximum reach, and may be swung 360° on firm and even ground

<sup>1)</sup> HD backhoe bucket with Liebherr teeth Z 70

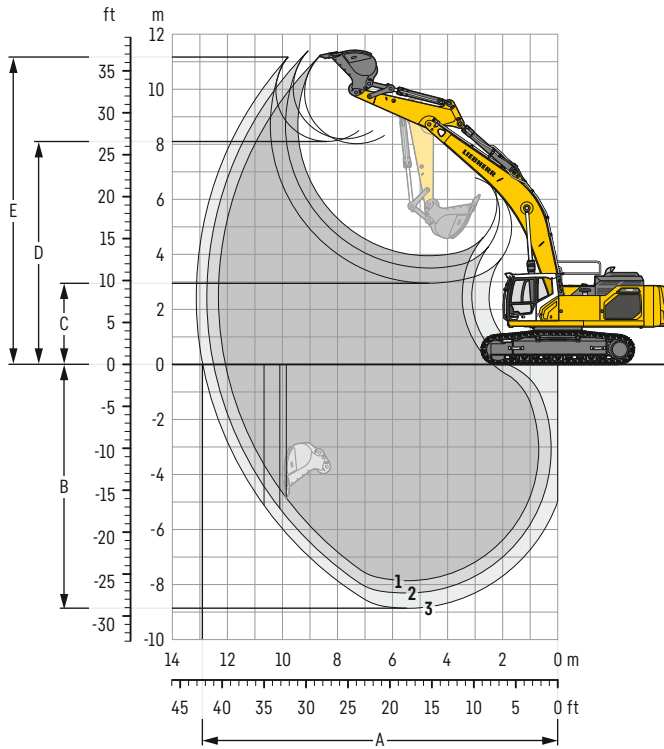
<sup>2)</sup> HVR backhoe bucket with Liebherr teeth Z 70

Other backhoe buckets available upon request

Max. material weight ▲ = ≤ 2.0 t/m³ / 3,400 lb/yd³, ■ = ≤ 1.8 t/m³ / 3,000 lb/yd³, ▲ = ≤ 1.65 t/m³ / 2,800 lb/yd³, ■ = ≤ 1.5 t/m³ / 2,500 lb/yd³

# Backhoe bucket

with mono boom 7.70 m / 25'3"



## Digging envelope

| without quick coupler        |           | 1             | 2              | 3              |
|------------------------------|-----------|---------------|----------------|----------------|
| Stick length                 | m / ft in | 2.90 / 9'6"   | 3.35 / 11'     | 3.90 / 12'10"  |
| A Max. reach at ground level | m / ft in | 12.07 / 39'7" | 12.50 / 41'    | 12.90 / 42' 4" |
| B Max. digging depth         | m / ft in | 7.86 / 25'9"  | 8.31 / 27' 3"  | 8.86 / 29' 1"  |
| C Min. dumping height        | m / ft in | 3.95 / 13'    | 3.50 / 11' 6"  | 2.95 / 9' 8"   |
| D Max. dumping height        | m / ft in | 8.01 / 26'3"  | 8.19 / 26'10"  | 8.09 / 26' 7"  |
| E Max. cutting height        | m / ft in | 11.20 / 36'9" | 11.39 / 37' 4" | 11.17 / 36' 8" |

## Forces

| without quick coupler            |          | 1            | 2            | 3            |
|----------------------------------|----------|--------------|--------------|--------------|
| Stick digging force (ISO 6015)   | kN / lbf | 243 / 54,630 | 221 / 49,680 | 199 / 44,740 |
| Bucket digging force (ISO 6015)  | kN / lbf | 298 / 66,990 | 298 / 66,990 | 298 / 66,990 |
| Stick digging force (SAE J1179)  | kN / lbf | 238 / 53,510 | 217 / 48,780 | 197 / 44,290 |
| Bucket digging force (SAE J1179) | kN / lbf | 260 / 58,450 | 260 / 58,450 | 260 / 58,450 |

## Operating weight and ground pressure

The operating weight includes the basic machine with counterweight 9.4 t / 20,720 lb, mono boom 7.70 m / 25'3", stick 3.90 m / 12'10" and HD backhoe bucket 2.30 m³ / 3.01 yd³ (2,250 kg / 4,960 lb).

| Undercarriage   |              | HD               |                  |                  |
|-----------------|--------------|------------------|------------------|------------------|
| Pad width       | mm / in      | 600 / 24"        | 750 / 30"        | 900 / 35"        |
| Weight          | kg / lb      | 51,860 / 114,330 | 52,670 / 116,120 | 53,540 / 118,040 |
| Ground pressure | kg/cm² / psi | 0.89 / 12.7      | 0.72 / 10.2      | 0.61 / 8.7       |

| Undercarriage   |              | HD-V             |                  |                  |
|-----------------|--------------|------------------|------------------|------------------|
| Pad width       | mm / in      | 600 / 24"        | 750 / 30"        | 900 / 35"        |
| Weight          | kg / lb      | 54,420 / 119,980 | 55,230 / 121,760 | 56,100 / 123,680 |
| Ground pressure | kg/cm² / psi | 0.93 / 13.2      | 0.76 / 10.8      | 0.64 / 9.1       |

The operating weight includes the basic machine with counterweight 10.9 t / 24,030 lb, mono boom 7.70 m / 25'3", stick 3.90 m / 12'10" and HD backhoe bucket 2.30 m³ / 3.01 yd³ (2,250 kg / 4,960 lb).

| Undercarriage   |              | HD               |                  |                  |
|-----------------|--------------|------------------|------------------|------------------|
| Pad width       | mm / in      | 600 / 24"        | 750 / 30"        | 900 / 35"        |
| Weight          | kg / lb      | 53,360 / 117,640 | 54,170 / 119,420 | 55,040 / 121,340 |
| Ground pressure | kg/cm² / psi | 0.91 / 12.9      | 0.74 / 10.5      | 0.63 / 9.0       |

| Undercarriage   |              | HD-V             |                  |                  |
|-----------------|--------------|------------------|------------------|------------------|
| Pad width       | mm / in      | 600 / 24"        | 750 / 30"        | 900 / 35"        |
| Weight          | kg / lb      | 55,920 / 123,280 | 56,730 / 125,070 | 57,600 / 126,990 |
| Ground pressure | kg/cm² / psi | 0.95 / 13.5      | 0.78 / 11.1      | 0.66 / 9.4       |

## Backhoe bucket Machine stability per ISO 10567\* (75 % of tipping capacity)

|                                      | Cutting<br>width<br>mm<br>ft in | Capacity<br>ISO 7451<br>m³<br>yd³ | Weight<br>kg<br>lb | HD undercarriage<br>(with track pads 600 mm / 24") |             |                | HD-V undercarriage<br>(with track pads 600 mm / 24") |             |                |   |
|--------------------------------------|---------------------------------|-----------------------------------|--------------------|----------------------------------------------------|-------------|----------------|------------------------------------------------------|-------------|----------------|---|
|                                      |                                 |                                   |                    | Stick length (m / ft in)                           |             |                | Stick length (m / ft in)                             |             |                |   |
|                                      |                                 |                                   |                    | 2.90<br>9'6"                                       | 3.35<br>11' | 3.90<br>12'10" | 2.90<br>9'6"                                         | 3.35<br>11' | 3.90<br>12'10" |   |
| with counterweight 9.4t / 20,720 lb  |                                 |                                   |                    |                                                    |             |                |                                                      |             |                |   |
| HDP <sup>1)</sup>                    | 1,500<br>4'11"                  | 2.00<br>2.62                      | 2,050<br>4,520     | ▲                                                  | ▲           | ▲              | ▲                                                    | ▲           | ▲              |   |
|                                      | 1,700<br>5'7"                   | 2.30<br>3.01                      | 2,250<br>4,960     | ▲                                                  | ▲           | ▲              | ▲                                                    | ▲           | ▲              |   |
|                                      | 1,700<br>5'7"                   | 2.50<br>3.27                      | 2,400<br>5,290     | ▲                                                  | ▲           | ▲              | ▲                                                    | ▲           | ▲              |   |
|                                      | 1,950<br>6'5"                   | 2.70<br>3.53                      | 2,450<br>5,400     | ▲                                                  | ■           | ▲              | ▲                                                    | ▲           | ■              |   |
|                                      | 1,950<br>6'5"                   | 3.00<br>3.92                      | 2,650<br>5,840     | ▲                                                  | ■           | ■              | ■                                                    | ▲           | ■              |   |
|                                      | 1,950<br>6'5"                   | 3.25<br>4.25                      | 2,750<br>6,060     | ■                                                  | ■           | △              | ▲                                                    | ■           | ■              |   |
|                                      | 1,950<br>6'5"                   | 3.50<br>4.58                      | 2,850<br>6,280     | ■                                                  | ■           | —              | ■                                                    | ■           | △              |   |
|                                      | 2,150<br>7'1"                   | 3.70<br>4.84                      | 2,950<br>6,500     | ■                                                  | —           | —              | ■                                                    | ■           | —              |   |
|                                      | HDP <sup>2)</sup>               | 1,700<br>5'7"                     | 2.30<br>3.01       | 2,600<br>5,730                                     | ▲           | ▲              | ■                                                    | ▲           | ▲              | ▲ |
|                                      |                                 | 1,700<br>5'7"                     | 2.50<br>3.27       | 2,750<br>6,060                                     | ▲           | ■              | ▲                                                    | ▲           | ▲              | ■ |
| 1,950<br>6'5"                        |                                 | 2.70<br>3.53                      | 2,800<br>6,170     | ■                                                  | ▲           | ■              | ▲                                                    | ■           | ▲              |   |
| 1,950<br>6'5"                        |                                 | 3.00<br>3.92                      | 2,950<br>6,500     | ▲                                                  | ■           | ■              | ■                                                    | ■           | ■              |   |
| 1,950<br>6'5"                        |                                 | 3.25<br>4.25                      | 3,020<br>6,660     | ■                                                  | ■           | —              | ▲                                                    | ■           | ■              |   |
| 1,950<br>6'5"                        |                                 | 3.50<br>4.58                      | 3,130<br>6,900     | ■                                                  | △           | —              | ■                                                    | ■           | —              |   |
| 2,150<br>7'1"                        |                                 | 3.70<br>4.84                      | 3,230<br>7,120     | ■                                                  | —           | —              | ■                                                    | △           | —              |   |
| with counterweight 10.9t / 24,030 lb |                                 |                                   |                    |                                                    |             |                |                                                      |             |                |   |
| HDP <sup>1)</sup>                    |                                 | 1,500<br>4'11"                    | 2.00<br>2.62       | 2,050<br>4,520                                     | ▲           | ▲              | ▲                                                    | ▲           | ▲              | ▲ |
|                                      |                                 | 1,700<br>5'7"                     | 2.30<br>3.01       | 2,250<br>4,960                                     | ▲           | ▲              | ▲                                                    | ▲           | ▲              | ▲ |
|                                      | 1,700<br>5'7"                   | 2.50<br>3.27                      | 2,400<br>5,290     | ▲                                                  | ▲           | ▲              | ▲                                                    | ▲           | ▲              |   |
|                                      | 1,950<br>6'5"                   | 2.70<br>3.53                      | 2,450<br>5,400     | ▲                                                  | ▲           | ■              | ▲                                                    | ▲           | ▲              |   |
|                                      | 1,950<br>6'5"                   | 3.00<br>3.92                      | 2,650<br>5,840     | ▲                                                  | ■           | ▲              | ▲                                                    | ▲           | ▲              |   |
|                                      | 1,950<br>6'5"                   | 3.25<br>4.25                      | 2,750<br>6,060     | ■                                                  | ▲           | ■              | ■                                                    | ▲           | ■              |   |
|                                      | 1,950<br>6'5"                   | 3.50<br>4.58                      | 2,850<br>6,280     | ▲                                                  | ■           | ■              | ▲                                                    | ▲           | ■              |   |
|                                      | 2,150<br>7'1"                   | 3.70<br>4.84                      | 2,950<br>6,500     | ■                                                  | ■           | △              | ▲                                                    | ■           | ■              |   |
|                                      | HDP <sup>2)</sup>               | 1,700<br>5'7"                     | 2.30<br>3.01       | 2,600<br>5,730                                     | ▲           | ▲              | ▲                                                    | ▲           | ▲              | ▲ |
|                                      |                                 | 1,700<br>5'7"                     | 2.50<br>3.27       | 2,750<br>6,060                                     | ▲           | ▲              | ▲                                                    | ▲           | ▲              | ▲ |
| 1,950<br>6'5"                        |                                 | 2.70<br>3.53                      | 2,800<br>6,170     | ▲                                                  | ▲           | ■              | ▲                                                    | ▲           | ■              |   |
| 1,950<br>6'5"                        |                                 | 3.00<br>3.92                      | 2,950<br>6,500     | ■                                                  | ▲           | ■              | ▲                                                    | ■           | ▲              |   |
| 1,950<br>6'5"                        |                                 | 3.25<br>4.25                      | 3,020<br>6,660     | ▲                                                  | ■           | ■              | ■                                                    | ▲           | ■              |   |
| 1,950<br>6'5"                        |                                 | 3.50<br>4.58                      | 3,130<br>6,900     | ▲                                                  | ■           | ■              | ▲                                                    | ■           | ■              |   |
| 2,150<br>7'1"                        |                                 | 3.70<br>4.84                      | 3,230<br>7,120     | ■                                                  | ■           | —              | ■                                                    | ■           | ■              |   |

\* indicated loads are based on ISO 10567, at maximum reach, and may be swung 360° on firm and even ground

<sup>1)</sup> HD backhoe bucket with Liebherr teeth Z 70

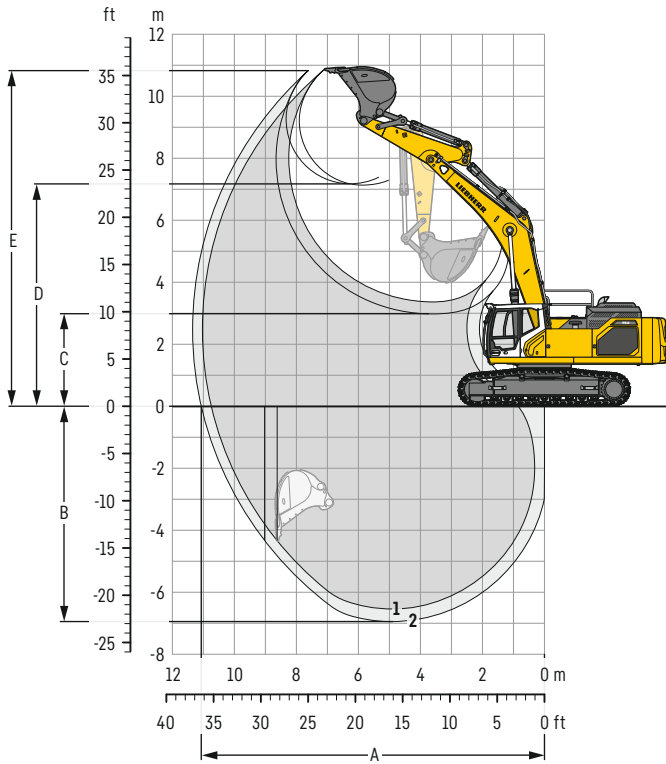
<sup>2)</sup> HVR backhoe bucket with Liebherr teeth Z 70

Other backhoe buckets available upon request

Max. material weight ▲ = ≤ 2.0 t/m³ / 3,400 lb/yd³, ■ = ≤ 1.8 t/m³ / 3,000 lb/yd³, ▲ = ≤ 1.6 t/m³ / 2,800 lb/yd³, ■ = ≤ 1.5 t/m³ / 2,500 lb/yd³, △ = ≤ 1.2 t/m³ / 2,000 lb/yd³, — = not authorized

# Backhoe bucket

with mono boom ME 6.50 m / 21'4"



## Digging envelope

| without quick coupler        |           | 1             | 2             |
|------------------------------|-----------|---------------|---------------|
| Stick length                 | m / ft in | 2.50 / 8'2"   | 2.90 / 9'6"   |
|                              |           | ME            | ME            |
| A Max. reach at ground level | m / ft in | 10.74 / 35'3" | 11.07 / 36'4" |
| B Max. digging depth         | m / ft in | 6.54 / 21'5"  | 6.94 / 22'9"  |
| C Min. dumping height        | m / ft in | 3.37 / 11'1"  | 2.97 / 9'9"   |
| D Max. dumping height        | m / ft in | 7.13 / 23'5"  | 7.17 / 23'6"  |
| E Max. cutting height        | m / ft in | 10.86 / 35'8" | 10.82 / 35'6" |

## Forces

| without quick coupler            |          | 1            | 2            |
|----------------------------------|----------|--------------|--------------|
| Stick digging force (ISO 6015)   | kN / lbf | 261 / 58,680 | 239 / 53,730 |
| Bucket digging force (ISO 6015)  | kN / lbf | 323 / 72,610 | 323 / 72,610 |
| Stick digging force (SAE J1179)  | kN / lbf | 255 / 57,330 | 234 / 52,610 |
| Bucket digging force (SAE J1179) | kN / lbf | 284 / 63,850 | 284 / 63,850 |

## Operating weight and ground pressure

The operating weight includes the basic machine with counterweight 9.4 t / 20,720 lb, mono boom ME 6.50 m / 21'4", stick ME 2.50 m / 8'2" and HDR backhoe bucket 3.70 m³ / 4.84 yd³ (3,280 kg / 7,230 lb).

| Undercarriage   |              | HD               |                  |                  |
|-----------------|--------------|------------------|------------------|------------------|
| Pad width       | mm / in      | 600 / 24"        | 750 / 30"        | 900 / 35"        |
| Weight          | kg / lb      | 51,800 / 114,200 | 52,610 / 115,990 | 53,480 / 117,900 |
| Ground pressure | kg/cm² / psi | 0.89 / 12.7      | 0.72 / 10.2      | 0.61 / 8.7       |

| Undercarriage   |              | HD-V             |                  |                  |
|-----------------|--------------|------------------|------------------|------------------|
| Pad width       | mm / in      | 600 / 24"        | 750 / 30"        | 900 / 35"        |
| Weight          | kg / lb      | 54,360 / 119,840 | 55,170 / 121,630 | 56,040 / 123,550 |
| Ground pressure | kg/cm² / psi | 0.93 / 13.2      | 0.75 / 10.7      | 0.64 / 9.1       |

The operating weight includes the basic machine with counterweight 10.9 t / 24,030 lb, mono boom ME 6.50 m / 21'4", stick ME 2.50 m / 8'2" and HDR backhoe bucket 3.70 m³ / 4.84 yd³ (3,280 kg / 7,230 lb).

| Undercarriage   |              | HD               |                  |                  |
|-----------------|--------------|------------------|------------------|------------------|
| Pad width       | mm / in      | 600 / 24"        | 750 / 30"        | 900 / 35"        |
| Weight          | kg / lb      | 53,300 / 117,510 | 54,110 / 119,290 | 54,980 / 121,210 |
| Ground pressure | kg/cm² / psi | 0.91 / 12.9      | 0.74 / 10.5      | 0.63 / 9.0       |

| Undercarriage   |              | HD-V             |                  |                  |
|-----------------|--------------|------------------|------------------|------------------|
| Pad width       | mm / in      | 600 / 24"        | 750 / 30"        | 900 / 35"        |
| Weight          | kg / lb      | 55,860 / 123,150 | 56,670 / 124,940 | 57,540 / 126,850 |
| Ground pressure | kg/cm² / psi | 0.95 / 13.5      | 0.77 / 11.0      | 0.66 / 9.4       |

## Backhoe bucket Machine stability per ISO 10567\* (75 % of tipping capacity)

|                                      | Cutting<br>width<br>mm<br>ft in | Capacity<br>ISO 7451<br>m³<br>yd³ | Weight<br>kg<br>lb | HD undercarriage<br>(with track pads 600 mm / 24") |              | HD-V undercarriage<br>(with track pads 600 mm / 24") |              |   |
|--------------------------------------|---------------------------------|-----------------------------------|--------------------|----------------------------------------------------|--------------|------------------------------------------------------|--------------|---|
|                                      |                                 |                                   |                    | Stick length (m / ft in)                           |              | Stick length (m / ft in)                             |              |   |
|                                      |                                 |                                   |                    | 2.50<br>8'2"                                       | 2.90<br>9'6" | 2.50<br>8'2"                                         | 2.90<br>9'6" |   |
| with counterweight 9.4t / 20,720 lb  |                                 |                                   |                    |                                                    |              |                                                      |              |   |
| HDR <sup>1)</sup>                    | 1,700<br>5'7"                   | 2.30<br>3.01                      | 2,600<br>5,730     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
|                                      | 1,700<br>5'7"                   | 2.50<br>3.27                      | 2,750<br>6,060     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
|                                      | 1,950<br>6'5"                   | 2.70<br>3.53                      | 2,800<br>6,170     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
|                                      | 1,950<br>6'5"                   | 3.00<br>3.92                      | 3,000<br>6,610     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
|                                      | 1,950<br>6'5"                   | 3.25<br>4.25                      | 3,070<br>6,770     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
|                                      | 1,950<br>6'5"                   | 3.50<br>4.58                      | 3,180<br>7,010     | ▲                                                  | ■            | ▲                                                    | ▲            |   |
|                                      | 2,150<br>7'1"                   | 3.50<br>4.58                      | 3,180<br>7,010     | ▲                                                  | ■            | ▲                                                    | ▲            |   |
|                                      | 2,150<br>7'1"                   | 3.70<br>4.84                      | 3,280<br>7,230     | ■                                                  | ▲            | ▲                                                    | ■            |   |
|                                      | HDV <sup>2)</sup>               | 1,700<br>5'7"                     | 2.30<br>3.01       | 2,800<br>6,170                                     | ▲            | ▲                                                    | ▲            | ▲ |
|                                      |                                 | 1,700<br>5'7"                     | 2.50<br>3.27       | 3,050<br>6,720                                     | ▲            | ▲                                                    | ▲            | ▲ |
| 1,950<br>6'5"                        |                                 | 2.70<br>3.53                      | 3,100<br>6,830     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
| 1,950<br>6'5"                        |                                 | 3.00<br>3.92                      | 3,300<br>7,280     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
| 1,950<br>6'5"                        |                                 | 3.25<br>4.25                      | 3,400<br>7,500     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
| 1,950<br>6'5"                        |                                 | 3.50<br>4.58                      | 3,550<br>7,830     | ▲                                                  | ■            | ▲                                                    | ■            |   |
| 2,150<br>7'1"                        |                                 | 3.50<br>4.58                      | 3,550<br>7,830     | ▲                                                  | ■            | ▲                                                    | ■            |   |
| 2,150<br>7'1"                        |                                 | 3.70<br>4.84                      | 3,600<br>7,940     | ■                                                  | ▲            | ▲                                                    | ■            |   |
| with counterweight 10.9t / 24,030 lb |                                 |                                   |                    |                                                    |              |                                                      |              |   |
| HDR <sup>1)</sup>                    |                                 | 1,700<br>5'7"                     | 2.30<br>3.01       | 2,600<br>5,730                                     | ▲            | ▲                                                    | ▲            | ▲ |
|                                      | 1,700<br>5'7"                   | 2.50<br>3.27                      | 2,750<br>6,060     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
|                                      | 1,950<br>6'5"                   | 2.70<br>3.53                      | 2,800<br>6,170     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
|                                      | 1,950<br>6'5"                   | 3.00<br>3.92                      | 3,000<br>6,610     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
|                                      | 1,950<br>6'5"                   | 3.25<br>4.25                      | 3,070<br>6,770     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
|                                      | 1,950<br>6'5"                   | 3.50<br>4.58                      | 3,180<br>7,010     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
|                                      | 2,150<br>7'1"                   | 3.70<br>4.84                      | 3,280<br>7,230     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
|                                      | HDV <sup>2)</sup>               | 1,700<br>5'7"                     | 2.30<br>3.01       | 2,800<br>6,170                                     | ▲            | ▲                                                    | ▲            | ▲ |
|                                      |                                 | 1,700<br>5'7"                     | 2.50<br>3.27       | 3,050<br>6,720                                     | ▲            | ▲                                                    | ▲            | ▲ |
|                                      |                                 | 1,950<br>6'5"                     | 2.70<br>3.53       | 3,100<br>6,830                                     | ▲            | ▲                                                    | ▲            | ▲ |
| 1,950<br>6'5"                        |                                 | 3.00<br>3.92                      | 3,300<br>7,280     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
| 1,950<br>6'5"                        |                                 | 3.25<br>4.25                      | 3,400<br>7,500     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
| 1,950<br>6'5"                        |                                 | 3.50<br>4.58                      | 3,550<br>7,830     | ▲                                                  | ▲            | ▲                                                    | ▲            |   |
| 2,150<br>7'1"                        |                                 | 3.70<br>4.84                      | 3,600<br>7,940     | ▲                                                  | ■            | ▲                                                    | ▲            |   |

\* indicated loads are based on ISO 10567, at maximum reach, and may be swung 360° on firm and even ground

<sup>1)</sup> HDR backhoe bucket with Liebherr teeth Z 70

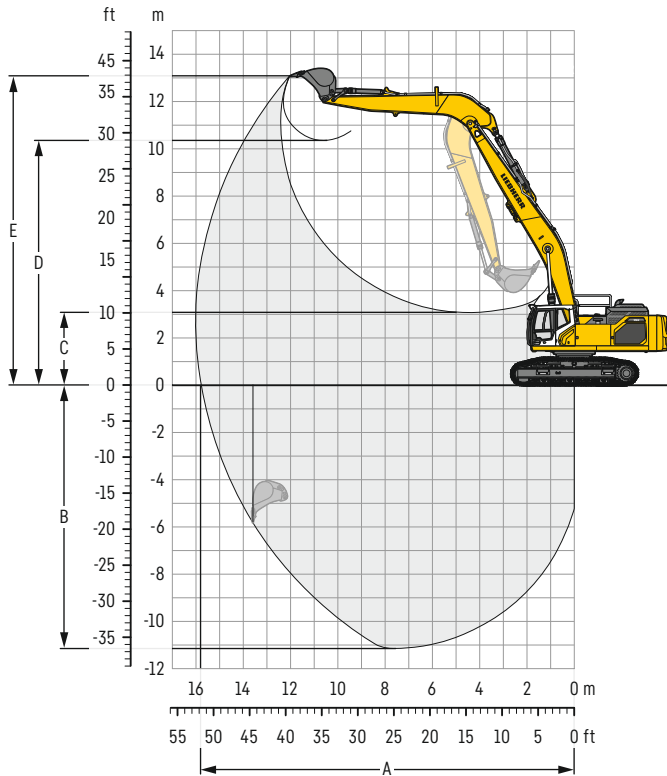
<sup>2)</sup> HDV backhoe bucket with Liebherr teeth Z 70

Other backhoe buckets available upon request

Max. material weight ▲ = ≤ 2.0 t/m³ / 3,400 lb/yd³, ■ = ≤ 1.8 t/m³ / 3,000 lb/yd³, ▲ = ≤ 1.65 t/m³ / 2,800 lb/yd³

# Backhoe bucket

with mono boom Multi-User 9.50 m / 31'2"



## Digging envelope

| without quick coupler        |           |                |  |
|------------------------------|-----------|----------------|--|
| Stick length                 | m / ft in | 6.25 / 20' 6"  |  |
| A Max. reach at ground level | m / ft in | 15.79 / 51'10" |  |
| B Max. digging depth         | m / ft in | 11.15 / 36' 7" |  |
| C Min. dumping height        | m / ft in | 3.06 / 10'     |  |
| D Max. dumping height        | m / ft in | 10.34 / 33'11" |  |
| E Max. cutting height        | m / ft in | 13.08 / 42'11" |  |

## Forces

| without quick coupler            |          |              |  |
|----------------------------------|----------|--------------|--|
| Stick digging force (ISO 6015)   | kN / lbf | 147 / 33,050 |  |
| Bucket digging force (ISO 6015)  | kN / lbf | 190 / 42,710 |  |
| Stick digging force (SAE J1179)  | kN / lbf | 146 / 32,820 |  |
| Bucket digging force (SAE J1179) | kN / lbf | 166 / 37,320 |  |

## Operating weight and ground pressure

The operating weight includes the basic machine with counterweight 12.5t / 27,560 lb, mono boom Multi-User 9.50 m / 31'2", stick 6.25 m / 20'6" and backhoe bucket 1.75 m<sup>3</sup> / 2.29 yd<sup>3</sup> (1,280 kg / 2,820 lb).

| Undercarriage   |                          | WLC-V            |                  |                  |
|-----------------|--------------------------|------------------|------------------|------------------|
| Pad width       | mm / in                  | 600 / 24"        | 750 / 30"        | 900 / 35"        |
| Weight          | kg / lb                  | 56,000 / 123,460 | 57,260 / 126,240 | 58,130 / 128,160 |
| Ground pressure | kg/cm <sup>2</sup> / psi | 0.98 / 13.9      | 0.91 / 12.9      | 0.68 / 9.7       |

Standard backhoe bucket TL 05 type R 930 G8 sealed with Liebherr teeth Z 50 G2 / Z5 G3 for direct mounting and mounting to quick coupler SWA 66

|                                          |                                       |                                         |                                           |                                           |                                           |                                           |                                           |                                           |                                           |
|------------------------------------------|---------------------------------------|-----------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Cutting width                            | mm / ft in                            | 1,050 / 3'5"                            | 1,250 / 4'1"                              | 1,400 / 4'7"                              | 1,550 / 5'1"                              | 1,550 / 5'1"                              | 1,650 / 5'5"                              | 1,650 / 5'5"                              | 1,750 / 5'9"                              |
| Capacity                                 | m <sup>3</sup> / yd <sup>3</sup>      | 1.00 / 1.31                             | 1.25 / 1.63                               | 1.45 / 1.90                               | 1.60 / 2.09                               | 1.85 / 2.29                               | 1.75 / 2.42                               | 2.00 / 2.62                               | 2.15 / 2.81                               |
| Weight                                   | kg / lb                               | 870 <sup>1)</sup> / 1,920 <sup>1)</sup> | 990 <sup>1)</sup> / 2,180 <sup>1)</sup>   | 1,050 <sup>1)</sup> / 2,320 <sup>1)</sup> | 1,130 <sup>1)</sup> / 2,490 <sup>1)</sup> | 1,200 <sup>1)</sup> / 2,650 <sup>1)</sup> | 1,180 <sup>1)</sup> / 2,600 <sup>1)</sup> | 1,230 <sup>1)</sup> / 2,710 <sup>1)</sup> | 1,270 <sup>1)</sup> / 2,800 <sup>1)</sup> |
|                                          |                                       | 960 <sup>2)</sup> / 2,120 <sup>2)</sup> | 1,090 <sup>2)</sup> / 2,400 <sup>2)</sup> | 1,160 <sup>2)</sup> / 2,560 <sup>2)</sup> | 1,230 <sup>2)</sup> / 2,710 <sup>2)</sup> | 1,310 <sup>2)</sup> / 2,890 <sup>2)</sup> | 1,320 <sup>2)</sup> / 2,910 <sup>2)</sup> | 1,410 <sup>2)</sup> / 3,110 <sup>2)</sup> | 1,460 <sup>2)</sup> / 3,220 <sup>2)</sup> |
| Specific weight with WLC-V undercarriage | t/m <sup>3</sup> / lb/yd <sup>3</sup> | 2.2 / 3,700                             | 2.2 / 3,700                               | 2.2 / 3,700                               | 2.2 / 3,700                               | 2.2 / 3,700                               | 2.2 / 3,700                               | 2.2 / 3,700                               | 2.0 / 3,400                               |

HD backhoe bucket TL 05 type R 930 G8 sealed with Liebherr teeth Z 50 G2 / Z5 G3 for direct mounting and mounting to quick coupler SWA 66

|                                          |                                       |                                           |                                           |                                           |                                           |                                           |                                           |                                           |                                           |
|------------------------------------------|---------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Cutting width                            | mm / ft in                            | 1,050 / 3'5"                              | 1,250 / 4'1"                              | 1,400 / 4'7"                              | 1,550 / 5'1"                              | 1,550 / 5'1"                              | 1,650 / 5'5"                              | 1,650 / 5'5"                              | 1,750 / 5'9"                              |
| Capacity                                 | m <sup>3</sup> / yd <sup>3</sup>      | 1.00 / 1.31                               | 1.25 / 1.63                               | 1.45 / 1.90                               | 1.60 / 2.09                               | 1.85 / 2.29                               | 1.75 / 2.42                               | 2.00 / 2.62                               | 2.15 / 2.81                               |
| Weight                                   | kg / lb                               | 960 <sup>1)</sup> / 2,120 <sup>1)</sup>   | 1,020 <sup>1)</sup> / 2,250 <sup>1)</sup> | 1,140 <sup>1)</sup> / 2,510 <sup>1)</sup> | 1,200 <sup>1)</sup> / 2,650 <sup>1)</sup> | 1,280 <sup>1)</sup> / 2,820 <sup>1)</sup> | 1,350 <sup>1)</sup> / 2,980 <sup>1)</sup> | 1,330 <sup>1)</sup> / 2,930 <sup>1)</sup> | 1,380 <sup>1)</sup> / 3,040 <sup>1)</sup> |
|                                          |                                       | 1,120 <sup>2)</sup> / 2,470 <sup>2)</sup> | 1,270 <sup>2)</sup> / 2,800 <sup>2)</sup> | 1,360 <sup>2)</sup> / 3,000 <sup>2)</sup> | 1,450 <sup>2)</sup> / 3,200 <sup>2)</sup> | 1,520 <sup>2)</sup> / 3,350 <sup>2)</sup> | 1,560 <sup>2)</sup> / 3,440 <sup>2)</sup> | 1,640 <sup>2)</sup> / 3,620 <sup>2)</sup> | 1,700 <sup>2)</sup> / 3,750 <sup>2)</sup> |
| Specific weight with WLC-V undercarriage | t/m <sup>3</sup> / lb/yd <sup>3</sup> | 2.2 / 3,700                               | 2.2 / 3,700                               | 2.2 / 3,700                               | 2.2 / 3,700                               | 2.2 / 3,700                               | 2.2 / 3,700                               | 2.2 / 3,700                               | 2.0 / 3,400                               |

Ditch cleaning bucket GRL rigid 05 type R 930 G8 sealed for direct mounting and mounting to quick coupler SWA 66

|                                          |                                       |              |               |               |
|------------------------------------------|---------------------------------------|--------------|---------------|---------------|
| Cutting width                            | mm / ft in                            | 2,000 / 6'7" | 2,400 / 7'10" | 2,400 / 7'10" |
| Capacity                                 | m <sup>3</sup> / yd <sup>3</sup>      | 0.70 / 0.92  | 0.85 / 1.11   | 1.15 / 1.50   |
| Weight                                   | kg / lb                               | 550 / 1,210  | 639 / 1,410   | 718 / 1,580   |
| Specific weight with WLC-V undercarriage | t/m <sup>3</sup> / lb/yd <sup>3</sup> | 2.2 / 3,700  | 2.2 / 3,700   | 2.2 / 3,700   |

Ditch cleaning bucket tiltable GRL 100 type R 930 G8 sealed for direct mounting and mounting to quick coupler SWA 66

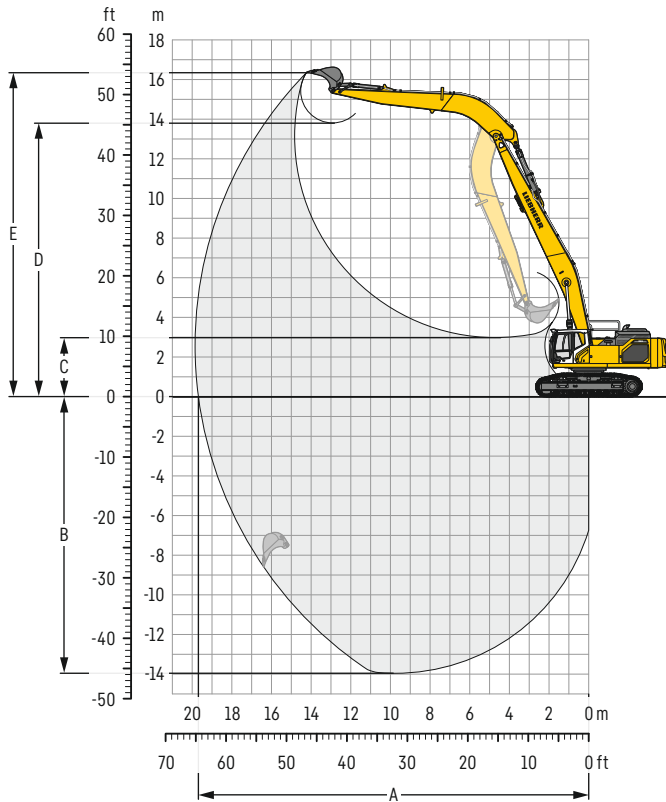
|                                          |                                       |               |               |               |               |               |               |
|------------------------------------------|---------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Cutting width                            | mm / ft in                            | 2,000 / 6'7"  | 2,000 / 6'7"  | 2,000 / 6'7"  | 2,200 / 7'3"  | 2,400 / 7'10" | 2,400 / 7'10" |
| Capacity                                 | m <sup>3</sup> / yd <sup>3</sup>      | 0.70 / 0.92   | 1.20 / 1.57   | 1.45 / 1.90   | 1.65 / 2.16   | 0.85 / 1.11   | 1.45 / 1.90   |
| Weight                                   | kg / lb                               | 1,375 / 3,030 | 1,520 / 3,350 | 1,600 / 3,530 | 1,675 / 3,690 | 1,480 / 3,260 | 1,625 / 3,580 |
| Specific weight with WLC-V undercarriage | t/m <sup>3</sup> / lb/yd <sup>3</sup> | 2.2 / 3,700   | 2.2 / 3,700   | 2.2 / 3,700   | 2.2 / 3,700   | 2.2 / 3,700   | 2.2 / 3,700   |

<sup>1)</sup> for direct mounting

<sup>2)</sup> for mounting to quick coupler SWA 66

# Backhoe bucket

with mono boom Multi-User 11.50 m / 37'9"



## Digging envelope

| without quick coupler        |           |                 |  |
|------------------------------|-----------|-----------------|--|
| Stick length                 | m / ft in | 8.55 / 28' 1"   |  |
| A Max. reach at ground level | m / ft in | 19.68 / 64' 7"  |  |
| B Max. digging depth         | m / ft in | 13.96 / 45' 10" |  |
| C Min. dumping height        | m / ft in | 2.98 / 9' 9"    |  |
| D Max. dumping height        | m / ft in | 13.81 / 45' 4"  |  |
| E Max. cutting height        | m / ft in | 16.35 / 53' 8"  |  |

## Forces

| without quick coupler            |          |              |  |
|----------------------------------|----------|--------------|--|
| Stick digging force (ISO 6015)   | kN / lbf | 114 / 25,630 |  |
| Bucket digging force (ISO 6015)  | kN / lbf | 173 / 38,890 |  |
| Stick digging force (SAE J1179)  | kN / lbf | 113 / 25,400 |  |
| Bucket digging force (SAE J1179) | kN / lbf | 151 / 33,950 |  |

## Operating weight and ground pressure

The operating weight includes the basic machine with counterweight 12.5 t / 27,560 lb, mono boom Multi-User 11.50 m / 37'9", stick 8.55 m / 28'1" and backhoe bucket 1.25 m<sup>3</sup> / 1.63 yd<sup>3</sup> (890 kg / 1,960 lb).

| Undercarriage   |                          | WLC-V            |                  |                  |
|-----------------|--------------------------|------------------|------------------|------------------|
| Pad width       | mm / in                  | 600 / 24"        | 750 / 30"        | 900 / 35"        |
| Weight          | kg / lb                  | 56,800 / 125,220 | 58,060 / 128,000 | 58,930 / 129,920 |
| Ground pressure | kg/cm <sup>2</sup> / psi | 1.00 / 14.2      | 0.82 / 11.7      | 0.69 / 9.8       |

Standard backhoe bucket TL 04-02 type R 924 G8 sealed with Liebherr teeth Z 40 G2 / Z4 G3 for direct mounting and mounting to quick coupler SWA 48

|                                          |                                       |                                         |                                         |                                         |                                         |                                         |                                         |                                         |
|------------------------------------------|---------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| Cutting width                            | mm / ft in                            | 650 / 2'2"                              | 850 / 2'9"                              | 1,050 / 3'5"                            | 1,250 / 4'1"                            | 1,400 / 4'7"                            | 1,500 / 4'11"                           | 1,600 / 5'3"                            |
| Capacity                                 | m <sup>3</sup> / yd <sup>3</sup>      | 0.55 / 0.72                             | 0.75 / 0.98                             | 0.95 / 1.24                             | 1.15 / 1.50                             | 1.35 / 1.77                             | 1.45 / 1.90                             | 1.55 / 2.03                             |
| Weight                                   | kg / lb                               | 545 <sup>1)</sup> / 1,200 <sup>1)</sup> | 630 <sup>1)</sup> / 1,390 <sup>1)</sup> | 720 <sup>1)</sup> / 1,590 <sup>1)</sup> | 815 <sup>1)</sup> / 1,800 <sup>1)</sup> | 875 <sup>1)</sup> / 1,930 <sup>1)</sup> | 890 <sup>1)</sup> / 1,960 <sup>1)</sup> | 945 <sup>1)</sup> / 2,080 <sup>1)</sup> |
|                                          |                                       | 595 <sup>2)</sup> / 1,310 <sup>2)</sup> | 680 <sup>2)</sup> / 1,500 <sup>2)</sup> | 770 <sup>2)</sup> / 1,700 <sup>2)</sup> | 865 <sup>2)</sup> / 1,910 <sup>2)</sup> | 925 <sup>2)</sup> / 2,040 <sup>2)</sup> | 940 <sup>2)</sup> / 2,070 <sup>2)</sup> | 995 <sup>2)</sup> / 2,190 <sup>2)</sup> |
| Specific weight with WLC-V undercarriage | t/m <sup>3</sup> / lb/yd <sup>3</sup> | 2.2 / 3,700                             | 2.2 / 3,700                             | 2.2 / 3,700                             | 2.2 / 3,700                             | 1.8 / 3,000                             | 1.8 / 3,000                             | 1.65 / 2,800                            |

HD backhoe bucket TL 04-02 type R 924 G8 sealed with Liebherr teeth Z 40 G2 / Z4 G3 for direct mounting and mounting to quick coupler SWA 48

|                                          |                                       |                                         |                                         |                                         |                                         |                                           |                                           |                                           |
|------------------------------------------|---------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Cutting width                            | mm / ft in                            | 650 / 2'2"                              | 850 / 2'9"                              | 1,050 / 3'5"                            | 1,250 / 4'1"                            | 1,400 / 4'7"                              | 1,500 / 4'11"                             | 1,600 / 5'3"                              |
| Capacity                                 | m <sup>3</sup> / yd <sup>3</sup>      | 0.55 / 0.72                             | 0.75 / 0.98                             | 0.95 / 1.24                             | 1.15 / 1.50                             | 1.35 / 1.77                               | 1.45 / 1.90                               | 1.55 / 2.03                               |
| Weight                                   | kg / lb                               | 645 <sup>1)</sup> / 1,420 <sup>1)</sup> | 730 <sup>1)</sup> / 1,610 <sup>1)</sup> | 820 <sup>1)</sup> / 1,810 <sup>1)</sup> | 915 <sup>1)</sup> / 2,020 <sup>1)</sup> | 975 <sup>1)</sup> / 2,150 <sup>1)</sup>   | 990 <sup>1)</sup> / 2,180 <sup>1)</sup>   | 1,045 <sup>1)</sup> / 2,300 <sup>1)</sup> |
|                                          |                                       | 695 <sup>2)</sup> / 1,530 <sup>2)</sup> | 780 <sup>2)</sup> / 1,720 <sup>2)</sup> | 870 <sup>2)</sup> / 1,920 <sup>2)</sup> | 965 <sup>2)</sup> / 2,130 <sup>2)</sup> | 1,025 <sup>2)</sup> / 2,260 <sup>2)</sup> | 1,040 <sup>2)</sup> / 2,290 <sup>2)</sup> | 1,095 <sup>2)</sup> / 2,410 <sup>2)</sup> |
| Specific weight with WLC-V undercarriage | t/m <sup>3</sup> / lb/yd <sup>3</sup> | 2.2 / 3,700                             | 2.2 / 3,700                             | 2.2 / 3,700                             | 2.2 / 3,700                             | 1.8 / 3,000                               | 1.65 / 2,800                              | 1.5 / 2,500                               |

Ditch cleaning bucket GRL rigid 04 type R 924 G8 sealed for direct mounting and mounting to quick coupler SWA 48

|                                          |                                       |               |              |              |               |
|------------------------------------------|---------------------------------------|---------------|--------------|--------------|---------------|
| Cutting width                            | mm / ft in                            | 1,500 / 4'11" | 2,000 / 6'7" | 2,000 / 6'7" | 2,400 / 7'10" |
| Capacity                                 | m <sup>3</sup> / yd <sup>3</sup>      | 0.50 / 0.65   | 0.70 / 0.92  | 1.20 / 1.57  | 0.85 / 1.11   |
| Weight                                   | kg / lb                               | 425 / 940     | 522 / 1,150  | 637 / 1,400  | 605 / 1,330   |
| Specific weight with WLC-V undercarriage | t/m <sup>3</sup> / lb/yd <sup>3</sup> | 2.2 / 3,700   | 2.2 / 3,700  | 2.2 / 3,700  | 2.2 / 3,700   |

Ditch cleaning bucket tiltable GRL 90 type R 924 G8 sealed for direct mounting and mounting to quick coupler SWA 48

|                                          |                                       |              |              |              |              |              |              |              |              |               |               |
|------------------------------------------|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|
| Cutting width                            | mm / ft in                            | 1,600 / 5'3" | 1,600 / 5'3" | 2,000 / 6'7" | 2,000 / 6'7" | 2,000 / 6'7" | 2,200 / 7'3" | 2,200 / 7'3" | 2,200 / 7'3" | 2,400 / 7'10" | 2,400 / 7'10" |
| Capacity                                 | m <sup>3</sup> / yd <sup>3</sup>      | 0.55 / 0.72  | 0.80 / 1.05  | 0.50 / 0.65  | 0.70 / 0.92  | 1.00 / 1.31  | 0.80 / 1.05  | 1.15 / 1.50  | 1.40 / 1.83  | 0.85 / 1.11   | 1.25 / 1.63   |
| Weight                                   | kg / lb                               | 690 / 1,520  | 850 / 1,870  | 695 / 1,530  | 875 / 1,930  | 935 / 2,060  | 910 / 2,010  | 985 / 2,170  | 995 / 2,190  | 890 / 1,960   | 1,000 / 2,210 |
| Specific weight with WLC-V undercarriage | t/m <sup>3</sup> / lb/yd <sup>3</sup> | 2.2 / 3,700  | 2.2 / 3,700  | 2.2 / 3,700  | 2.2 / 3,700  | 2.2 / 3,700  | 2.2 / 3,700  | 2.2 / 3,700  | 1.8 / 3,000  | 2.2 / 3,700   | 2.0 / 3,400   |

<sup>1)</sup> for direct mounting

<sup>2)</sup> for mounting to quick coupler SWA 48

# Lift capacities

with mono boom 6.95 m / 22'10", counterweight 9.4 t / 20,720 lb and track pads 600 mm / 24"

## Stick 2.90 m / 9'6"

| Under-carriage | Height    | 3.0m<br>10 ft              |                                           | 4.5m<br>15 ft              |                                           | 6.0m<br>20 ft              |                                           | 7.5m<br>25 ft              |                                           | 9.0m<br>30 ft              |                                           | 10.5m<br>35 ft             |                                           | m     | ft in |
|----------------|-----------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|-------|-------|
|                |           | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage |       |       |
| HD             | 9.0m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 11.8* | 11.8* |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 26.2* | 26.2* |
|                | 7.5m t    |                            |                                           |                            |                                           |                            |                                           | 12.0                       | 12.9*                                     |                            |                                           |                            |                                           | 10.1  | 11.0* |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           | 25.8                       | 28.4*                                     |                            |                                           |                            |                                           | 22.6  | 24.4* |
|                | 6.0m t    |                            |                                           |                            |                                           |                            |                                           | 11.7                       | 13.5*                                     | 8.7                        | 11.5*                                     |                            |                                           | 8.7   | 10.8* |
|                | 20 ft lb  |                            |                                           |                            |                                           |                            |                                           | 25.2                       | 29.5*                                     |                            |                                           |                            |                                           | 19.2  | 23.8* |
|                | 4.5m t    |                            |                                           | 23.6*                      | 23.6*                                     | 15.6                       | 17.5*                                     | 11.3                       | 14.6*                                     | 8.6                        | 12.8                                      |                            |                                           | 7.9   | 10.9* |
|                | 15 ft lb  |                            |                                           | 50.4*                      | 50.4*                                     | 33.7                       | 37.7*                                     | 24.3                       | 31.8*                                     | 18.5                       | 27.6                                      |                            |                                           | 17.4  | 23.9* |
|                | 3.0m t    |                            |                                           |                            |                                           | 14.7                       | 19.7*                                     | 10.8                       | 15.8*                                     | 8.4                        | 12.6                                      |                            |                                           | 7.5   | 11.2  |
|                | 10 ft lb  |                            |                                           |                            |                                           | 31.9                       | 42.6*                                     | 23.4                       | 34.3*                                     | 18.0                       | 27.1                                      |                            |                                           | 16.5  | 24.7  |
| HD-V           | 1.5m t    |                            |                                           |                            |                                           | 14.1                       | 21.3*                                     | 10.5                       | 16.1                                      | 8.2                        | 12.4                                      |                            |                                           | 7.4   | 11.1  |
|                | 5 ft lb   |                            |                                           |                            |                                           | 27.1*                      | 27.1*                                     | 30.5                       | 46.0*                                     | 22.6                       | 34.8                                      |                            |                                           | 16.3  | 24.6  |
|                | 0m t      |                            |                                           | 18.0*                      | 18.0*                                     | 13.9                       | 21.7*                                     | 10.2                       | 15.9                                      | 8.1                        | 12.2                                      |                            |                                           | 7.6   | 11.5  |
|                | 0 ft lb   |                            |                                           | 42.1*                      | 42.1*                                     | 29.9                       | 47.1*                                     | 22.1                       | 34.2                                      | 17.4                       | 26.4                                      |                            |                                           | 16.8  | 25.4  |
|                | -1.5m t   | 14.4*                      | 14.4*                                     | 21.3                       | 27.2*                                     | 13.8                       | 21.1*                                     | 10.2                       | 15.8                                      |                            |                                           |                            |                                           | 8.3   | 12.6  |
|                | -5 ft lb  | 32.8*                      | 32.8*                                     | 45.9                       | 59.2*                                     | 29.8                       | 45.7*                                     | 22.0                       | 34.1                                      |                            |                                           |                            |                                           | 18.3  | 27.7  |
|                | -3.0m t   | 26.6*                      | 26.6*                                     | 21.6                       | 24.4*                                     | 14.0                       | 19.2*                                     | 10.3                       | 15.0*                                     |                            |                                           |                            |                                           | 9.6   | 13.5* |
|                | -10 ft lb | 60.5*                      | 60.5*                                     | 46.5                       | 52.9*                                     | 30.2                       | 41.5*                                     | 22.4                       | 32.1*                                     |                            |                                           |                            |                                           | 21.2  | 29.8* |
|                | -4.5m t   | 24.1*                      | 24.1*                                     | 19.6*                      | 19.6*                                     | 14.4                       | 15.2*                                     |                            |                                           |                            |                                           |                            |                                           | 12.5  | 12.8* |
|                | -15 ft lb | 51.8*                      | 51.8*                                     | 42.0*                      | 42.0*                                     | 31.2                       | 32.2*                                     |                            |                                           |                            |                                           |                            |                                           | 28.1  | 28.2* |
| HD             | -6.0m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |       |       |
|                | -20 ft lb |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |       |       |
| HD-V           | 9.0m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 11.7* | 11.7* |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 26.0* | 26.0* |
|                | 7.5m t    |                            |                                           |                            |                                           |                            |                                           | 12.5                       | 12.9*                                     |                            |                                           |                            |                                           | 10.4  | 11.0* |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           | 26.8                       | 28.5*                                     |                            |                                           |                            |                                           | 23.3  | 24.3* |
|                | 6.0m t    |                            |                                           |                            |                                           | 15.4*                      | 15.4*                                     | 12.2                       | 13.6*                                     | 9.1                        | 12.0*                                     |                            |                                           | 9.0   | 10.8* |
|                | 20 ft lb  |                            |                                           |                            |                                           | 33.3*                      | 33.3*                                     | 26.3                       | 29.6*                                     |                            |                                           |                            |                                           | 20.0  | 23.8* |
|                | 4.5m t    |                            |                                           | 24.0*                      | 24.0*                                     | 16.2                       | 17.6*                                     | 11.7                       | 14.7*                                     | 9.0                        | 13.1*                                     |                            |                                           | 8.2   | 10.9* |
|                | 15 ft lb  |                            |                                           | 51.2*                      | 51.2*                                     | 35.0                       | 38.1*                                     | 25.3                       | 31.9*                                     | 19.3                       | 28.7*                                     |                            |                                           | 18.2  | 24.0* |
|                | 3.0m t    |                            |                                           |                            |                                           | 15.4                       | 19.9*                                     | 11.3                       | 15.9*                                     | 8.7                        | 13.2                                      |                            |                                           | 7.8   | 11.3* |
|                | 10 ft lb  |                            |                                           |                            |                                           | 33.2                       | 42.9*                                     | 24.4                       | 34.5*                                     | 18.9                       | 28.4                                      |                            |                                           | 17.3  | 24.9* |
| HD-V           | 1.5m t    |                            |                                           | 11.3*                      | 11.3*                                     | 14.8                       | 21.3*                                     | 10.9                       | 16.8*                                     | 8.6                        | 13.0                                      |                            |                                           | 7.8   | 11.7  |
|                | 5 ft lb   |                            |                                           | 27.8*                      | 27.8*                                     | 31.9                       | 46.2*                                     | 23.6                       | 36.4*                                     | 18.5                       | 28.0                                      |                            |                                           | 17.1  | 25.9  |
|                | 0m t      |                            |                                           | 18.6*                      | 18.6*                                     | 14.5                       | 21.7*                                     | 10.7                       | 16.7                                      | 8.5                        | 12.9                                      |                            |                                           | 8.0   | 12.2  |
|                | 0 ft lb   |                            |                                           | 43.5*                      | 43.5*                                     | 31.3                       | 47.0*                                     | 23.2                       | 36.0                                      | 18.3                       | 27.7                                      |                            |                                           | 17.7  | 26.9  |
|                | -1.5m t   | 15.2*                      | 15.2*                                     | 22.4                       | 27.1*                                     | 14.5                       | 21.0*                                     | 10.7                       | 16.7                                      |                            |                                           |                            |                                           | 8.7   | 13.3  |
|                | -5 ft lb  | 34.6*                      | 34.6*                                     | 48.1                       | 58.9*                                     | 31.2                       | 45.5*                                     | 23.1                       | 35.9                                      |                            |                                           |                            |                                           | 19.3  | 29.4  |
|                | -3.0m t   | 27.6*                      | 27.6*                                     | 22.7                       | 24.1*                                     | 14.7                       | 19.0*                                     | 10.9                       | 14.8*                                     |                            |                                           |                            |                                           | 10.2  | 13.5* |
|                | -10 ft lb | 62.7*                      | 62.7*                                     | 48.8                       | 52.3*                                     | 31.7                       | 41.1*                                     | 23.5                       | 31.6*                                     |                            |                                           |                            |                                           | 22.6  | 29.7* |
|                | -4.5m t   |                            |                                           | 19.1*                      | 19.1*                                     | 14.8*                      | 14.8*                                     |                            |                                           |                            |                                           |                            |                                           | 12.7* | 12.7* |
|                | -15 ft lb | 41.0*                      | 41.0*                                     | 31.2*                      | 31.2*                                     |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 27.9* | 27.9* |
| HD             | -6.0m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |       |       |
|                | -20 ft lb |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |       |       |
| HD-V           | 9.0m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 11.7* | 11.7* |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 23.0* | 23.0* |
|                | 7.5m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 12.1* | 12.1* |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 26.5* | 26.5* |
|                | 6.0m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 12.2  | 12.9* |
|                | 20 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 26.4  | 28.0* |
|                | 4.5m t    |                            |                                           | 22.1*                      | 22.1*                                     | 16.3                       | 16.7*                                     | 11.8                       | 14.0*                                     | 9.0                        | 12.6*                                     |                            |                                           | 8.2   | 10.9* |
|                | 15 ft lb  |                            |                                           | 47.4*                      | 47.4*                                     | 35.3                       | 36.1*                                     | 25.4                       | 30.5*                                     | 19.3                       | 27.4*                                     |                            |                                           | 18.2  | 24.0* |
|                | 3.0m t    |                            |                                           | 19.9*                      | 19.9*                                     | 15.4                       | 19.1*                                     | 11.3                       | 15.3*                                     | 8.7                        | 13.1                                      |                            |                                           | 7.8   | 11.3* |
|                | 10 ft lb  |                            |                                           | 50.3                       | 50.6*                                     | 33.3                       | 41.2*                                     | 24.3                       | 33.3*                                     | 18.7                       | 28.3                                      |                            |                                           | 17.3  | 24.9* |
| HD-V           | 1.5m t    |                            |                                           | 15.2*                      | 15.2*                                     | 14.8                       | 20.8*                                     | 10.9                       | 16.4*                                     | 8.5                        | 12.9                                      |                            |                                           | 7.8   | 11.7  |
|                | 5 ft lb   |                            |                                           | 36.3*                      | 36.3*                                     | 31.9                       | 45.0*                                     | 23.5                       | 35.5*                                     | 18.3                       | 27.8                                      |                            |                                           | 17.1  | 25.9  |
|                | 0m t      |                            |                                           | 19.6*                      | 19.6*                                     | 14.4                       | 21.5*                                     | 10.6                       | 16.6                                      | 8.3                        | 12.7                                      |                            |                                           | 8.0   | 12.2  |
|                | 0 ft lb   |                            |                                           | 45.5*                      | 45.5*                                     | 31.1                       | 46.6*                                     | 22.9                       | 35.7                                      | 18.0                       | 27.4                                      |                            |                                           | 17.7  | 26.9  |
|                | -1.5m t   | 14.8*                      | 14.8*                                     | 22.1                       | 27.8*                                     | 14.3                       | 21.1*                                     | 10.5                       | 16.5                                      | 8.3                        | 12.7                                      |                            |                                           | 8.0   | 12.2  |
|                | -5 ft lb  | 33.4*                      | 33.4*                                     | 47.5                       | 60.3*                                     | 30.8                       | 45.8*                                     | 22.7                       | 35.5                                      | 18.0                       | 27.4                                      |                            |                                           | 17.7  | 27.0  |
|                | -3.0m t   | 24.6*                      | 24.6*                                     | 22.3                       | 25.2*                                     | 14.4                       | 19.6*                                     | 10.6                       | 15.4*                                     |                            |                                           |                            |                                           | 9.2   | 12.9* |
|                | -10 ft lb | 55.7*                      | 55.7*                                     | 48.0                       | 54.7*                                     | 31.1                       | 42.4*                                     | 23.0                       | 33.2*                                     |                            |                                           |                            |                                           | 20.4  | 28.5* |
|                | -4.5m t   | 26.7*                      | 26.7*                                     | 20.9*                      | 20.9*                                     | 14.8                       | 16.3*                                     |                            |                                           |                            |                                           |                            |                                           | 11.6  | 12.5* |
|                | -15 ft lb | 57.6*                      | 57.6*                                     | 44.9*                      | 44.9*                                     | 32.0                       | 34.7*                                     |                            |                                           |                            |                                           |                            |                                           | 26.1  | 27.5* |
| HD             | -6.0m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |       |       |
|                | -20 ft lb |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |       |       |

## Stick 3.35 m / 11'

| Under-carriage |  | 3.0m<br>10ft                                                                      |                                                                                   | 4.5m<br>15ft                                                                       |                                                                                     | 6.0m<br>20ft                                                                        |                                                                                     | 7.5m<br>25ft                                                                        |                                                                                     | 9.0m<br>30ft                                                                        |                                                                                     | 10.5m<br>35ft                                                                       |                                                                                     |  |                                                                                     | m      | ft in  |  |
|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|--------|--|
|                |                                                                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |        |  |
| HD             | 9.0m t                                                                            |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 11.3*                                                                               | 11.3*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 9.9*                                                                                | 9.9*                                                                                | 7.7    |        |  |
|                | 30ft lb                                                                           |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 21.9*                                                                               | 21.9*                                                                               | 24.11" |        |  |
|                | 7.5m t                                                                            |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 12.1                                                                                | 12.1*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 9.2                                                                                 | 9.3*                                                                                | 8.8    |        |  |
|                | 25ft lb                                                                           |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 25.9                                                                                | 26.5*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 20.5*                                                                               | 20.5*                                                                               | 28.7"  |        |  |
|                | 6.0m t                                                                            |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 11.8                                                                                | 12.8*                                                                               | 8.8                                                                                 | 12.0*                                                                               |                                                                                     |                                                                                     | 8.0                                                                                 | 9.1*                                                                                | 9.5    |        |  |
|                | 20ft lb                                                                           |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 25.3                                                                                | 27.9*                                                                               | 18.9                                                                                | 25.8*                                                                               |                                                                                     |                                                                                     | 17.8                                                                                | 20.1*                                                                               | 31.1"  |        |  |
|                | 4.5m t                                                                            |                                                                                   |                                                                                   | 21.8*                                                                              | 21.8*                                                                               | 15.7                                                                                | 16.5*                                                                               | 11.3                                                                                | 14.0*                                                                               | 8.6                                                                                 | 12.5*                                                                               |                                                                                     |                                                                                     | 7.3                                                                                 | 9.2*                                                                                | 9.9    |        |  |
|                | 15ft lb                                                                           |                                                                                   |                                                                                   | 46.6*                                                                              | 46.6*                                                                               | 34.0                                                                                | 35.7*                                                                               | 24.4                                                                                | 30.3*                                                                               | 18.5                                                                                | 27.3*                                                                               |                                                                                     |                                                                                     | 16.2                                                                                | 20.2*                                                                               | 32.7"  |        |  |
|                | 3.0m t                                                                            |                                                                                   |                                                                                   | 21.2*                                                                              | 21.2*                                                                               | 14.8                                                                                | 18.9*                                                                               | 10.8                                                                                | 15.3*                                                                               | 8.3                                                                                 | 12.5                                                                                |                                                                                     |                                                                                     | 7.0                                                                                 | 9.5*                                                                                | 10.1   |        |  |
|                | 10ft lb                                                                           |                                                                                   |                                                                                   | 48.3                                                                               | 53.9*                                                                               | 32.0                                                                                | 40.9*                                                                               | 23.3                                                                                | 33.1*                                                                               | 17.9                                                                                | 27.0                                                                                |                                                                                     |                                                                                     | 15.4                                                                                | 20.9*                                                                               | 33.2"  |        |  |
| HD-V           | 1.5m t                                                                            |                                                                                   |                                                                                   | 15.1*                                                                              | 15.1*                                                                               | 14.1                                                                                | 20.7*                                                                               | 10.4                                                                                | 16.1                                                                                | 8.1                                                                                 | 12.3                                                                                |                                                                                     |                                                                                     | 6.9                                                                                 | 10.1*                                                                               | 10.1   |        |  |
|                | 5ft lb                                                                            |                                                                                   |                                                                                   | 36.2*                                                                              | 36.2*                                                                               | 30.5                                                                                | 44.8*                                                                               | 22.4                                                                                | 34.7                                                                                | 17.4                                                                                | 26.4                                                                                |                                                                                     |                                                                                     | 15.2                                                                                | 22.1*                                                                               | 33.1"  |        |  |
|                | 0m t                                                                              |                                                                                   |                                                                                   | 19.1*                                                                              | 19.1*                                                                               | 13.8                                                                                | 21.5*                                                                               | 10.1                                                                                | 15.8                                                                                | 7.9                                                                                 | 12.1                                                                                |                                                                                     |                                                                                     | 7.1                                                                                 | 10.7                                                                                | 9.8    |        |  |
|                | 0ft lb                                                                            |                                                                                   |                                                                                   | 44.5*                                                                              | 44.5*                                                                               | 29.7                                                                                | 46.6*                                                                               | 21.9                                                                                | 34.0                                                                                | 17.1                                                                                | 26.1                                                                                |                                                                                     |                                                                                     | 15.6                                                                                | 23.6                                                                                | 32.2"  |        |  |
|                | -1.5m t                                                                           |                                                                                   | 14.1*                                                                             | 14.1*                                                                              | 21.1                                                                                | 27.4*                                                                               | 13.6                                                                                | 21.2*                                                                               | 10.0                                                                                | 15.7                                                                                | 7.9                                                                                 | 12.1                                                                                |                                                                                     |                                                                                     | 7.6                                                                                 | 11.5   | 9.3    |  |
|                | -5ft lb                                                                           |                                                                                   | 32.0*                                                                             | 32.0*                                                                              | 45.2                                                                                | 60.6*                                                                               | 29.4                                                                                | 46.0*                                                                               | 21.6                                                                                | 33.7                                                                                | 17.1                                                                                | 26.1                                                                                |                                                                                     |                                                                                     | 16.7                                                                                | 25.5   | 30.6"  |  |
|                | -3.0m t                                                                           |                                                                                   | 23.8*                                                                             | 23.8*                                                                              | 21.3                                                                                | 25.5*                                                                               | 13.7                                                                                | 19.8*                                                                               | 10.1                                                                                | 15.6*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 8.6                                                                                 | 12.9*  | 8.5    |  |
|                | -10ft lb                                                                          |                                                                                   | 53.9*                                                                             | 53.9*                                                                              | 45.8                                                                                | 55.2*                                                                               | 29.6                                                                                | 42.7*                                                                               | 21.8                                                                                | 33.5*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 19.2                                                                                | 28.5*  | 27.10" |  |
|                | -4.5m t                                                                           |                                                                                   | 27.3*                                                                             | 27.3*                                                                              | 21.3*                                                                               | 21.3*                                                                               | 14.1                                                                                | 16.6*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 10.9                                                                                | 12.6*  | 7.3    |  |
|                | -15ft lb                                                                          |                                                                                   | 58.9*                                                                             | 58.9*                                                                              | 45.8*                                                                               | 45.8*                                                                               | 30.4                                                                                | 35.5*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 24.3                                                                                | 27.7*  | 23.8"  |  |
| HD             | -6.0m t                                                                           |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |        |        |  |
|                | -20ft lb                                                                          |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |        |        |  |
| HD-V           | 9.0m t                                                                            |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 11.7*                                                                               | 11.7*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 9.8*                                                                                | 9.8*                                                                                | 7.7    |        |  |
|                | 30ft lb                                                                           |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 23.0*                                                                               | 23.0*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 21.8*                                                                               | 21.8*                                                                               | 24.11" |        |  |
|                | 7.5m t                                                                            |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 12.1*                                                                               | 12.1*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 9.3*                                                                                | 9.3*                                                                                | 8.8    |        |  |
|                | 25ft lb                                                                           |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 26.5*                                                                               | 26.5*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 20.5*                                                                               | 20.5*                                                                               | 28.7"  |        |  |
|                | 6.0m t                                                                            |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 12.2                                                                                | 12.9*                                                                               | 9.2                                                                                 | 12.1*                                                                               |                                                                                     |                                                                                     | 8.3                                                                                 | 9.1*                                                                                | 9.5    |        |  |
|                | 20ft lb                                                                           |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 26.4                                                                                | 28.0*                                                                               | 19.7                                                                                | 26.3*                                                                               |                                                                                     |                                                                                     | 18.4                                                                                | 20.0*                                                                               | 31.1"  |        |  |
|                | 4.5m t                                                                            |                                                                                   |                                                                                   | 22.1*                                                                              | 22.1*                                                                               | 16.3                                                                                | 16.7*                                                                               | 11.8                                                                                | 14.0*                                                                               | 9.0                                                                                 | 12.6*                                                                               |                                                                                     |                                                                                     | 7.6                                                                                 | 9.2*                                                                                | 9.9    |        |  |
|                | 15ft lb                                                                           |                                                                                   |                                                                                   | 47.4*                                                                              | 47.4*                                                                               | 35.3                                                                                | 36.1*                                                                               | 25.4                                                                                | 30.5*                                                                               | 19.3                                                                                | 27.4*                                                                               |                                                                                     |                                                                                     | 16.9                                                                                | 20.2*                                                                               | 32.7"  |        |  |
|                | 3.0m t                                                                            |                                                                                   |                                                                                   | 19.9*                                                                              | 19.9*                                                                               | 15.4                                                                                | 19.1*                                                                               | 11.3                                                                                | 15.3*                                                                               | 8.7                                                                                 | 13.1                                                                                |                                                                                     |                                                                                     | 7.3                                                                                 | 9.5*                                                                                | 10.1   |        |  |
|                | 10ft lb                                                                           |                                                                                   |                                                                                   | 50.3                                                                               | 50.6*                                                                               | 33.3                                                                                | 41.2*                                                                               | 24.3                                                                                | 33.3*                                                                               | 18.7                                                                                | 28.3                                                                                |                                                                                     |                                                                                     | 16.1                                                                                | 20.9*                                                                               | 33.2"  |        |  |
| HD-V           | 1.5m t                                                                            |                                                                                   |                                                                                   | 15.2*                                                                              | 15.2*                                                                               | 14.8                                                                                | 20.8*                                                                               | 10.9                                                                                | 16.4*                                                                               | 8.5                                                                                 | 12.9                                                                                |                                                                                     |                                                                                     | 7.2                                                                                 | 10.1*                                                                               | 10.1   |        |  |
|                | 5ft lb                                                                            |                                                                                   |                                                                                   | 36.3*                                                                              | 36.3*                                                                               | 31.9                                                                                | 45.0*                                                                               | 23.5                                                                                | 35.5*                                                                               | 18.3                                                                                | 27.8                                                                                |                                                                                     |                                                                                     | 15.9                                                                                | 22.3*                                                                               | 33.1"  |        |  |
|                | 0m t                                                                              |                                                                                   |                                                                                   | 19.6*                                                                              | 19.6*                                                                               | 14.4                                                                                | 21.5*                                                                               | 10.6                                                                                | 16.6                                                                                | 8.3                                                                                 | 12.7                                                                                |                                                                                     |                                                                                     | 7.4                                                                                 | 11.1*                                                                               | 9.8    |        |  |
|                | 0ft lb                                                                            |                                                                                   |                                                                                   | 45.5*                                                                              | 45.5*                                                                               | 31.1                                                                                | 46.6*                                                                               | 22.9                                                                                | 35.7                                                                                | 18.0                                                                                | 27.4                                                                                |                                                                                     |                                                                                     | 16.4                                                                                | 24.5*                                                                               | 32.2"  |        |  |
|                | -1.5m t                                                                           |                                                                                   | 14.8*                                                                             | 14.8*                                                                              | 22.1                                                                                | 27.8*                                                                               | 14.3                                                                                | 21.1*                                                                               | 10.5                                                                                | 16.5                                                                                | 8.3                                                                                 | 12.7                                                                                |                                                                                     |                                                                                     | 8.0                                                                                 | 12.2   | 9.3    |  |
|                | -5ft lb                                                                           |                                                                                   | 33.4*                                                                             | 33.4*                                                                              | 47.5                                                                                | 60.3*                                                                               | 30.8                                                                                | 45.8*                                                                               | 22.7                                                                                | 35.5                                                                                | 18.0                                                                                | 27.4                                                                                |                                                                                     |                                                                                     | 17.7                                                                                | 27.0   | 30.6"  |  |
|                | -3.0m t                                                                           |                                                                                   | 24.6*                                                                             | 24.6*                                                                              | 22.3                                                                                | 25.2*                                                                               | 14.4                                                                                | 19.6*                                                                               | 10.6                                                                                | 15.4*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 9.2                                                                                 | 12.9*  | 8.5    |  |
|                | -10ft lb                                                                          |                                                                                   | 55.7*                                                                             | 55.7*                                                                              | 48.0                                                                                | 54.7*                                                                               | 31.1                                                                                | 42.4*                                                                               | 23.0                                                                                | 33.2*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 20.0                                                                                | 28.5*  | 27.10" |  |
|                | -4.5m t                                                                           |                                                                                   | 26.7*                                                                             | 26.7*                                                                              | 20.9*                                                                               | 20.9*                                                                               | 14.8                                                                                | 16.3*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 11.6                                                                                | 12.5*  | 7.3    |  |
|                | -15ft lb                                                                          |                                                                                   | 57.6*                                                                             | 57.6*                                                                              | 44.9*                                                                               | 44.9*                                                                               | 32.0                                                                                | 34.7*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 26.1                                                                                | 27.5*  | 23.8"  |  |
| HD             | -6.0m t                                                                           |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |        |        |  |
|                | -20ft lb                                                                          |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |        |        |  |

## Stick 3.90 m / 12'10"

| Under-carriage |          | 3.0m<br>10ft                                                                      |                                                                                   | 4.5m<br>15ft                                                                      |                                                                                   | 6.0m<br>20ft                                                                      |                                                                                   | 7.5m<br>25ft                                                                      |                                                                                   | 9.0m<br>30ft                                                                      |                                                                                   | 10.5m<br>35ft                                                                     |                                                                                   |  m |       |       |        |        |
|----------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|-------|--------|--------|
|                |          |  |  |  |  |  |  |  |  |  |  |  |  |    | ft    | in    |        |        |
| HD             | 9.0m t   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 8.0*  | 8.0*  | 8.2    |        |
|                | 30ft lb  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 17.7* | 17.7* | 26'7"  |        |
|                | 7.5m t   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 8.9                                                                               | 9.0*                                                                              |                                                                                   |                                                                                   |                                                                                     | 7.6*  | 7.6*  | 9.2    |        |
|                | 25ft lb  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 17.4*                                                                             | 17.4*                                                                             |                                                                                   |                                                                                   |                                                                                     | 16.9* | 16.9* | 30'1"  |        |
|                | 6.0m t   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 11.8                                                                              | 11.8*                                                                             | 8.8                                                                               | 11.2*                                                                             |                                                                                   |                                                                                   |                                                                                     | 7.4   | 7.5*  | 9.9    |        |
|                | 20ft lb  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 25.5                                                                              | 25.8*                                                                             | 18.9                                                                              | 24.3*                                                                             |                                                                                   |                                                                                   |                                                                                     | 16.5  | 16.6* | 32'5"  |        |
|                | 4.5m t   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 15.3*                                                                             | 15.3*                                                                             | 11.3                                                                              | 13.1*                                                                             | 8.6                                                                               | 11.8*                                                                             |                                                                                   |                                                                                   |                                                                                     | 6.8   | 7.7*  | 10.3   |        |
|                | 15ft lb  |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 33.1*                                                                             | 33.1*                                                                             | 24.5                                                                              | 28.4*                                                                             | 18.4                                                                              | 25.8*                                                                             |                                                                                   |                                                                                   |                                                                                     | 15.1  | 16.9* | 33'11" |        |
|                | 3.0m t   |                                                                                   |                                                                                   | 22.8                                                                              | 24.6*                                                                             | 14.9                                                                              | 17.8*                                                                             | 10.8                                                                              | 14.5*                                                                             | 8.3                                                                               | 12.5                                                                              | 6.5                                                                               | 8.2*                                                                              |                                                                                     | 6.5   | 8.0*  | 10.5   |        |
|                | 10ft lb  |                                                                                   |                                                                                   | 49.2                                                                              | 53.0*                                                                             | 32.2                                                                              | 38.5*                                                                             | 23.3                                                                              | 31.4*                                                                             | 17.8                                                                              | 26.9                                                                              |                                                                                   |                                                                                   |                                                                                     | 14.3  | 17.6* | 34'6"  |        |
|                | 1.5m t   |                                                                                   |                                                                                   | 21.4                                                                              | 21.8*                                                                             | 14.1                                                                              | 19.9*                                                                             | 10.3                                                                              | 15.7*                                                                             | 8.0                                                                               | 12.2                                                                              |                                                                                   |                                                                                   |                                                                                     | 6.4   | 8.5*  | 10.5   |        |
|                | 5ft lb   |                                                                                   |                                                                                   | 46.1                                                                              | 51.6*                                                                             | 30.5                                                                              | 43.0*                                                                             | 22.3                                                                              | 34.1*                                                                             | 17.2                                                                              | 26.2                                                                              |                                                                                   |                                                                                   |                                                                                     | 14.1  | 18.8* | 34'5"  |        |
|                | 0m t     |                                                                                   | 8.6*                                                                              | 8.6*                                                                              | 20.8                                                                              | 22.2*                                                                             | 13.6                                                                              | 21.1*                                                                             | 10.0                                                                              | 15.7                                                                              | 7.8                                                                               | 12.0                                                                              |                                                                                   |                                                                                     |       | 6.5   | 9.4*   | 10.2   |
|                | 0ft lb   |                                                                                   | 19.6*                                                                             | 19.6*                                                                             | 44.8                                                                              | 51.4*                                                                             | 29.4                                                                              | 45.6*                                                                             | 21.6                                                                              | 33.7                                                                              | 16.8                                                                              | 25.8                                                                              |                                                                                   |                                                                                     |       | 14.4  | 20.7*  | 33'7"  |
|                | -1.5m t  |                                                                                   | 15.0*                                                                             | 15.0*                                                                             | 20.7                                                                              | 27.8*                                                                             | 13.4                                                                              | 21.2*                                                                             | 9.8                                                                               | 15.5                                                                              | 7.7                                                                               | 11.9                                                                              |                                                                                   |                                                                                     |       | 6.9   | 10.6   | 9.7    |
|                | -5ft lb  |                                                                                   | 33.8*                                                                             | 33.8*                                                                             | 44.5                                                                              | 61.5*                                                                             | 28.9                                                                              | 45.9*                                                                             | 21.2                                                                              | 33.3                                                                              | 16.6                                                                              | 25.6                                                                              |                                                                                   |                                                                                     |       | 15.3  | 23.5   | 31'11" |
|                | -3.0m t  |                                                                                   | 22.4*                                                                             | 22.4*                                                                             | 20.9                                                                              | 26.5*                                                                             | 13.4                                                                              | 20.2*                                                                             | 9.8                                                                               | 15.5                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                     |       | 7.8   | 12.0   | 9.0    |
|                | -10ft lb |                                                                                   | 50.7*                                                                             | 50.7*                                                                             | 44.8                                                                              | 57.3*                                                                             | 29.0                                                                              | 43.7*                                                                             | 21.3                                                                              | 33.4                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                     |       | 17.3  | 26.6   | 29'4"  |
| -4.5m t        |          | 30.8*                                                                             | 30.8*                                                                             | 21.3                                                                              | 23.0*                                                                             | 13.7                                                                              | 17.8*                                                                             | 10.1                                                                              | 13.6*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 9.6   | 12.6* | 7.8    |        |
| -15ft lb       |          | 66.4*                                                                             | 66.4*                                                                             | 45.8                                                                              | 49.6*                                                                             | 29.6                                                                              | 38.2*                                                                             | 21.9                                                                              | 28.9*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 21.3  | 27.8* | 25'6"  |        |
| -6.0m t        |          |                                                                                   |                                                                                   | 16.9*                                                                             | 16.9*                                                                             | 12.4*                                                                             | 12.4*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 12.0* | 12.0* | 6.1    |        |
| -20ft lb       |          |                                                                                   |                                                                                   | 35.6*                                                                             | 35.6*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 26.1* | 26.1* | 19'8"  |        |
| HD-V           | 9.0m t   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 7.9*  | 7.9*  | 8.2    |        |
|                | 30ft lb  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 17.6* | 17.6* | 26'7"  |        |
|                | 7.5m t   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 9.2*                                                                              | 9.2*                                                                              |                                                                                   |                                                                                   |                                                                                     | 7.6*  | 7.6*  | 9.2    |        |
|                | 25ft lb  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 18.1*                                                                             | 18.1*                                                                             |                                                                                   |                                                                                   |                                                                                     | 16.8* | 16.8* | 30'1"  |        |
|                | 6.0m t   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 11.9*                                                                             | 11.9*                                                                             | 9.2                                                                               | 11.2*                                                                             |                                                                                   |                                                                                   |                                                                                     | 7.6*  | 7.6*  | 9.9    |        |
|                | 20ft lb  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 26.0*                                                                             | 26.0*                                                                             | 19.8                                                                              | 24.6*                                                                             |                                                                                   |                                                                                   |                                                                                     | 16.6* | 16.6* | 32'5"  |        |
|                | 4.5m t   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 15.5*                                                                             | 15.5*                                                                             | 11.8                                                                              | 13.2*                                                                             | 8.9                                                                               | 11.9*                                                                             |                                                                                   |                                                                                   |                                                                                     | 7.1   | 7.7*  | 10.3   |        |
|                | 15ft lb  |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 33.4*                                                                             | 33.4*                                                                             | 25.5                                                                              | 28.6*                                                                             | 19.3                                                                              | 25.9*                                                                             |                                                                                   |                                                                                   |                                                                                     | 15.8  | 16.9* | 33'11" |        |
|                | 3.0m t   |                                                                                   |                                                                                   | 23.7                                                                              | 25.0*                                                                             | 15.5                                                                              | 18.0*                                                                             | 11.3                                                                              | 14.6*                                                                             | 8.6                                                                               | 12.6*                                                                             | 6.8                                                                               | 8.3*                                                                              |                                                                                     | 6.8   | 8.0*  | 10.5   |        |
|                | 10ft lb  |                                                                                   |                                                                                   | 51.1                                                                              | 53.6*                                                                             | 33.5                                                                              | 38.9*                                                                             | 24.3                                                                              | 31.6*                                                                             | 18.6                                                                              | 27.5*                                                                             |                                                                                   |                                                                                   |                                                                                     | 15.0  | 17.6* | 34'6"  |        |
|                | 1.5m t   |                                                                                   |                                                                                   | 21.5*                                                                             | 21.5*                                                                             | 14.8                                                                              | 20.0*                                                                             | 10.8                                                                              | 15.8*                                                                             | 8.4                                                                               | 12.8                                                                              |                                                                                   |                                                                                   |                                                                                     | 6.7   | 8.6*  | 10.5   |        |
|                | 5ft lb   |                                                                                   |                                                                                   | 48.1                                                                              | 50.9*                                                                             | 31.8                                                                              | 43.3*                                                                             | 23.3                                                                              | 34.3*                                                                             | 18.0                                                                              | 27.6                                                                              |                                                                                   |                                                                                   |                                                                                     | 14.8  | 18.9* | 34'5"  |        |
|                | 0m t     |                                                                                   | 9.1*                                                                              | 9.1*                                                                              | 21.8                                                                              | 22.5*                                                                             | 14.3                                                                              | 21.1*                                                                             | 10.5                                                                              | 16.5                                                                              | 8.2                                                                               | 12.6                                                                              |                                                                                   |                                                                                     |       | 6.9   | 9.5*   | 10.2   |
|                | 0ft lb   |                                                                                   | 20.6*                                                                             | 20.6*                                                                             | 46.9                                                                              | 51.9*                                                                             | 30.8                                                                              | 45.7*                                                                             | 22.6                                                                              | 35.4                                                                              | 17.6                                                                              | 27.1                                                                              |                                                                                   |                                                                                     |       | 15.2  | 20.9*  | 33'7"  |
|                | -1.5m t  |                                                                                   | 15.5*                                                                             | 15.5*                                                                             | 21.7                                                                              | 28.3*                                                                             | 14.1                                                                              | 21.1*                                                                             | 10.3                                                                              | 16.3                                                                              | 8.1                                                                               | 12.5                                                                              |                                                                                   |                                                                                     |       | 7.4   | 10.9*  | 9.7    |
|                | -5ft lb  |                                                                                   | 34.9*                                                                             | 34.9*                                                                             | 46.7                                                                              | 61.3*                                                                             | 30.4                                                                              | 45.8*                                                                             | 22.3                                                                              | 35.1                                                                              | 17.5                                                                              | 27.0                                                                              |                                                                                   |                                                                                     |       | 16.2  | 24.2*  | 31'11" |
|                | -3.0m t  |                                                                                   | 23.0*                                                                             | 23.0*                                                                             | 21.9                                                                              | 26.3*                                                                             | 14.1                                                                              | 20.1*                                                                             | 10.4                                                                              | 15.8*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                     |       | 8.3   | 12.6*  | 9.0    |
|                | -10ft lb |                                                                                   | 52.0*                                                                             | 52.0*                                                                             | 47.1                                                                              | 56.9*                                                                             | 30.5                                                                              | 43.5*                                                                             | 22.4                                                                              | 34.2*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                     |       | 18.4  | 27.7*  | 29'4"  |
| -4.5m t        |          | 30.3*                                                                             | 30.3*                                                                             | 22.3                                                                              | 22.7*                                                                             | 14.4                                                                              | 17.5*                                                                             | 10.6                                                                              | 13.3*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 10.2  | 12.6* | 7.8    |        |
| -15ft lb       |          | 65.3*                                                                             | 65.3*                                                                             | 48.1                                                                              | 48.9*                                                                             | 31.1                                                                              | 37.7*                                                                             | 23.0                                                                              | 28.2*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 22.8  | 27.8* | 25'6"  |        |
| -6.0m t        |          |                                                                                   |                                                                                   | 16.3*                                                                             | 16.3*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 11.8* | 11.8* | 6.1    |        |
| -20ft lb       |          |                                                                                   |                                                                                   | 34.2*                                                                             | 34.2*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 25.8* | 25.8* | 19'8"  |        |



Height



Can be slewed through 360°



In longitudinal position of undercarriage



Max. reach

\* Limited by hydr. capacity

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm / 24" wide track pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via \*). Without bucket cylinder, link and lever the lift capacities will increase by 730 kg / 1,610 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

# Lift capacities

with mono boom 6.95 m / 22'10", counterweight 10.9 t / 24,030 lb and track pads 600 mm / 24"

## Stick 2.90 m / 9'6"

| Under-carriage | Height    | 3.0m<br>10 ft |       | 4.5m<br>15 ft |       | 6.0m<br>20 ft |       | 7.5m<br>25 ft |       | 9.0m<br>30 ft |       | 10.5m<br>35 ft |    | Max. reach | ft in  |
|----------------|-----------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|----------------|----|------------|--------|
|                |           | t             | lb    | t             | lb    | t             | lb    | t             | lb    | t             | lb    | t              | lb |            |        |
| HD             | 9.0m t    |               |       |               |       |               |       |               |       |               |       |                |    | 11.8*      | 7.2    |
|                | 30 ft lb  |               |       |               |       |               |       |               |       |               |       |                |    | 26.2*      | 23'    |
|                | 7.5m t    |               |       |               |       |               |       | 12.9*         | 12.9* |               |       |                |    | 10.9       | 8.3    |
|                | 25 ft lb  |               |       |               |       |               |       | 27.8          | 28.4* |               |       |                |    | 24.4*      | 27*    |
|                | 6.0m t    |               |       |               |       |               |       | 12.7          | 13.5* | 9.5           | 11.5* |                |    | 9.4        | 9.1    |
|                | 20 ft lb  |               |       |               |       |               |       | 27.3          | 29.5* |               |       |                |    | 20.9       | 29.7"  |
|                | 4.5m t    |               |       | 23.6*         | 23.6* | 16.9          | 17.5* | 12.2          | 14.6* | 9.4           | 13.1* |                |    | 8.6        | 9.5    |
|                | 15 ft lb  |               |       | 50.4*         | 50.4* | 36.5          | 37.7* | 26.4          | 31.8* | 20.1          | 28.6* |                |    | 19.0       | 31'1"  |
|                | 3.0m t    |               |       |               |       | 16.0          | 19.7* | 11.8          | 15.8* | 9.1           | 13.5  |                |    | 8.2        | 9.7    |
|                | 10 ft lb  |               |       |               |       | 34.6          | 42.6* | 25.4          | 34.3* | 19.7          | 29.1  |                |    | 18.1       | 31'10" |
|                | 1.5m t    |               |       |               |       | 15.4          | 21.3* | 11.4          | 16.8* | 8.9           | 13.3  |                |    | 8.1        | 9.7    |
|                | 5 ft lb   |               |       |               |       | 27.1*         | 27.1* | 33.3          | 46.0* | 19.3          | 28.7  |                |    | 17.9       | 31'8"  |
|                | 0m t      |               |       |               |       | 18.0*         | 18.0* | 15.1          | 21.7* | 11.2          | 17.1  |                |    | 8.4        | 9.4    |
|                | 0 ft lb   |               |       |               |       | 42.1*         | 42.1* | 32.6          | 47.1* | 24.2          | 36.9  |                |    | 18.4       | 30'10" |
|                | -1.5m t   | 14.4*         | 14.4* | 23.3          | 27.2* | 15.1          | 21.1* | 11.1          | 16.7* |               |       |                |    | 9.0        | 8.9    |
| HD-V           | -5 ft lb  | 32.8*         | 32.8* | 50.0          | 59.2* | 32.5          | 45.7* | 24.1          | 36.2* |               |       |                |    | 20.0       | 29*    |
|                | -3.0m t   | 26.6*         | 26.6* | 23.6          | 24.4* | 15.3          | 19.2* | 11.3          | 15.0* |               |       |                |    | 10.5       | 8.0    |
|                | -10 ft lb | 60.5*         | 60.5* | 50.7          | 52.9* | 32.9          | 41.5* | 24.4          | 32.1* |               |       |                |    | 23.2       | 26'1"  |
|                | -4.5m t   | 24.1*         | 24.1* | 19.6*         | 19.6* | 15.2*         | 15.2* |               |       |               |       |                |    | 12.8*      | 6.7    |
|                | -15 ft lb | 51.8*         | 51.8* | 42.0*         | 42.0* | 32.2*         | 32.2* |               |       |               |       |                |    | 28.2*      | 21'8"  |
|                | -6.0m t   |               |       |               |       |               |       |               |       |               |       |                |    |            |        |
|                | -20 ft lb |               |       |               |       |               |       |               |       |               |       |                |    |            |        |
|                | 9.0m t    |               |       |               |       |               |       |               |       |               |       |                |    | 11.7*      | 7.2    |
|                | 30 ft lb  |               |       |               |       |               |       |               |       |               |       |                |    | 26.0*      | 23'    |
|                | 7.5m t    |               |       |               |       |               |       | 12.9*         | 12.9* |               |       |                |    | 11.0*      | 8.3    |
|                | 25 ft lb  |               |       |               |       |               |       | 28.5*         | 28.5* |               |       |                |    | 24.3*      | 27*    |
|                | 6.0m t    |               |       |               |       | 15.4*         | 15.4* | 13.1          | 13.6* | 9.9           | 12.0* |                |    | 9.7        | 9.1    |
|                | 20 ft lb  |               |       |               |       | 33.3*         | 33.3* | 28.3          | 29.6* |               |       |                |    | 21.6       | 29.7"  |
|                | 4.5m t    |               |       | 24.0*         | 24.0* | 17.5          | 17.6* | 12.7          | 14.7* | 9.7           | 13.1* |                |    | 8.9        | 9.5    |
| HD-V           | 15 ft lb  |               |       | 51.2*         | 51.2* | 37.8          | 38.1* | 27.4          | 31.9* | 21.0          | 28.7* |                |    | 19.7       | 31'1"  |
|                | 3.0m t    |               |       |               |       | 16.6          | 19.9* | 12.2          | 15.9* | 9.5           | 13.7* |                |    | 8.5        | 9.7    |
|                | 10 ft lb  |               |       |               |       | 36.0          | 42.9* | 26.4          | 34.5* | 20.5          | 29.8* |                |    | 18.8       | 31'10" |
|                | 1.5m t    |               |       |               |       | 11.3*         | 11.3* | 16.1          | 21.3* | 9.3           | 13.9  |                |    | 8.5        | 9.7    |
|                | 5 ft lb   |               |       |               |       | 27.8*         | 27.8* | 34.7          | 46.2* | 20.1          | 30.0  |                |    | 18.7       | 31'8"  |
|                | 0m t      |               |       |               |       | 18.6*         | 18.6* | 15.8          | 21.7* | 9.2           | 13.8  |                |    | 8.8        | 9.4    |
|                | 0 ft lb   |               |       |               |       | 43.5*         | 43.5* | 34.1          | 47.0* | 19.9          | 29.8  |                |    | 19.3       | 30'10" |
|                | -1.5m t   | 15.2*         | 15.2* | 24.3          | 27.1* | 15.8          | 21.0* | 11.6          | 16.7* |               |       |                |    | 9.5        | 8.9    |
|                | -5 ft lb  | 34.6*         | 34.6* | 52.2          | 58.9* | 34.0          | 45.5* | 25.2          | 36.0* |               |       |                |    | 21.0       | 29*    |
|                | -3.0m t   | 27.6*         | 27.6* | 24.1*         | 24.1* | 16.0          | 19.0* | 11.8          | 14.8* |               |       |                |    | 11.1       | 8.0    |
|                | -10 ft lb | 62.7*         | 62.7* | 52.3*         | 52.3* | 34.4          | 41.1* | 25.6          | 31.6* |               |       |                |    | 24.6       | 26'1"  |
|                | -4.5m t   |               |       | 19.1*         | 19.1* | 14.8*         | 14.8* |               |       |               |       |                |    | 12.7*      | 6.7    |
|                | -15 ft lb |               |       | 41.0*         | 41.0* | 31.2*         | 31.2* |               |       |               |       |                |    | 27.9*      | 21'8"  |
|                | -6.0m t   |               |       |               |       |               |       |               |       |               |       |                |    |            |        |
|                | -20 ft lb |               |       |               |       |               |       |               |       |               |       |                |    |            |        |

## Stick 3.35 m / 11'

| Under-carriage | Height    | 3.0m<br>10 ft |       | 4.5m<br>15 ft |       | 6.0m<br>20 ft |       | 7.5m<br>25 ft |       | 9.0m<br>30 ft |       | 10.5m<br>35 ft |    | Max. reach | ft in  |
|----------------|-----------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|----------------|----|------------|--------|
|                |           | t             | lb    | t             | lb    | t             | lb    | t             | lb    | t             | lb    | t              | lb |            |        |
| HD             | 9.0m t    |               |       |               |       |               |       |               |       |               |       |                |    | 9.9*       | 7.7    |
|                | 30 ft lb  |               |       |               |       |               |       |               |       |               |       |                |    | 21.9*      | 24'11" |
|                | 7.5m t    |               |       |               |       |               |       | 12.1*         | 12.1* |               |       |                |    | 9.3*       | 8.8    |
|                | 25 ft lb  |               |       |               |       |               |       | 26.5*         | 26.5* |               |       |                |    | 20.5*      | 28.7"  |
|                | 6.0m t    |               |       |               |       |               |       | 12.7          | 12.8* | 9.5           | 12.0* |                |    | 8.7        | 9.5    |
|                | 20 ft lb  |               |       |               |       |               |       | 27.4          | 27.9* | 20.5          | 25.8* |                |    | 19.3       | 31'1"  |
|                | 4.5m t    |               |       | 21.8*         | 21.8* | 16.5*         | 16.5* | 12.3          | 14.0* | 9.3           | 12.5* |                |    | 8.0        | 9.9    |
|                | 15 ft lb  |               |       | 46.6*         | 46.6* | 35.7*         | 35.7* | 26.4          | 30.3* | 20.1          | 27.3* |                |    | 17.7       | 32.7"  |
|                | 3.0m t    |               |       | 21.2*         | 21.2* | 16.1          | 18.9* | 11.8          | 15.3* | 9.1           | 13.2* |                |    | 7.6        | 10.1   |
|                | 10 ft lb  |               |       | 52.5          | 53.9* | 34.8          | 40.9* | 25.4          | 33.1* | 19.6          | 28.7* |                |    | 16.8       | 33.2"  |
|                | 1.5m t    |               |       | 15.1*         | 15.1* | 15.4          | 20.7* | 11.4          | 16.3* | 8.8           | 13.2  |                |    | 7.5        | 10.1   |
|                | 5 ft lb   |               |       | 36.2*         | 36.2* | 33.3          | 44.8* | 24.5          | 35.4* | 19.1          | 28.5  |                |    | 16.6       | 33'1"  |
|                | 0m t      |               |       | 19.1*         | 19.1* | 15.0          | 21.5* | 11.1          | 16.9* | 8.7           | 13.1  |                |    | 7.7        | 9.8    |
|                | 0 ft lb   |               |       | 44.5*         | 44.5* | 32.4          | 46.6* | 23.9          | 36.6  | 18.8          | 28.2  |                |    | 17.1       | 32.2"  |
|                | -1.5m t   | 14.1*         | 14.1* | 23.0          | 27.4* | 14.9          | 21.2* | 11.0          | 16.8* | 8.7           | 13.0  |                |    | 8.3        | 9.3    |
|                | -5 ft lb  | 32.0*         | 32.0* | 49.4          | 60.6* | 32.2          | 46.0* | 23.7          | 36.3* | 18.7          | 28.1  |                |    | 18.4       | 30.6*  |
| HD-V           | -3.0m t   | 23.8*         | 23.8* | 23.2          | 25.5* | 15.0          | 19.8* | 11.1          | 15.6* |               |       |                |    | 9.5        | 8.5    |
|                | -10 ft lb | 53.9*         | 53.9* | 50.0          | 55.2* | 32.4          | 42.7* | 23.9          | 33.5* |               |       |                |    | 21.0       | 27'10" |
|                | -4.5m t   | 27.3*         | 27.3* | 21.3*         | 21.3* | 15.4          | 16.6* |               |       |               |       |                |    | 11.9       | 7.3    |
|                | -15 ft lb | 58.9*         | 58.9* | 45.8*         | 45.8* | 33.2          | 35.5* |               |       |               |       |                |    | 26.5       | 23.8"  |
|                | -6.0m t   |               |       |               |       |               |       |               |       |               |       |                |    |            |        |
|                | -20 ft lb |               |       |               |       |               |       |               |       |               |       |                |    |            |        |
|                | 9.0m t    |               |       |               |       |               |       |               |       |               |       |                |    | 9.8*       | 7.7    |
|                | 30 ft lb  |               |       |               |       |               |       |               |       |               |       |                |    | 21.8*      | 24'11" |
|                | 7.5m t    |               |       |               |       |               |       | 12.1*         | 12.1* |               |       |                |    | 9.3*       | 8.8    |
|                | 25 ft lb  |               |       |               |       |               |       | 26.5*         | 26.5* |               |       |                |    | 20.5*      | 28.7"  |
|                | 6.0m t    |               |       |               |       |               |       | 12.9*         | 12.9* | 9.9           | 12.1* |                |    | 9.0        | 9.5    |
|                | 20 ft lb  |               |       |               |       |               |       | 28.0*         | 28.0* | 21.4          | 26.3* |                |    | 20.0       | 31'1"  |
|                | 4.5m t    |               |       | 22.1*         | 22.1* | 16.7*         | 16.7* | 12.7          | 14.0* | 9.7           | 12.6* |                |    | 8.3        | 9.9    |
|                | 15 ft lb  |               |       | 47.4*         | 47.4* | 36.1*         | 36.1* | 27.4          | 30.5* | 20.9          | 27.4* |                |    | 18.4       | 32.7"  |
| HD-V           | 3.0m t    |               |       | 19.9*         | 19.9* | 16.7          | 19.1* | 12.2          | 15.3* | 9.5           | 13.2* |                |    | 8.0        | 10.1   |
|                | 10 ft lb  |               |       | 50.6*         | 50.6* | 36.1          | 41.2* | 26.4          | 33.3* | 20.4          | 28.8* |                |    | 17.6       | 33.2"  |
|                | 1.5m t    |               |       | 15.2*         | 15.2* | 16.0          | 20.8* | 11.8          | 16.4* | 9.2           | 13.8* |                |    | 7.9        | 10.1   |
|                | 5 ft lb   |               |       | 36.3*         | 36.3* | 34.6          | 45.0* | 25.5          | 35.5* | 19.9          | 29.8  |                |    | 17.4       | 33'1"  |
|                | 0m t      |               |       | 19.6*         | 19.6* | 15.7          | 21.5* | 11.6          | 16.9* | 9.1           | 13.7  |                |    | 8.1        | 9.8    |
|                | 0 ft lb   |               |       | 45.5*         | 45.5* | 33.8          | 46.6* | 25.0          | 36.7* | 19.6          | 29.5  |                |    | 17.9       | 32.2"  |
|                | -1.5m t   | 14.8*         | 14.8* | 24.0          | 27.8* | 15.6          | 21.1* | 11.5          | 16.7* | 9.1           | 13.5* |                |    | 8.8        | 9.3    |
|                | -5 ft lb  | 33.4*         | 33.4* | 51.6          | 60.3* | 33.6          | 45.8* | 24.8          | 36.2* | 19.6          | 28.9* |                |    | 19.3       | 30.6*  |
|                | -3.0m t   | 24.6*         | 24.6* | 24.3          | 25.2* | 15.7          | 19.6* | 11.6          | 15.4* |               |       |                |    | 10.0       | 8.5    |
|                | -10 ft lb | 55.7*         | 55.7* | 52.2          | 54.7* | 33.9          | 42.4* | 25.0          | 33.2* |               |       |                |    | 22.2       | 27'10" |
|                | -4.5m t   | 26.7*         | 26.7* | 20.9*         | 20.9* | 16.1          | 16.3* |               |       |               |       |                |    | 12.5*      | 7.3    |
|                | -15 ft lb | 57.6*         | 57.6* | 44.9*         | 44.9* | 34.7*         | 34.7* |               |       |               |       |                |    | 27.5*      | 23.8"  |
|                | -6.0m t   |               |       |               |       |               |       |               |       |               |       |                |    |            |        |
|                | -20 ft lb |               |       |               |       |               |       |               |       |               |       |                |    |            |        |



Height



Can be slewed through 360°



In longitudinal position of undercarriage



Max. reach

\* Limited by hydr. capacity

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm / 24" wide track pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via \*). Without bucket cylinder, link and lever the lift capacities will increase by 730 kg / 1,610 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

## Stick 3.90 m / 12'10"

| Under-carriage |  | 3.0 m<br>10 ft                                                                    |                                                                                   | 4.5 m<br>15 ft                                                                    |                                                                                   | 6.0 m<br>20 ft                                                                    |                                                                                   | 7.5 m<br>25 ft                                                                    |                                                                                   | 9.0 m<br>30 ft                                                                    |                                                                                   | 10.5 m<br>35 ft                                                                   |                                                                                   |  m |       |       |
|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|-------|
|                |                                                                                   |  |  |  |  |  |  |  |  |  |  |  |  | ft                                                                                  | in    |       |
| HD             | 9.0 m t                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 8.0*                                                                                | 8.0*  | 8.2   |
|                | 30 ft lb                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 17.7*                                                                               | 17.7* | 26.7" |
|                | 7.5 m t                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 9.0*                                                                              | 9.0*                                                                              |                                                                                   |                                                                                   | 7.6*                                                                                | 7.6*  | 9.2   |
|                | 25 ft lb                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 17.4*                                                                             | 17.4*                                                                             |                                                                                   |                                                                                   | 16.9*                                                                               | 16.9* | 30.1" |
|                | 6.0 m t                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 11.8*                                                                             | 11.8*                                                                             | 9.6                                                                               | 11.2*                                                                             |                                                                                   |                                                                                   | 7.5*                                                                                | 7.5*  | 9.9   |
|                | 20 ft lb                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 25.8*                                                                             | 25.8*                                                                             | 20.6                                                                              | 24.3*                                                                             |                                                                                   |                                                                                   | 16.6*                                                                               | 16.6* | 32.5" |
|                | 4.5 m t                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 15.3*                                                                             | 15.3*                                                                             | 12.3                                                                              | 13.1*                                                                             | 9.3                                                                               | 11.8*                                                                             |                                                                                   |                                                                                   | 7.5                                                                                 | 7.7*  | 10.3  |
|                | 15 ft lb                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 33.1*                                                                             | 33.1*                                                                             | 26.5                                                                              | 28.4*                                                                             | 20.1                                                                              | 25.8*                                                                             |                                                                                   |                                                                                   | 16.5                                                                                | 16.9* | 33.1" |
|                | 3.0 m t                                                                           |                                                                                   |                                                                                   | 24.6*                                                                             | 24.6*                                                                             | 16.2                                                                              | 17.8*                                                                             | 11.8                                                                              | 14.5*                                                                             | 9.0                                                                               | 12.6*                                                                             | 7.1                                                                               | 8.2*                                                                              | 7.1                                                                                 | 8.0*  | 10.5  |
|                | 10 ft lb                                                                          |                                                                                   |                                                                                   | 53.0*                                                                             | 53.0*                                                                             | 35.0                                                                              | 38.5*                                                                             | 25.4                                                                              | 31.4*                                                                             | 19.5                                                                              | 27.4*                                                                             |                                                                                   |                                                                                   | 15.7                                                                                | 17.6* | 34.6" |
|                | 1.5 m t                                                                           |                                                                                   |                                                                                   | 21.8*                                                                             | 21.8*                                                                             | 15.4                                                                              | 19.9*                                                                             | 11.3                                                                              | 15.7*                                                                             | 8.7                                                                               | 13.1                                                                              |                                                                                   |                                                                                   | 7.0                                                                                 | 8.5*  | 10.5  |
|                | 5 ft lb                                                                           |                                                                                   |                                                                                   | 50.3                                                                              | 51.6*                                                                             | 33.2                                                                              | 43.0*                                                                             | 24.4                                                                              | 34.1*                                                                             | 18.9                                                                              | 28.3                                                                              |                                                                                   |                                                                                   | 15.5                                                                                | 18.8* | 34.5" |
|                | 0 m t                                                                             | 8.6*                                                                              | 8.6*                                                                              | 22.2*                                                                             | 22.2*                                                                             | 14.9                                                                              | 21.1*                                                                             | 11.0                                                                              | 16.5*                                                                             | 8.5                                                                               | 12.9                                                                              |                                                                                   |                                                                                   | 7.2                                                                                 | 9.4*  | 10.2  |
|                | 0 ft lb                                                                           | 19.6*                                                                             | 19.6*                                                                             | 48.9                                                                              | 51.4*                                                                             | 32.1                                                                              | 45.6*                                                                             | 23.6                                                                              | 35.9*                                                                             | 18.4                                                                              | 27.8                                                                              |                                                                                   |                                                                                   | 15.8                                                                                | 20.7* | 33.7" |
|                | HD-V                                                                              | -1.5 m t                                                                          | 15.0*                                                                             | 15.0*                                                                             | 22.6                                                                              | 27.8*                                                                             | 14.7                                                                              | 21.2*                                                                             | 10.8                                                                              | 16.7*                                                                             | 8.5                                                                               | 12.8                                                                              |                                                                                   |                                                                                     | 7.6   | 10.8* |
| -5 ft lb       |                                                                                   | 33.8*                                                                             | 33.8*                                                                             | 48.6                                                                              | 61.5*                                                                             | 31.7                                                                              | 45.9*                                                                             | 23.3                                                                              | 36.0                                                                              | 18.3                                                                              | 27.7                                                                              |                                                                                   |                                                                                   | 16.9                                                                                | 23.9* | 31.1" |
| -3.0 m t       |                                                                                   | 22.4*                                                                             | 22.4*                                                                             | 22.8                                                                              | 26.5*                                                                             | 14.7                                                                              | 20.2*                                                                             | 10.8                                                                              | 15.9*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 8.6                                                                                 | 12.5* | 9.0   |
| -10 ft lb      |                                                                                   | 50.7*                                                                             | 50.7*                                                                             | 49.0                                                                              | 57.3*                                                                             | 31.7                                                                              | 43.7*                                                                             | 23.3                                                                              | 34.4*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 19.0                                                                                | 27.7* | 29.4" |
| -4.5 m t       |                                                                                   | 30.8*                                                                             | 30.8*                                                                             | 23.0*                                                                             | 23.0*                                                                             | 15.0                                                                              | 17.8*                                                                             | 11.1                                                                              | 13.6*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 10.5                                                                                | 12.6* | 7.8   |
| -15 ft lb      |                                                                                   | 66.4*                                                                             | 66.4*                                                                             | 49.6*                                                                             | 49.6*                                                                             | 32.3                                                                              | 38.2*                                                                             | 23.9                                                                              | 28.9*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 23.4                                                                                | 27.8* | 25.6" |
| -6.0 m t       |                                                                                   |                                                                                   |                                                                                   | 16.9*                                                                             | 16.9*                                                                             | 12.4*                                                                             | 12.4*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 12.0*                                                                               | 12.0* | 6.1   |
| -20 ft lb      |                                                                                   |                                                                                   |                                                                                   | 35.6*                                                                             | 35.6*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 26.1*                                                                               | 26.1* | 19.8" |
| 9.0 m t        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 7.9*                                                                                | 7.9*  | 8.2   |
| 30 ft lb       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 17.6*                                                                               | 17.6* | 26.7" |
| 7.5 m t        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 9.2*                                                                              | 9.2*                                                                              |                                                                                   |                                                                                   | 7.6*                                                                                | 7.6*  | 9.2   |
| 25 ft lb       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 18.1*                                                                             | 18.1*                                                                             |                                                                                   |                                                                                   | 16.8*                                                                               | 16.8* | 30.1" |
| 6.0 m t        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 11.9*                                                                             | 11.9*                                                                             | 10.0                                                                              | 11.2*                                                                             |                                                                                   |                                                                                   | 7.6*                                                                                | 7.6*  | 9.9   |
| 20 ft lb       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 26.0*                                                                             | 26.0*                                                                             | 21.4                                                                              | 24.6*                                                                             |                                                                                   |                                                                                   | 16.6*                                                                               | 16.6* | 32.5" |
| 4.5 m t        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 15.5*                                                                             | 15.5*                                                                             | 12.8                                                                              | 13.2*                                                                             | 9.7                                                                               | 11.9*                                                                             |                                                                                   |                                                                                   | 7.7*                                                                                | 7.7*  | 10.3  |
| 15 ft lb       |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 33.4*                                                                             | 33.4*                                                                             | 27.5                                                                              | 28.6*                                                                             | 20.9                                                                              | 25.9*                                                                             |                                                                                   |                                                                                   | 16.9*                                                                             | 16.9*                                                                               | 33.1" |       |
| 3.0 m t        |                                                                                   |                                                                                   | 25.0*                                                                             | 25.0*                                                                             | 16.8                                                                              | 18.0*                                                                             | 12.2                                                                              | 14.6*                                                                             | 9.4                                                                               | 12.6*                                                                             | 7.5                                                                               | 8.3*                                                                              | 7.4                                                                               | 8.0*                                                                                | 10.5  |       |
| 10 ft lb       |                                                                                   |                                                                                   | 53.6*                                                                             | 53.6*                                                                             | 36.3                                                                              | 38.9*                                                                             | 26.4                                                                              | 31.6*                                                                             | 20.3                                                                              | 27.5*                                                                             |                                                                                   |                                                                                   | 16.4                                                                              | 17.6*                                                                               | 34.6" |       |
| 1.5 m t        |                                                                                   |                                                                                   | 21.5*                                                                             | 21.5*                                                                             | 16.0                                                                              | 20.0*                                                                             | 11.8                                                                              | 15.8*                                                                             | 9.1                                                                               | 13.3*                                                                             |                                                                                   |                                                                                   | 7.4                                                                               | 8.6*                                                                                | 10.5  |       |
| 5 ft lb        |                                                                                   |                                                                                   | 50.9*                                                                             | 50.9*                                                                             | 34.6                                                                              | 43.3*                                                                             | 25.4                                                                              | 34.3*                                                                             | 19.7                                                                              | 28.9*                                                                             |                                                                                   |                                                                                   | 16.2                                                                              | 18.9*                                                                               | 34.5" |       |
| 0 m t          | 9.1*                                                                              | 9.1*                                                                              | 22.5*                                                                             | 22.5*                                                                             | 15.6                                                                              | 21.1*                                                                             | 11.4                                                                              | 16.6*                                                                             | 8.9                                                                               | 13.5                                                                              |                                                                                   |                                                                                   | 7.5                                                                               | 9.5*                                                                                | 10.2  |       |
| 0 ft lb        | 20.6*                                                                             | 20.6*                                                                             | 51.1                                                                              | 51.9*                                                                             | 33.5                                                                              | 45.7*                                                                             | 24.7                                                                              | 35.9*                                                                             | 19.3                                                                              | 29.2                                                                              |                                                                                   |                                                                                   | 16.6                                                                              | 20.9*                                                                               | 33.7" |       |
| -1.5 m t       | 15.5*                                                                             | 15.5*                                                                             | 23.6                                                                              | 28.3*                                                                             | 15.4                                                                              | 21.1*                                                                             | 11.3                                                                              | 16.7*                                                                             | 8.9                                                                               | 13.5                                                                              |                                                                                   |                                                                                   | 8.1                                                                               | 10.9*                                                                               | 9.7   |       |
| -5 ft lb       | 34.9*                                                                             | 34.9*                                                                             | 50.8                                                                              | 61.3*                                                                             | 33.1                                                                              | 45.8*                                                                             | 24.4                                                                              | 36.1*                                                                             | 19.1                                                                              | 29.0                                                                              |                                                                                   |                                                                                   | 17.8                                                                              | 24.2*                                                                               | 31.1" |       |
| -3.0 m t       | 23.0*                                                                             | 23.0*                                                                             | 23.8                                                                              | 26.3*                                                                             | 15.4                                                                              | 20.1*                                                                             | 11.3                                                                              | 15.8*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 9.1                                                                               | 12.6*                                                                               | 9.0   |       |
| -10 ft lb      | 52.0*                                                                             | 52.0*                                                                             | 51.2                                                                              | 56.9*                                                                             | 33.2                                                                              | 43.5*                                                                             | 24.4                                                                              | 34.2*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 20.1                                                                              | 27.7*                                                                               | 29.4" |       |
| -4.5 m t       | 30.3*                                                                             | 30.3*                                                                             | 22.7*                                                                             | 22.7*                                                                             | 15.7                                                                              | 17.5*                                                                             | 11.6                                                                              | 13.3*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 11.1                                                                              | 12.6*                                                                               | 7.8   |       |
| -15 ft lb      | 65.3*                                                                             | 65.3*                                                                             | 48.9*                                                                             | 48.9*                                                                             | 33.9                                                                              | 37.7*                                                                             | 25.1                                                                              | 28.2*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 24.9                                                                              | 27.8*                                                                               | 25.6" |       |
| -6.0 m t       |                                                                                   |                                                                                   | 16.3*                                                                             | 16.3*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 11.8*                                                                             | 11.8*                                                                               | 6.1   |       |
| -20 ft lb      |                                                                                   |                                                                                   | 34.2*                                                                             | 34.2*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 25.8*                                                                             | 25.8*                                                                               | 19.8" |       |

 Height  Can be swung through 360°  In longitudinal position of undercarriage  Max. reach \* Limited by hydr. capacity

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm / 24" wide track pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via \*). Without bucket cylinder, link and lever the lift capacities will increase by 730 kg / 1,610 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

# Lift capacities

with mono boom 7.70 m / 25'3", counterweight 9.4 t / 20,720 lb and track pads 600 mm / 24"

## Stick 2.90 m / 9'6"

| Under-carriage | Height    | 3.0m<br>10 ft              |                                           | 4.5m<br>15 ft              |                                           | 6.0m<br>20 ft              |                                           | 7.5m<br>25 ft              |                                           | 9.0m<br>30 ft              |                                           | 10.5m<br>35 ft             |                                           | m<br>ft in        |
|----------------|-----------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|-------------------|
|                |           | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage |                   |
| HD             | 9.0m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 10.4 11.4* 8.1    |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           | 25.8 26.0*                 |                                           |                            |                                           |                            |                                           | 23.6 25.3* 26'4"  |
|                | 7.5m t    |                            |                                           |                            |                                           |                            |                                           | 11.9 12.0*                 | 8.8 11.5*                                 |                            |                                           |                            |                                           | 8.5 10.9* 9.2     |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           | 25.5 26.2*                 |                                           |                            |                                           |                            |                                           | 19.0 24.1* 29'10" |
|                | 6.0m t    |                            |                                           |                            |                                           | 15.1* 15.1*                | 11.4 12.9*                                |                            | 8.6 11.7*                                 |                            |                                           |                            |                                           | 7.4 10.8* 9.8     |
|                | 20 ft lb  |                            |                                           |                            |                                           | 32.6* 32.6*                | 24.6 28.0*                                | 18.6 25.6*                 |                                           |                            |                                           |                            |                                           | 16.5 23.7* 32'2"  |
|                | 4.5m t    |                            |                                           |                            |                                           | 14.9 17.5*                 | 10.9 14.1*                                | 8.3 12.3*                  |                                           |                            |                                           |                            |                                           | 6.8 10.2 10.3     |
|                | 15 ft lb  |                            |                                           |                            |                                           | 32.2 37.7*                 | 23.5 30.6*                                | 18.0 26.8*                 |                                           |                            |                                           |                            |                                           | 15.1 22.7 33'7"   |
|                | 3.0m t    |                            |                                           |                            |                                           | 13.9 19.7*                 | 10.3 15.3*                                | 8.0 12.2                   |                                           |                            |                                           |                            |                                           | 6.5 9.8 10.4      |
|                | 10 ft lb  |                            |                                           |                            |                                           | 30.1 42.4*                 | 22.4 33.2*                                | 17.4 26.4                  |                                           |                            |                                           |                            |                                           | 14.3 21.7 34'4"   |
| HD-V           | 1.5m t    |                            |                                           |                            |                                           | 13.4 20.8*                 | 9.9 15.6                                  | 7.8 12.0                   |                                           |                            |                                           |                            |                                           | 6.4 9.7 10.4      |
|                | 5 ft lb   |                            |                                           |                            |                                           | 28.9 45.1*                 | 21.5 33.6                                 | 16.8 25.8                  |                                           |                            |                                           |                            |                                           | 14.1 21.5 34'2"   |
|                | 0m t      |                            |                                           |                            |                                           | 13.2 21.0*                 | 9.7 15.3                                  | 7.7 11.8                   |                                           |                            |                                           |                            |                                           | 6.6 10.0 10.2     |
|                | 0 ft lb   |                            |                                           |                            |                                           | 28.4 45.5*                 | 21.0 33.1                                 | 16.5 25.5                  |                                           |                            |                                           |                            |                                           | 14.5 22.1 33'4"   |
|                | -1.5m t   |                            |                                           | 18.4* 18.4*                | 13.2 20.3*                                | 9.7 15.3                   | 7.6 11.8                                  |                            |                                           |                            |                                           |                            |                                           | 7.0 10.7 9.7      |
|                | -5 ft lb  |                            |                                           | 42.5* 42.5*                | 28.4 44.1*                                | 20.9 32.9                  | 16.5 25.4                                 |                            |                                           |                            |                                           |                            |                                           | 15.5 23.7 31'7"   |
|                | -3.0m t   | 19.6* 19.6*                | 20.8 23.2*                                | 13.3 18.8*                 | 9.8 15.2*                                 |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 7.9 12.7 8.9      |
|                | -10 ft lb | 44.5* 44.5*                | 44.8 50.5*                                | 28.7 40.8*                 | 21.1 32.8*                                |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 17.6 26.8* 29'    |
|                | -4.5m t   | 23.3* 23.3*                | 19.7* 19.7*                               | 13.7 16.1*                 | 10.1 12.5*                                |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 9.8 11.8* 7.7     |
|                | -15 ft lb | 50.5* 50.5*                | 42.6* 42.6*                               | 29.6 34.6*                 | 22.0 26.3*                                |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 21.9 26.0* 25'1"  |
| HD-V           | -6.0m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                   |
|                | -20 ft lb |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                   |
|                | 9.0m t    |                            |                                           |                            |                                           |                            |                                           | 25.9* 25.9*                |                                           |                            |                                           |                            |                                           | 10.7 11.3* 8.1    |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           | 12.1* 12.1*                | 9.2 11.5*                                 |                            |                                           |                            |                                           | 24.2 25.2* 26'4"  |
|                | 7.5m t    |                            |                                           |                            |                                           |                            |                                           | 26.3* 26.3*                | 19.7 24.1*                                |                            |                                           |                            |                                           | 8.8 10.9* 9.2     |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           | 15.3* 15.3*                | 11.9 13.0*                                | 9.0 11.8*                  |                                           |                            |                                           | 19.7 24.0* 29'10" |
|                | 6.0m t    |                            |                                           |                            |                                           | 32.9* 32.9*                | 25.7 28.2*                                | 19.4 25.7*                 |                                           |                            |                                           |                            |                                           | 7.7 10.8* 9.8     |
|                | 20 ft lb  |                            |                                           |                            |                                           | 32.9* 32.9*                | 25.7 28.2*                                | 19.4 25.7*                 |                                           |                            |                                           |                            |                                           | 17.2 23.7* 32'2"  |
|                | 4.5m t    |                            |                                           |                            |                                           | 15.5 17.7*                 | 11.3 14.2*                                | 8.7 12.4*                  |                                           |                            |                                           |                            |                                           | 7.1 10.7 10.3     |
|                | 15 ft lb  |                            |                                           |                            |                                           | 33.5 38.0*                 | 24.5 30.8*                                | 18.8 26.9*                 |                                           |                            |                                           |                            |                                           | 15.7 23.7 33'7"   |

## Stick 3.35 m / 11'

| Under-carriage | Height    | 3.0m<br>10 ft              |                                           | 4.5m<br>15 ft              |                                           | 6.0m<br>20 ft              |                                           | 7.5m<br>25 ft              |                                           | 9.0m<br>30 ft              |                                           | 10.5m<br>35 ft             |                                           | m<br>ft in        |
|----------------|-----------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|-------------------|
|                |           | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage |                   |
| HD             | 9.0m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 9.4 9.6* 8.7      |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 21.2* 21.2* 28'1" |
|                | 7.5m t    |                            |                                           |                            |                                           |                            |                                           |                            | 8.8 10.8*                                 |                            |                                           |                            |                                           | 7.8 9.2* 9.6      |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            | 19.0 23.7*                                |                            |                                           |                            |                                           | 17.5 20.3* 31'5"  |
|                | 6.0m t    |                            |                                           |                            |                                           |                            |                                           | 11.5 12.2*                 | 8.6 11.1*                                 |                            |                                           |                            |                                           | 6.9 9.1* 10.3     |
|                | 20 ft lb  |                            |                                           |                            |                                           |                            |                                           | 24.8 26.6*                 | 18.6 24.3*                                |                            |                                           |                            |                                           | 15.3 20.0* 33'7"  |
|                | 4.5m t    |                            |                                           |                            |                                           | 15.1 16.6*                 | 10.9 13.5*                                | 8.3 11.8*                  | 6.5 9.8                                   |                            |                                           |                            |                                           | 6.3 9.2* 10.7     |
|                | 15 ft lb  |                            |                                           |                            |                                           | 32.5 35.7*                 | 23.6 29.3*                                | 17.9 25.7*                 | 14.0 20.3*                                |                            |                                           |                            |                                           | 14.0 20.3* 35'    |
|                | 3.0m t    |                            |                                           |                            |                                           | 14.0 18.9*                 | 10.3 14.8*                                | 8.0 12.2                   | 6.4 9.7                                   |                            |                                           |                            |                                           | 6.0 9.2 10.9      |
|                | 10 ft lb  |                            |                                           |                            |                                           | 30.3 40.7*                 | 22.3 32.1*                                | 17.2 26.3                  | 13.7 20.8                                 |                            |                                           |                            |                                           | 13.3 20.3 35'7"   |
| HD-V           | 1.5m t    |                            |                                           |                            |                                           | 13.4 20.4*                 | 9.9 15.6                                  | 7.7 11.9                   | 6.2 9.5                                   |                            |                                           |                            |                                           | 6.0 9.1 10.8      |
|                | 5 ft lb   |                            |                                           |                            |                                           | 28.8 44.0*                 | 21.4 33.5                                 | 16.7 25.7                  | 13.4 20.5                                 |                            |                                           |                            |                                           | 13.1 20.1 35'6"   |
|                | 0m t      |                            |                                           |                            |                                           | 10.3* 10.3*                | 13.0 20.8*                                | 9.6 15.2                   | 7.5 11.7                                  |                            |                                           |                            |                                           | 6.1 9.3 10.6      |
|                | 0 ft lb   |                            |                                           |                            |                                           | 24.4* 24.4*                | 28.1 45.2*                                | 20.7 32.8                  | 16.3 25.2                                 |                            |                                           |                            |                                           | 13.4 20.6 34'8"   |
|                | -1.5m t   | 8.9* 8.9*                  | 18.1* 18.1*                               | 13.0 20.5*                 | 9.5 15.1                                  | 7.5 11.6                   |                                           |                            |                                           |                            |                                           |                            |                                           | 6.5 9.9 10.1      |
|                | -5 ft lb  | 20.5* 20.5*                | 41.8* 41.8*                               | 27.9 44.4*                 | 20.5 32.6                                 | 16.1 25.1                  |                                           |                            |                                           |                            |                                           |                            |                                           | 14.2 21.9 33'1"   |
|                | -3.0m t   | 18.0* 18.0*                | 20.5 24.3*                                | 13.1 19.2*                 | 9.6 15.2                                  | 7.6 11.7                   |                                           |                            |                                           |                            |                                           |                            |                                           | 7.2 11.1 9.4      |
|                | -10 ft lb | 40.7* 40.7*                | 43.9 52.8*                                | 28.2 41.7*                 | 20.6 32.7                                 | 16.4 25.3                  |                                           |                            |                                           |                            |                                           |                            |                                           | 16.0 24.7 30'7"   |
|                | -4.5m t   | 26.2* 26.2*                | 20.9 21.1*                                | 13.4 16.9*                 | 9.8 13.4*                                 |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 8.7 11.5* 8.3     |
|                | -15 ft lb | 56.8* 56.8*                | 45.0 45.6*                                | 28.9 36.5*                 | 21.3 28.7*                                |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 19.4 25.3* 27'    |
| HD-V           | -6.0m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                   |
|                | -20 ft lb |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                   |
|                | 9.0m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 9.5* 9.5* 8.7     |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 21.2* 21.2* 28'1" |
|                | 7.5m t    |                            |                                           |                            |                                           |                            |                                           |                            | 9.2 10.8*                                 |                            |                                           |                            |                                           | 8.1 9.2* 9.6      |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            | 19.8 23.7*                                |                            |                                           |                            |                                           | 18.1 20.3* 31'5"  |
|                | 6.0m t    |                            |                                           |                            |                                           |                            |                                           | 11.9 12.3*                 | 9.0 11.2*                                 |                            |                                           |                            |                                           | 7.2 9.1* 10.3     |
|                | 20 ft lb  |                            |                                           |                            |                                           |                            |                                           | 25.8 26.8*                 | 19.4 24.4*                                |                            |                                           |                            |                                           | 15.9 20.0* 33'7"  |
|                | 4.5m t    |                            |                                           |                            |                                           | 15.6 16.7*                 | 11.4 13.6*                                | 8.7 11.9*                  | 6.8 10.4                                  |                            |                                           |                            |                                           | 6.6 9.2* 10.7     |
|                | 15 ft lb  |                            |                                           |                            |                                           | 33.8 36.1*                 | 24.5 29.5*                                | 18.8 25.8*                 | 14.7 20.9*                                |                            |                                           |                            |                                           | 14.7 20.3* 35'    |



Height



Can be slewed through 360°



In longitudinal position of undercarriage



Max. reach

\* Limited by hydr. capacity

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm / 24" wide track pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via \*). Without bucket cylinder, link and lever the lift capacities will increase by 730 kg / 1,610 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

## Stick 3.90 m / 12'10"

| Under-carriage |  | 3.0m<br>10ft                                                                      |                                                                                   | 4.5m<br>15ft                                                                      |                                                                                   | 6.0m<br>20ft                                                                      |                                                                                   | 7.5m<br>25ft                                                                      |                                                                                   | 9.0m<br>30ft                                                                      |                                                                                   | 10.5m<br>35ft                                                                     |                                                                                   |  |       | m<br>ft in |        |
|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|------------|--------|
|                |                                                                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |       |            |        |
| HD             | 9.0m t                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 8.6°                                                                              | 8.6°                                                                              |                                                                                   |                                                                                   | 7.8°  | 7.8°       | 9.1    |
|                | 30ft lb                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 17.3° | 17.3°      | 29°8"  |
|                | 7.5m t                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 8.9                                                                               | 10.0°                                                                             |                                                                                   |                                                                                   |                                                                                   | 7.3   | 7.6°       | 10.1   |
|                | 25ft lb                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 19.1                                                                              | 21.9°                                                                             |                                                                                   |                                                                                   |                                                                                   | 16.2  | 16.7°      | 32°10" |
|                | 6.0m t                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 11.4°                                                                             | 11.4°                                                                             | 8.6                                                                               | 10.4°                                                                             | 6.6                                                                               | 8.8°                                                                              |                                                                                   | 6.4   | 7.6°       | 10.7   |
|                | 20ft lb                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 24.8°                                                                             | 24.8°                                                                             | 18.6                                                                              | 22.8°                                                                             |                                                                                   |                                                                                   |                                                                                   | 14.3  | 16.7°      | 35°    |
|                | 4.5m t                                                                            |                                                                                   |                                                                                   | 20.9°                                                                             | 20.9°                                                                             | 15.3                                                                              | 15.4°                                                                             | 11.0                                                                              | 12.7°                                                                             | 8.3                                                                               | 11.2°                                                                             | 6.5                                                                               | 9.8                                                                               | 5.9                                                                               | 7.7°  | 11.1       |        |
|                | 15ft lb                                                                           |                                                                                   |                                                                                   | 44.7°                                                                             | 44.7°                                                                             | 33.0                                                                              | 33.2°                                                                             | 23.7                                                                              | 27.6°                                                                             | 17.9                                                                              | 24.3°                                                                             | 13.9                                                                              | 21.1                                                                              | 13.1                                                                              | 17.0° | 36°4"      |        |
|                | 3.0m t                                                                            |                                                                                   |                                                                                   | 13.3°                                                                             | 13.3°                                                                             | 14.2                                                                              | 17.8°                                                                             | 10.3                                                                              | 14.1°                                                                             | 7.9                                                                               | 12.0°                                                                             | 6.3                                                                               | 9.6                                                                               | 5.6                                                                               | 8.1°  | 11.2       |        |
|                | 10ft lb                                                                           |                                                                                   |                                                                                   | 33.4°                                                                             | 33.4°                                                                             | 30.6                                                                              | 38.5°                                                                             | 22.3                                                                              | 30.5°                                                                             | 17.1                                                                              | 26.0°                                                                             | 13.5                                                                              | 20.7                                                                              | 12.4                                                                              | 17.7° | 36°11"     |        |
|                | 1.5m t                                                                            |                                                                                   |                                                                                   | 10.5°                                                                             | 10.5°                                                                             | 13.3                                                                              | 19.6°                                                                             | 9.8                                                                               | 15.3°                                                                             | 7.6                                                                               | 11.8                                                                              | 6.1                                                                               | 9.4                                                                               | 5.5                                                                               | 8.5   | 11.2       |        |
|                | 5ft lb                                                                            |                                                                                   |                                                                                   | 25.1°                                                                             | 25.1°                                                                             | 28.8                                                                              | 42.4°                                                                             | 21.2                                                                              | 33.1°                                                                             | 16.4                                                                              | 25.5                                                                              | 13.1                                                                              | 20.3                                                                              | 12.2                                                                              | 18.8  | 36°10"     |        |
|                | 0m t                                                                              |                                                                                   |                                                                                   | 13.8°                                                                             | 13.8°                                                                             | 12.9                                                                              | 20.5°                                                                             | 9.5                                                                               | 15.1                                                                              | 7.4                                                                               | 11.6                                                                              | 6.0                                                                               | 9.3                                                                               | 5.6                                                                               | 8.7   | 11.0       |        |
|                | 0ft lb                                                                            |                                                                                   |                                                                                   | 31.8°                                                                             | 31.8°                                                                             | 27.8                                                                              | 44.3°                                                                             | 20.5                                                                              | 32.6                                                                              | 15.9                                                                              | 24.9                                                                              | 12.9                                                                              | 20.0                                                                              | 12.4                                                                              | 19.2  | 36°        |        |
|                | -1.5m t                                                                           | 11.0°                                                                             | 11.0°                                                                             | 19.3°                                                                             | 19.3°                                                                             | 12.7                                                                              | 20.4°                                                                             | 9.3                                                                               | 14.9                                                                              | 7.3                                                                               | 11.4                                                                              | 5.9                                                                               | 9.2                                                                               | 5.9                                                                               | 9.2   | 10.5       |        |
| -5ft lb        | 24.8°                                                                             | 24.8°                                                                             | 42.4                                                                              | 44.1°                                                                             | 27.4                                                                              | 44.3°                                                                             | 20.1                                                                              | 32.1                                                                              | 15.7                                                                              | 24.6                                                                              |                                                                                   |                                                                                   | 13.1                                                                              | 20.3                                                                              | 34°6" |            |        |
| -3.0m t        | 17.6°                                                                             | 17.6°                                                                             | 19.9                                                                              | 25.3°                                                                             | 12.8                                                                              | 19.6°                                                                             | 9.3                                                                               | 14.9                                                                              | 7.3                                                                               | 11.5                                                                              |                                                                                   |                                                                                   | 6.6                                                                               | 10.2                                                                              | 9.8   |            |        |
| -10ft lb       | 39.7°                                                                             | 39.7°                                                                             | 42.9                                                                              | 54.8°                                                                             | 27.5                                                                              | 42.4°                                                                             | 20.1                                                                              | 32.1                                                                              | 15.8                                                                              | 24.7                                                                              |                                                                                   |                                                                                   | 14.5                                                                              | 22.6                                                                              | 32°1" |            |        |
| -4.5m t        | 25.4°                                                                             | 25.4°                                                                             | 20.4                                                                              | 22.5°                                                                             | 13.0                                                                              | 17.7°                                                                             | 9.5                                                                               | 14.1°                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 7.7                                                                               | 11.4°                                                                             | 8.8   |            |        |
| -15ft lb       | 57.6°                                                                             | 57.6°                                                                             | 43.8                                                                              | 48.6°                                                                             | 28.0                                                                              | 38.3°                                                                             | 20.5                                                                              | 30.4°                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 17.2                                                                              | 25.0°                                                                             | 28°7" |            |        |
| -6.0m t        | 22.8°                                                                             | 22.8°                                                                             | 18.1°                                                                             | 18.1°                                                                             | 13.5                                                                              | 14.3°                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 10.3                                                                              | 11.1°                                                                             | 7.3   |            |        |
| -20ft lb       | 48.8°                                                                             | 48.8°                                                                             | 38.6°                                                                             | 38.6°                                                                             | 29.2                                                                              | 30.4°                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 23.2                                                                              | 24.4°                                                                             | 23°7" |            |        |
| HD-V           | 9.0m t                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 8.9°                                                                              | 8.9°                                                                              |                                                                                   |                                                                                   | 7.8°                                                                              | 7.8°  | 9.1        |        |
|                | 30ft lb                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 17.2°                                                                             | 17.2° | 29°8"      |        |
|                | 7.5m t                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 9.3                                                                               | 10.0°                                                                             |                                                                                   |                                                                                   | 7.5                                                                               | 7.6°  | 10.1       |        |
|                | 25ft lb                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 19.9                                                                              | 21.9°                                                                             |                                                                                   |                                                                                   | 16.7°                                                                             | 16.7° | 32°10"     |        |
|                | 6.0m t                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 11.5°                                                                             | 11.5°                                                                             | 9.0                                                                               | 10.5°                                                                             | 7.0                                                                               | 9.0°                                                                              | 6.7                                                                               | 7.6°  | 10.7       |        |
|                | 20ft lb                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 24.9°                                                                             | 24.9°                                                                             | 19.4                                                                              | 22.9°                                                                             | 14.9                                                                              | 17.1°                                                                             | 14.9                                                                              | 16.7° | 35°        |        |
|                | 4.5m t                                                                            |                                                                                   |                                                                                   | 21.3°                                                                             | 21.3°                                                                             | 15.6°                                                                             | 15.6°                                                                             | 11.4                                                                              | 12.8°                                                                             | 8.7                                                                               | 11.2°                                                                             | 6.8                                                                               | 10.3°                                                                             | 6.2                                                                               | 7.7°  | 11.1       |        |
|                | 15ft lb                                                                           |                                                                                   |                                                                                   | 45.5°                                                                             | 45.5°                                                                             | 33.6°                                                                             | 33.6°                                                                             | 24.7                                                                              | 27.8°                                                                             | 18.7                                                                              | 24.4°                                                                             | 14.6                                                                              | 22.2                                                                              | 13.7                                                                              | 17.0° | 36°4"      |        |
|                | 3.0m t                                                                            |                                                                                   |                                                                                   | 12.7°                                                                             | 12.7°                                                                             | 14.8                                                                              | 18.0°                                                                             | 10.8                                                                              | 14.2°                                                                             | 8.3                                                                               | 12.0°                                                                             | 6.6                                                                               | 10.1                                                                              | 5.9                                                                               | 8.1°  | 11.2       |        |
|                | 10ft lb                                                                           |                                                                                   |                                                                                   | 31.8°                                                                             | 31.8°                                                                             | 31.9                                                                              | 38.8°                                                                             | 23.3                                                                              | 30.7°                                                                             | 17.9                                                                              | 26.2°                                                                             | 14.2                                                                              | 21.8                                                                              | 13.1                                                                              | 17.8° | 36°11"     |        |
|                | 1.5m t                                                                            |                                                                                   |                                                                                   | 10.7°                                                                             | 10.7°                                                                             | 14.0                                                                              | 19.7°                                                                             | 10.3                                                                              | 15.3°                                                                             | 8.0                                                                               | 12.4                                                                              | 6.4                                                                               | 9.9                                                                               | 5.8                                                                               | 8.6°  | 11.2       |        |
|                | 5ft lb                                                                            |                                                                                   |                                                                                   | 25.3°                                                                             | 25.3°                                                                             | 30.1                                                                              | 42.6°                                                                             | 22.2                                                                              | 33.2°                                                                             | 17.3                                                                              | 26.8                                                                              | 13.8                                                                              | 21.4                                                                              | 12.9                                                                              | 19.0° | 36°10"     |        |
|                | 0m t                                                                              |                                                                                   |                                                                                   | 14.1°                                                                             | 14.1°                                                                             | 13.5                                                                              | 20.5°                                                                             | 10.0                                                                              | 15.9                                                                              | 7.8                                                                               | 12.2                                                                              | 6.3                                                                               | 9.8                                                                               | 5.9                                                                               | 9.2   | 11.0       |        |
|                | 0ft lb                                                                            |                                                                                   |                                                                                   | 32.5°                                                                             | 32.5°                                                                             | 29.2                                                                              | 44.4°                                                                             | 21.5                                                                              | 34.3                                                                              | 16.8                                                                              | 26.2                                                                              | 13.6                                                                              | 21.1                                                                              | 13.1                                                                              | 20.3  | 36°        |        |
|                | -1.5m t                                                                           | 11.5°                                                                             | 11.5°                                                                             | 19.8°                                                                             | 19.8°                                                                             | 13.4                                                                              | 20.4°                                                                             | 9.8                                                                               | 15.7                                                                              | 7.7                                                                               | 12.1                                                                              |                                                                                   |                                                                                   | 6.3                                                                               | 9.8   | 10.5       |        |
| -5ft lb        | 25.8°                                                                             | 25.8°                                                                             | 44.6                                                                              | 45.2°                                                                             | 28.8                                                                              | 44.2°                                                                             | 21.2                                                                              | 33.9                                                                              | 16.6                                                                              | 26.0                                                                              |                                                                                   |                                                                                   | 13.9                                                                              | 21.6                                                                              | 34°6" |            |        |
| -3.0m t        | 18.1°                                                                             | 18.1°                                                                             | 21.0                                                                              | 25.1°                                                                             | 13.4                                                                              | 19.5°                                                                             | 9.8                                                                               | 15.5°                                                                             | 7.7                                                                               | 12.1                                                                              |                                                                                   |                                                                                   | 7.0                                                                               | 10.9                                                                              | 9.8   |            |        |
| -10ft lb       | 40.8°                                                                             | 40.8°                                                                             | 45.1                                                                              | 54.5°                                                                             | 29.0                                                                              | 42.2°                                                                             | 21.2                                                                              | 33.6°                                                                             | 16.6                                                                              | 26.1                                                                              |                                                                                   |                                                                                   | 15.4                                                                              | 24.1                                                                              | 32°1" |            |        |
| -4.5m t        | 26.1°                                                                             | 26.1°                                                                             | 21.4                                                                              | 22.2°                                                                             | 13.7                                                                              | 17.6°                                                                             | 10.0                                                                              | 14.0°                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 8.3                                                                               | 11.4°                                                                             | 8.8   |            |        |
| -15ft lb       | 59.1°                                                                             | 59.1°                                                                             | 46.0                                                                              | 48.1°                                                                             | 29.6                                                                              | 37.9°                                                                             | 21.6                                                                              | 30.0°                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 18.4                                                                              | 25.0°                                                                             | 28°7" |            |        |
| -6.0m t        | 22.2°                                                                             | 22.2°                                                                             | 17.7°                                                                             | 17.7°                                                                             | 14.0°                                                                             | 14.0°                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 11.0°                                                                             | 11.0°                                                                             | 7.3   |            |        |
| -20ft lb       |                                                                                   |                                                                                   | 37.7°                                                                             | 37.7°                                                                             | 29.6°                                                                             | 29.6°                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 24.2°                                                                             | 24.2°                                                                             | 23°7" |            |        |



Height



Can be slewed through 360°



In longitudinal position of undercarriage



Max. reach

\* Limited by hydr. capacity

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm / 24" wide track pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via \*). Without bucket cylinder, link and lever the lift capacities will increase by 730 kg / 1,610 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

# Lift capacities

with mono boom 7.70 m / 25'3", counterweight 10.9 t / 24,030 lb and track pads 600 mm / 24"

## Stick 2.90 m / 9'6"

| Under-carriage | Height    | 3.0m<br>10 ft              |                                           | 4.5m<br>15 ft              |                                           | 6.0m<br>20 ft              |                                           | 7.5m<br>25 ft              |                                           | 9.0m<br>30 ft              |                                           | 10.5m<br>35 ft             |                                           | Max. reach | ft in  |
|----------------|-----------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|------------|--------|
|                |           | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage |            |        |
| HD             | 9.0m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 11.3       | 8.1    |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           | 26.0*                      | 26.0*                                     |                            |                                           |                            |                                           | 25.3*      | 26.4"  |
|                | 7.5m t    |                            |                                           |                            |                                           |                            |                                           | 12.0*                      | 12.0*                                     | 9.5                        | 11.5*                                     |                            |                                           | 9.3        | 9.2    |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           | 26.2*                      | 26.2*                                     |                            |                                           |                            |                                           | 20.7       | 29'10" |
|                | 6.0m t    |                            |                                           |                            |                                           | 15.1*                      | 15.1*                                     | 12.4                       | 12.9*                                     | 9.4                        | 11.7*                                     |                            |                                           | 8.1        | 9.8    |
|                | 20 ft lb  |                            |                                           |                            |                                           | 32.6*                      | 32.6*                                     | 26.7                       | 28.0*                                     | 20.2                       | 25.6*                                     |                            |                                           | 18.0       | 32'2"  |
|                | 4.5m t    |                            |                                           |                            |                                           | 16.2                       | 17.5*                                     | 11.8                       | 14.1*                                     | 9.1                        | 12.3*                                     |                            |                                           | 7.5        | 10.3   |
|                | 15 ft lb  |                            |                                           |                            |                                           | 35.0                       | 37.7*                                     | 25.6                       | 30.6*                                     | 19.6                       | 26.8*                                     |                            |                                           | 16.5       | 33'7"  |
|                | 3.0m t    |                            |                                           |                            |                                           | 15.2                       | 19.7*                                     | 11.3                       | 15.3*                                     | 8.8                        | 13.0*                                     |                            |                                           | 7.1        | 10.4   |
|                | 10 ft lb  |                            |                                           |                            |                                           | 32.9                       | 42.4*                                     | 24.4                       | 33.2*                                     | 19.0                       | 28.2*                                     |                            |                                           | 15.7       | 34'4"  |
| HD-V           | 1.5m t    |                            |                                           |                            |                                           | 14.7                       | 20.8*                                     | 10.9                       | 16.2*                                     | 8.6                        | 12.9                                      |                            |                                           | 7.0        | 10.4   |
|                | 5 ft lb   |                            |                                           |                            |                                           | 31.7                       | 45.1*                                     | 23.6                       | 35.2*                                     | 18.5                       | 27.9                                      |                            |                                           | 15.5       | 34'2"  |
|                | 0m t      |                            |                                           |                            |                                           | 14.4                       | 21.0*                                     | 10.7                       | 16.6                                      | 8.4                        | 12.8                                      |                            |                                           | 7.2        | 10.2   |
|                | 0 ft lb   |                            |                                           |                            |                                           | 31.1                       | 45.5*                                     | 23.1                       | 35.7                                      | 18.2                       | 27.5                                      |                            |                                           | 15.9       | 33'4"  |
|                | -1.5m t   |                            | 18.4*                                     | 18.4*                      |                                           | 14.4                       | 20.3*                                     | 10.6                       | 16.3*                                     | 8.4                        | 12.7                                      |                            |                                           | 7.7        | 9.7    |
|                | -5 ft lb  |                            | 42.5*                                     | 42.5*                      |                                           | 31.1                       | 44.1*                                     | 22.9                       | 35.3*                                     | 18.1                       | 27.5                                      |                            |                                           | 17.0       | 31'7"  |
|                | -3.0m t   | 19.6*                      | 19.6*                                     | 22.8                       | 23.2*                                     | 14.6                       | 18.8*                                     | 10.7                       | 15.2*                                     |                            |                                           |                            |                                           | 8.7        | 8.9    |
|                | -10 ft lb | 44.5*                      | 44.5*                                     | 48.9                       | 50.5*                                     | 31.5                       | 40.8*                                     | 23.2                       | 32.8*                                     |                            |                                           |                            |                                           | 19.3       | 29'    |
|                | -4.5m t   | 23.3*                      | 23.3*                                     | 19.7*                      | 19.7*                                     | 15.0                       | 16.1*                                     | 11.1                       | 12.5*                                     |                            |                                           |                            |                                           | 10.7       | 7.7    |
|                | -15 ft lb | 50.5*                      | 50.5*                                     | 42.6*                      | 42.6*                                     | 32.3                       | 34.6*                                     | 24.1                       | 26.3*                                     |                            |                                           |                            |                                           | 23.9       | 25'1"  |
| HD-V           | -6.0m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |            |        |
|                | -20 ft lb |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |            |        |
|                | 9.0m t    |                            |                                           |                            |                                           |                            |                                           | 25.9*                      | 25.9*                                     |                            |                                           |                            |                                           | 11.3       | 8.1    |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           | 12.1*                      | 12.1*                                     | 9.9                        | 11.5*                                     |                            |                                           | 25.2*      | 26'4"  |
|                | 7.5m t    |                            |                                           |                            |                                           |                            |                                           | 12.1*                      | 12.1*                                     | 9.5                        | 10.9*                                     |                            |                                           | 9.5        | 9.2    |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           | 26.3*                      | 26.3*                                     | 21.3                       | 24.1*                                     |                            |                                           | 21.3       | 29'10" |
|                | 6.0m t    |                            |                                           |                            |                                           | 15.3*                      | 15.3*                                     | 12.8                       | 13.0*                                     | 9.8                        | 11.8*                                     |                            |                                           | 8.4        | 9.8    |
|                | 20 ft lb  |                            |                                           |                            |                                           | 32.9*                      | 32.9*                                     | 27.7                       | 28.2*                                     | 21.0                       | 25.7*                                     |                            |                                           | 18.7       | 32'2"  |
|                | 4.5m t    |                            |                                           |                            |                                           | 16.8                       | 17.7*                                     | 12.3                       | 14.2*                                     | 9.5                        | 12.4*                                     |                            |                                           | 7.8        | 10.3   |
|                | 15 ft lb  |                            |                                           |                            |                                           | 36.3                       | 38.0*                                     | 26.6                       | 30.8*                                     | 20.5                       | 26.9*                                     |                            |                                           | 17.2       | 33'7"  |
| HD-V           | 3.0m t    |                            |                                           |                            |                                           | 15.8                       | 19.8*                                     | 11.8                       | 15.4*                                     | 9.2                        | 13.0*                                     |                            |                                           | 7.4        | 10.4   |
|                | 10 ft lb  |                            |                                           |                            |                                           | 34.2                       | 42.6*                                     | 25.4                       | 33.4*                                     | 19.8                       | 28.3*                                     |                            |                                           | 16.4       | 34'4"  |
|                | 1.5m t    |                            |                                           |                            |                                           | 15.3                       | 20.9*                                     | 11.4                       | 16.3*                                     | 9.0                        | 13.5*                                     |                            |                                           | 7.4        | 10.4   |
|                | 5 ft lb   |                            |                                           |                            |                                           | 33.0                       | 45.2*                                     | 24.6                       | 35.3*                                     | 19.3                       | 29.2                                      |                            |                                           | 16.3       | 34'2"  |
|                | 0m t      |                            |                                           |                            |                                           | 15.1                       | 21.0*                                     | 11.2                       | 16.6*                                     | 8.8                        | 13.4                                      |                            |                                           | 7.6        | 10.2   |
|                | 0 ft lb   |                            |                                           |                            |                                           | 32.6                       | 45.5*                                     | 24.1                       | 36.0*                                     | 19.0                       | 28.9                                      |                            |                                           | 16.7       | 33'4"  |
|                | -1.5m t   |                            | 19.2*                                     | 19.2*                      |                                           | 15.1                       | 20.2*                                     | 11.1                       | 16.3*                                     | 8.8                        | 13.3*                                     |                            |                                           | 8.1        | 9.7    |
|                | -5 ft lb  |                            | 44.3*                                     | 44.3*                      |                                           | 32.6                       | 44.0*                                     | 24.0                       | 35.2*                                     | 19.0                       | 28.7*                                     |                            |                                           | 18.0       | 31'7"  |
|                | -3.0m t   | 20.4*                      | 20.4*                                     | 23.0*                      | 23.0*                                     | 15.3                       | 18.7*                                     | 11.2                       | 15.1*                                     |                            |                                           |                            |                                           | 9.2        | 8.9    |
|                | -10 ft lb | 46.3*                      | 46.3*                                     | 50.1*                      | 50.1*                                     | 33.0                       | 40.5*                                     | 24.3                       | 32.5*                                     |                            |                                           |                            |                                           | 20.4       | 29'    |
| HD-V           | -4.5m t   | 22.9*                      | 22.9*                                     | 19.4*                      | 19.4*                                     | 15.7                       | 15.8*                                     | 11.6                       | 12.2*                                     |                            |                                           |                            |                                           | 11.4       | 7.7    |
|                | -15 ft lb | 49.6*                      | 49.6*                                     | 41.9*                      | 41.9*                                     | 33.9                       | 34.0*                                     |                            |                                           |                            |                                           |                            |                                           | 25.5       | 25'1"  |
|                | -6.0m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |            |        |
|                | -20 ft lb |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |            |        |

## Stick 3.35 m / 11'

| Under-carriage | Height    | 3.0m<br>10 ft              |                                           | 4.5m<br>15 ft              |                                           | 6.0m<br>20 ft              |                                           | 7.5m<br>25 ft              |                                           | 9.0m<br>30 ft              |                                           | 10.5m<br>35 ft             |                                           | Max. reach | ft in |
|----------------|-----------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|------------|-------|
|                |           | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage |            |       |
| HD             | 9.0m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 9.6*       | 8.7   |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 21.2*      | 28'1" |
|                | 7.5m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 9.6                        | 10.8*                                     |                            |                                           | 8.5        | 9.6   |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 20.6                       | 23.7*                                     |                            |                                           | 19.0       | 31'5" |
|                | 6.0m t    |                            |                                           |                            |                                           |                            |                                           | 12.2*                      | 12.2*                                     | 9.4                        | 11.1*                                     |                            |                                           | 7.5        | 10.3  |
|                | 20 ft lb  |                            |                                           |                            |                                           |                            |                                           | 26.6*                      | 26.6*                                     | 20.2                       | 24.3*                                     |                            |                                           | 16.7       | 33'7" |
|                | 4.5m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 7.2                        | 10.6                                      |                            |                                           | 7.0        | 10.7  |
|                | 15 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 15.4                       | 20.3*                                     |                            |                                           | 15.4       | 35'   |
|                | 3.0m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 8.8                        | 12.5*                                     |                            |                                           | 6.6        | 10.9  |
|                | 10 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 18.9                       | 27.3*                                     |                            |                                           | 14.7       | 35'7" |
| HD-V           | 1.5m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 15.1                       | 22.5                                      |                            |                                           | 14.7       | 35'7" |
|                | 5 ft lb   |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 14.8                       | 22.2                                      |                            |                                           | 14.5       | 35'6" |
|                | 0m t      |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 6.8                        | 10.2                                      |                            |                                           | 6.7        | 10.6  |
|                | 0 ft lb   |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 14.8                       | 22.3                                      |                            |                                           | 14.8       | 34'8" |
|                | -1.5m t   | 8.9*                       | 8.9*                                      | 18.1*                      | 18.1*                                     | 14.2                       | 20.5*                                     | 10.5                       | 16.3*                                     | 8.2                        | 12.6                                      |                            |                                           | 7.1        | 10.8  |
|                | -5 ft lb  | 20.5*                      | 20.5*                                     | 41.8*                      | 41.8*                                     | 30.7                       | 44.4*                                     | 22.6                       | 35.2*                                     | 17.8                       | 27.1                                      |                            |                                           | 15.7       | 33'1" |
|                | -3.0m t   | 18.0*                      | 18.0*                                     | 22.4                       | 24.3*                                     | 14.4                       | 19.2*                                     | 10.5                       | 15.5*                                     | 8.3                        | 12.4*                                     |                            |                                           | 7.9        | 9.4   |
|                | -10 ft lb | 40.7*                      | 40.7*                                     | 48.1                       | 52.8*                                     | 31.0                       | 41.7*                                     | 22.7                       | 33.4*                                     | 18.0                       | 26.6*                                     |                            |                                           | 17.6       | 30'7" |
|                | -4.5m t   | 26.2*                      | 26.2*                                     | 21.1*                      | 21.1*                                     | 14.7                       | 16.9*                                     | 10.8                       | 13.4*                                     |                            |                                           |                            |                                           | 9.5        | 8.3   |
|                | -15 ft lb | 56.8*                      | 56.8*                                     | 45.6*                      | 45.6*                                     | 31.6                       | 36.5*                                     | 23.3                       | 28.7*                                     |                            |                                           |                            |                                           | 21.3       | 27'   |
| HD-V           | -6.0m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 10.6*      | 6.7   |
|                | -20 ft lb |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 23.1*      | 21'7" |
|                | 9.0m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 9.5*       | 8.7   |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 21.2*      | 28'1" |
|                | 7.5m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 10.0                       | 10.8*                                     |                            |                                           | 8.8        | 9.6   |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 21.5                       | 23.7*                                     |                            |                                           | 19.6       | 31'5" |
|                | 6.0m t    |                            |                                           |                            |                                           |                            |                                           | 12.3*                      | 12.3*                                     | 9.8                        | 11.2*                                     |                            |                                           | 7.8        | 10.3  |
|                | 20 ft lb  |                            |                                           |                            |                                           |                            |                                           | 26.8*                      | 26.8*                                     | 21.1                       | 24.4*                                     |                            |                                           | 17.4       | 33'7" |
|                | 4.5m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 7.5                        | 10.9*                                     |                            |                                           | 7.3        | 10.7  |
|                | 15 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 16.1                       | 20.9*                                     |                            |                                           | 16.0       | 35'   |
| HD-V           | 3.0m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 9.1                        | 12.6*                                     |                            |                                           | 7.0        | 10.9  |
|                | 10 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 19.7                       | 27.4*                                     |                            |                                           | 15.3       | 35'7" |
|                | 1.5m t    |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 7.2                        | 10.8                                      |                            |                                           | 6.9        | 10.8  |
|                | 5 ft lb   |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 15.2                       | 22.4*                                     |                            |                                           | 15.2       | 35'6" |
|                | 0m t      |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 7.1                        | 10.7                                      |                            |                                           | 7.1        | 10.6  |
|                | 0 ft lb   |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 15.6                       | 23.5                                      |                            |                                           | 15.6       | 34'8" |
|                | -1.5m t   | 9.6*                       | 9.6*                                      | 18.8*                      | 18.8*                                     | 14.9                       | 20.4*                                     | 11.0                       | 16.3*                                     | 8.6                        | 13.2                                      |                            |                                           | 7.5        | 10.1  |
|                | -5 ft lb  | 22.0*                      | 22.0*                                     | 43.1*                      | 43.1*                                     | 32.2                       | 44.3*                                     | 23.7                       | 35.2*                                     | 18.6                       | 28.5                                      |                            |                                           | 16.6       | 33'1" |
|                | -3.0m t   | 18.6*                      | 18.6*                                     | 23.4                       | 24.1*                                     | 15.0                       | 19.1*                                     | 11.0                       | 15.4*                                     | 8.7                        | 12.3*                                     |                            |                                           | 8.4        | 9.4   |
|                | -10 ft lb | 42.2*                      | 42.2*                                     | 50.3                       | 52.4*                                     | 32.4                       | 41.4*                                     | 23.8                       | 33.2*                                     | 18.9                       | 26.3*                                     |                            |                                           | 18.6       | 30'7" |
| HD-V           | -4.5m t   | 25.8*                      | 25.8*                                     | 20.8*                      | 20.8*                                     | 15.4                       | 16.7*                                     | 11.3                       | 13.2*                                     |                            |                                           |                            |                                           | 10.1       | 8.3   |
|                | -15 ft lb | 55.9*                      | 55.9*                                     | 45.0*                      | 45.0*                                     | 33.2                       | 36.0*                                     | 24.5                       | 28.2*                                     |                            |                                           |                            |                                           | 22.6       | 27'   |
|                | -6.0m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 10.5*      | 6.7   |
|                | -20 ft lb |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 22.8*      | 21'7" |

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm / 24" wide track pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via \*). Without bucket cylinder, link and lever the lift capacities will increase by 730 kg / 1,610 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

## Stick 3.90 m / 12'10"

| Under-carriage |  | 3.0m<br>10ft                                                                      |                                                                                   | 4.5m<br>15ft                                                                      |                                                                                   | 6.0m<br>20ft                                                                      |                                                                                   | 7.5m<br>25ft                                                                      |                                                                                   | 9.0m<br>30ft                                                                      |                                                                                   | 10.5m<br>35ft                                                                     |                                                                                   |  |       | m<br>ft in |        |
|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|------------|--------|
|                |                                                                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |       |            |        |
| HD             | 9.0m t                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 8.6*                                                                              | 8.6*                                                                              |                                                                                   |                                                                                   | 7.8*  | 7.8*       | 9.1    |
|                | 30ft lb                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 17.3* | 17.3*      | 29'8"  |
|                | 7.5m t                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 9.7                                                                               | 10.0*                                                                             |                                                                                   |                                                                                   | 7.6*  | 7.6*       | 10.1   |
|                | 25ft lb                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 20.8                                                                              | 21.9*                                                                             |                                                                                   |                                                                                   | 16.7* | 16.7*      | 32'10" |
|                | 6.0m t                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 11.4*                                                                             | 11.4*                                                                             | 9.4                                                                               | 10.4*                                                                             |                                                                                   | 7.3                                                                               | 8.8*                                                                              | 7.1   | 7.6*       | 10.7   |
|                | 20ft lb                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 24.8*                                                                             | 24.8*                                                                             | 20.3                                                                              | 22.8*                                                                             |                                                                                   |                                                                                   |                                                                                   | 15.6  | 16.7*      | 35'    |
|                | 4.5m t                                                                            |                                                                                   |                                                                                   | 20.9*                                                                             | 20.9*                                                                             | 15.4*                                                                             | 15.4*                                                                             | 11.9                                                                              | 12.7*                                                                             | 9.1                                                                               | 11.2*                                                                             | 7.1                                                                               | 10.3*                                                                             | 6.5                                                                               | 7.7*  |            | 11.1   |
|                | 15ft lb                                                                           |                                                                                   |                                                                                   | 44.7*                                                                             | 44.7*                                                                             | 33.2*                                                                             | 33.2*                                                                             | 25.7                                                                              | 27.6*                                                                             | 19.6                                                                              | 24.3*                                                                             | 15.3                                                                              | 22.4*                                                                             | 14.4                                                                              | 17.0* |            | 36'4"  |
|                | 3.0m t                                                                            |                                                                                   |                                                                                   | 13.3*                                                                             | 13.3*                                                                             | 15.4                                                                              | 17.8*                                                                             | 11.3                                                                              | 14.1*                                                                             | 8.7                                                                               | 12.0*                                                                             | 6.9                                                                               | 10.4                                                                              | 6.2                                                                               | 8.1*  |            | 11.2   |
|                | 10ft lb                                                                           |                                                                                   |                                                                                   | 33.4*                                                                             | 33.4*                                                                             | 33.3                                                                              | 38.5*                                                                             | 24.4                                                                              | 30.5*                                                                             | 18.8                                                                              | 26.0*                                                                             | 14.9                                                                              | 22.4                                                                              | 13.7                                                                              | 17.7* |            | 36'11" |
|                | 1.5m t                                                                            |                                                                                   |                                                                                   | 10.5*                                                                             | 10.5*                                                                             | 14.6                                                                              | 19.6*                                                                             | 10.8                                                                              | 15.3*                                                                             | 8.4                                                                               | 12.7*                                                                             | 6.7                                                                               | 10.2                                                                              | 6.1                                                                               | 8.6*  |            | 11.2   |
|                | 5ft lb                                                                            |                                                                                   |                                                                                   | 25.1*                                                                             | 25.1*                                                                             | 31.5                                                                              | 42.4*                                                                             | 23.3                                                                              | 33.1*                                                                             | 18.1                                                                              | 27.5                                                                              | 14.5                                                                              | 22.0                                                                              | 13.5                                                                              | 18.9* |            | 36'10" |
|                | 0m t                                                                              |                                                                                   |                                                                                   | 13.8*                                                                             | 13.8*                                                                             | 14.2                                                                              | 20.5*                                                                             | 10.4                                                                              | 16.0*                                                                             | 8.2                                                                               | 12.5                                                                              | 6.6                                                                               | 10.1                                                                              | 6.2                                                                               | 9.4*  |            | 11.0   |
|                | 0ft lb                                                                            |                                                                                   |                                                                                   | 31.8*                                                                             | 31.8*                                                                             | 30.5                                                                              | 44.3*                                                                             | 22.5                                                                              | 34.6*                                                                             | 17.6                                                                              | 27.0                                                                              | 14.3                                                                              | 21.7                                                                              | 13.7                                                                              | 20.8* |            | 36'    |
|                | -1.5m t                                                                           | 11.0*                                                                             | 11.0*                                                                             | 19.3*                                                                             | 19.3*                                                                             | 14.0                                                                              | 20.4*                                                                             | 10.3                                                                              | 16.1*                                                                             | 8.0                                                                               | 12.4                                                                              | 6.6                                                                               | 10.0                                                                              | 6.6                                                                               | 10.0  |            | 10.5   |
|                | -5ft lb                                                                           | 24.8*                                                                             | 24.8*                                                                             | 44.1*                                                                             | 44.1*                                                                             | 30.2                                                                              | 44.3*                                                                             | 22.1                                                                              | 34.8                                                                              | 17.3                                                                              | 26.7                                                                              |                                                                                   |                                                                                   | 14.5                                                                              | 22.0  |            | 34'6"  |
| -3.0m t        | 17.6*                                                                             | 17.6*                                                                             | 21.9                                                                              | 25.3*                                                                             | 14.0                                                                              | 19.6*                                                                             | 10.3                                                                              | 15.6*                                                                             | 8.1                                                                               | 12.4                                                                              |                                                                                   |                                                                                   | 7.2                                                                               | 11.1                                                                              |       | 9.8        |        |
| -10ft lb       | 39.7*                                                                             | 39.7*                                                                             | 47.0                                                                              | 54.8*                                                                             | 30.3                                                                              | 42.4*                                                                             | 22.2                                                                              | 33.8*                                                                             | 17.4                                                                              | 26.8                                                                              |                                                                                   |                                                                                   | 16.0                                                                              | 24.5                                                                              |       | 32'1"      |        |
| -4.5m t        | 25.4*                                                                             | 25.4*                                                                             | 22.3                                                                              | 22.5*                                                                             | 14.3                                                                              | 17.7*                                                                             | 10.4                                                                              | 14.1*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 8.5                                                                               | 11.4*                                                                             |       | 8.8        |        |
| -15ft lb       | 57.6*                                                                             | 57.6*                                                                             | 47.9                                                                              | 48.6*                                                                             | 30.8                                                                              | 38.3*                                                                             | 22.6                                                                              | 30.4*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 19.0                                                                              | 25.0*                                                                             |       | 28'7"      |        |
| -6.0m t        | 22.8*                                                                             | 22.8*                                                                             | 18.1*                                                                             | 18.1*                                                                             | 14.3*                                                                             | 14.3*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 11.1*                                                                             | 11.1*                                                                             |       | 7.3        |        |
| -20ft lb       | 48.8*                                                                             | 48.8*                                                                             | 38.6*                                                                             | 38.6*                                                                             | 30.4*                                                                             | 30.4*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 24.4*                                                                             | 24.4*                                                                             |       | 23'7"      |        |
| HD-V           | 9.0m t                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 8.9*                                                                              | 8.9*                                                                              |                                                                                   |                                                                                   | 7.8*                                                                              | 7.8*  |            | 9.1    |
|                | 30ft lb                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 17.2*                                                                             | 17.2* |            | 29'8"  |
|                | 7.5m t                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 10.0*                                                                             | 10.0*                                                                             |                                                                                   |                                                                                   | 7.6*                                                                              | 7.6*  |            | 10.1   |
|                | 25ft lb                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 21.6                                                                              | 21.9*                                                                             |                                                                                   |                                                                                   | 16.7*                                                                             | 16.7* |            | 32'10" |
|                | 6.0m t                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 11.5*                                                                             | 11.5*                                                                             | 9.8                                                                               | 10.5*                                                                             | 7.6                                                                               | 9.0*                                                                              | 7.3                                                                               | 7.6*  |            | 10.7   |
|                | 20ft lb                                                                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 24.9*                                                                             | 24.9*                                                                             | 21.1                                                                              | 22.9*                                                                             | 16.3                                                                              | 17.1*                                                                             | 16.3                                                                              | 16.7* |            | 35'    |
|                | 4.5m t                                                                            |                                                                                   |                                                                                   | 21.3*                                                                             | 21.3*                                                                             | 15.6*                                                                             | 15.6*                                                                             | 12.4                                                                              | 12.8*                                                                             | 9.4                                                                               | 11.2*                                                                             | 7.4                                                                               | 10.3*                                                                             | 6.8                                                                               | 7.7*  |            | 11.1   |
|                | 15ft lb                                                                           |                                                                                   |                                                                                   | 45.5*                                                                             | 45.5*                                                                             | 33.6*                                                                             | 33.6*                                                                             | 26.7                                                                              | 27.8*                                                                             | 20.4                                                                              | 24.4*                                                                             | 16.0                                                                              | 22.5*                                                                             | 15.0                                                                              | 17.0* |            | 36'4"  |
|                | 3.0m t                                                                            |                                                                                   |                                                                                   | 12.7*                                                                             | 12.7*                                                                             | 16.0                                                                              | 18.0*                                                                             | 11.8                                                                              | 14.2*                                                                             | 9.1                                                                               | 12.0*                                                                             | 7.2                                                                               | 10.7*                                                                             | 6.5                                                                               | 8.1*  |            | 11.2   |
|                | 10ft lb                                                                           |                                                                                   |                                                                                   | 31.8*                                                                             | 31.8*                                                                             | 34.6                                                                              | 38.8*                                                                             | 25.4                                                                              | 30.7*                                                                             | 19.6                                                                              | 26.2*                                                                             | 15.6                                                                              | 23.3*                                                                             | 14.4                                                                              | 17.8* |            | 36'11" |
|                | 1.5m t                                                                            |                                                                                   |                                                                                   | 10.7*                                                                             | 10.7*                                                                             | 15.2                                                                              | 19.7*                                                                             | 11.3                                                                              | 15.3*                                                                             | 8.8                                                                               | 12.7*                                                                             | 7.1                                                                               | 10.7                                                                              | 6.4                                                                               | 8.6*  |            | 11.2   |
|                | 5ft lb                                                                            |                                                                                   |                                                                                   | 25.3*                                                                             | 25.3*                                                                             | 32.9                                                                              | 42.6*                                                                             | 24.3                                                                              | 33.2*                                                                             | 18.9                                                                              | 27.7*                                                                             | 15.2                                                                              | 23.0                                                                              | 14.2                                                                              | 19.0* |            | 36'10" |
|                | 0m t                                                                              |                                                                                   |                                                                                   | 14.1*                                                                             | 14.1*                                                                             | 14.8                                                                              | 20.5*                                                                             | 10.9                                                                              | 16.0*                                                                             | 8.5                                                                               | 13.1                                                                              | 6.9                                                                               | 10.6                                                                              | 6.6                                                                               | 9.5*  |            | 11.0   |
|                | 0ft lb                                                                            |                                                                                   |                                                                                   | 32.5*                                                                             | 32.5*                                                                             | 31.9                                                                              | 44.4*                                                                             | 23.6                                                                              | 34.7*                                                                             | 18.4                                                                              | 28.3                                                                              | 15.0                                                                              | 22.8                                                                              | 14.4                                                                              | 21.0* |            | 36'    |
|                | -1.5m t                                                                           | 11.5*                                                                             | 11.5*                                                                             | 19.8*                                                                             | 19.8*                                                                             | 14.7                                                                              | 20.4*                                                                             | 10.8                                                                              | 16.1*                                                                             | 8.4                                                                               | 13.0                                                                              |                                                                                   |                                                                                   | 6.9                                                                               | 10.6  |            | 10.5   |
|                | -5ft lb                                                                           | 25.8*                                                                             | 25.8*                                                                             | 45.2*                                                                             | 45.2*                                                                             | 31.6                                                                              | 44.2*                                                                             | 23.2                                                                              | 34.9*                                                                             | 18.2                                                                              | 28.1                                                                              |                                                                                   |                                                                                   | 15.3                                                                              | 23.3  |            | 34'6"  |
| -3.0m t        | 18.1*                                                                             | 18.1*                                                                             | 22.9                                                                              | 25.1*                                                                             | 14.7                                                                              | 19.5*                                                                             | 10.8                                                                              | 15.5*                                                                             | 8.5                                                                               | 12.6*                                                                             |                                                                                   |                                                                                   | 7.7                                                                               | 11.2*                                                                             |       | 9.8        |        |
| -10ft lb       | 40.8*                                                                             | 40.8*                                                                             | 49.2                                                                              | 54.5*                                                                             | 31.7                                                                              | 42.2*                                                                             | 23.3                                                                              | 33.6*                                                                             | 18.3                                                                              | 27.2*                                                                             |                                                                                   |                                                                                   | 17.0                                                                              | 24.8*                                                                             |       | 32'1"      |        |
| -4.5m t        | 26.1*                                                                             | 26.1*                                                                             | 22.2*                                                                             | 22.2*                                                                             | 15.0                                                                              | 17.6*                                                                             | 11.0                                                                              | 14.0*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 9.1                                                                               | 11.4*                                                                             |       | 8.8        |        |
| -15ft lb       | 59.1*                                                                             | 59.1*                                                                             | 48.1*                                                                             | 48.1*                                                                             | 32.3                                                                              | 37.9*                                                                             | 23.7                                                                              | 30.0*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 20.2                                                                              | 25.0*                                                                             |       | 28'7"      |        |
| -6.0m t        | 22.2*                                                                             | 22.2*                                                                             | 17.7*                                                                             | 17.7*                                                                             | 14.0*                                                                             | 14.0*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 11.0*                                                                             | 11.0*                                                                             |       | 7.3        |        |
| -20ft lb       |                                                                                   |                                                                                   | 37.7*                                                                             | 37.7*                                                                             | 29.6*                                                                             | 29.6*                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 24.2*                                                                             | 24.2*                                                                             |       | 23'7"      |        |



Height



Can be slewed through 360°



In longitudinal position of undercarriage



Max. reach

\* Limited by hydr. capacity

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm / 24" wide track pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via \*). Without bucket cylinder, link and lever the lift capacities will increase by 730 kg / 1,610 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

# Lift capacities

with mono boom ME 6.50 m / 21'4", counterweight 9.4 t / 20,720 lb and track pads 600 mm / 24"

## Stick ME 2.50 m / 8'2"

| Under-carriage | Height    | 3.0 m<br>10 ft             |                                           | 4.5 m<br>15 ft             |                                           | 6.0 m<br>20 ft             |                                           | 7.5 m<br>25 ft             |                                           | 9.0 m<br>30 ft             |                                           | 10.5 m<br>35 ft            |                                           | Max. reach | ft in  |
|----------------|-----------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|------------|--------|
|                |           | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage |            |        |
| HD             | 9.0 m t   |                            |                                           |                            |                                           | 15.4*                      | 15.4*                                     |                            |                                           |                            |                                           |                            |                                           | 14.6*      | 6.1    |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 32.8*      | 19'5"  |
|                | 7.5 m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 11.9       | 7.4    |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 26.8       | 23'11" |
|                | 6.0 m t   |                            |                                           |                            |                                           | 16.3                       | 16.5*                                     | 11.5                       | 14.8*                                     |                            |                                           |                            |                                           | 9.9        | 8.2    |
|                | 20 ft lb  |                            |                                           |                            |                                           | 35.2                       | 35.8*                                     | 24.8                       | 32.4*                                     |                            |                                           |                            |                                           | 22.1       | 26'10" |
|                | 4.5 m t   |                            |                                           | 23.9                       | 24.5*                                     | 15.5                       | 18.4*                                     | 11.2                       | 15.6*                                     |                            |                                           |                            |                                           | 8.9        | 8.7    |
|                | 15 ft lb  |                            |                                           | 51.6                       | 52.5*                                     | 33.5                       | 39.9*                                     | 24.1                       | 33.9*                                     |                            |                                           |                            |                                           | 19.7       | 28'6"  |
|                | 3.0 m t   |                            |                                           |                            |                                           | 14.7                       | 20.4*                                     | 10.8                       | 16.5*                                     |                            |                                           |                            |                                           | 8.4        | 8.9    |
|                | 10 ft lb  |                            |                                           | 43.4*                      | 43.4*                                     | 31.8                       | 44.1*                                     | 23.3                       | 35.6                                      |                            |                                           |                            |                                           | 18.5       | 29'4"  |
| HD-V           | 1.5 m t   |                            |                                           | 14.3*                      | 14.3*                                     | 14.2                       | 21.6*                                     | 10.5                       | 16.2                                      |                            |                                           |                            |                                           | 8.3        | 8.9    |
|                | 5 ft lb   |                            |                                           | 35.5*                      | 35.5*                                     | 30.6                       | 46.8*                                     | 22.6                       | 34.8                                      |                            |                                           |                            |                                           | 18.3       | 29'2"  |
|                | 0 m t     |                            |                                           | 21.4                       | 23.7*                                     | 13.9                       | 21.7*                                     | 10.3                       | 16.0                                      |                            |                                           |                            |                                           | 8.7        | 8.6    |
|                | 0 ft lb   |                            |                                           | 45.9                       | 55.8*                                     | 30.0                       | 47.0*                                     | 22.2                       | 34.4                                      |                            |                                           |                            |                                           | 19.1       | 28'2"  |
|                | -1.5 m t  | 18.1*                      | 18.1*                                     | 21.5                       | 26.2*                                     | 14.0                       | 20.4*                                     | 10.3                       | 15.9*                                     |                            |                                           |                            |                                           | 9.6        | 8.0    |
|                | -5 ft lb  | 41.3*                      | 41.3*                                     | 46.3                       | 57.0*                                     | 30.1                       | 44.3*                                     | 22.4                       | 34.3*                                     |                            |                                           |                            |                                           | 21.2       | 26'2"  |
|                | -3.0 m t  | 26.8*                      | 26.8*                                     | 21.9                       | 22.2*                                     | 14.2                       | 17.4*                                     |                            |                                           |                            |                                           |                            |                                           | 11.6       | 7.0    |
|                | -10 ft lb | 58.3*                      | 58.3*                                     | 47.2                       | 48.0*                                     | 30.8                       | 37.3*                                     |                            |                                           |                            |                                           |                            |                                           | 25.8       | 22'11" |
|                | -4.5 m t  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |            |        |
|                | -15 ft lb |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |            |        |
| HD-V           | 9.0 m t   |                            |                                           |                            |                                           | 15.7*                      | 15.7*                                     |                            |                                           |                            |                                           |                            |                                           | 14.5*      | 6.1    |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 32.4*      | 19'5"  |
|                | 7.5 m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 12.2       | 7.4    |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 27.5       | 23'11" |
|                | 6.0 m t   |                            |                                           |                            |                                           | 16.6*                      | 16.6*                                     | 12.0                       | 14.8*                                     |                            |                                           |                            |                                           | 10.3       | 8.2    |
|                | 20 ft lb  |                            |                                           |                            |                                           | 36.0*                      | 36.0*                                     | 25.9                       | 32.4*                                     |                            |                                           |                            |                                           | 22.8       | 26'10" |
|                | 4.5 m t   |                            |                                           | 24.7                       | 24.8*                                     | 16.1                       | 18.6*                                     | 11.7                       | 15.6*                                     |                            |                                           |                            |                                           | 9.2        | 8.7    |
|                | 15 ft lb  |                            |                                           | 53.2*                      | 53.2*                                     | 34.9                       | 40.2*                                     | 25.1                       | 34.0*                                     |                            |                                           |                            |                                           | 20.5       | 28'6"  |
|                | 3.0 m t   |                            |                                           |                            |                                           | 15.4                       | 20.5*                                     | 11.3                       | 16.6*                                     |                            |                                           |                            |                                           | 8.8        | 8.9    |
|                | 10 ft lb  |                            |                                           | 41.0*                      | 41.0*                                     | 33.2                       | 44.4*                                     | 24.3                       | 36.0*                                     |                            |                                           |                            |                                           | 19.4       | 29'4"  |
| HD-V           | 1.5 m t   |                            |                                           | 14.7*                      | 14.7*                                     | 14.8                       | 21.7*                                     | 10.9                       | 16.9                                      |                            |                                           |                            |                                           | 8.7        | 8.9    |
|                | 5 ft lb   |                            |                                           | 36.3*                      | 36.3*                                     | 32.0                       | 46.9*                                     | 23.6                       | 36.5                                      |                            |                                           |                            |                                           | 19.3       | 29'2"  |
|                | 0 m t     |                            |                                           | 22.4                       | 24.6*                                     | 14.6                       | 21.6*                                     | 10.8                       | 16.8                                      |                            |                                           |                            |                                           | 9.1        | 8.6    |
|                | 0 ft lb   |                            |                                           | 48.1                       | 57.8*                                     | 31.5                       | 46.9*                                     | 23.3                       | 36.1                                      |                            |                                           |                            |                                           | 20.1       | 28'2"  |
|                | -1.5 m t  | 19.2*                      | 19.2*                                     | 22.6                       | 26.0*                                     | 14.6                       | 20.3*                                     | 10.9                       | 15.8*                                     |                            |                                           |                            |                                           | 10.1       | 8.0    |
|                | -5 ft lb  | 43.8*                      | 43.8*                                     | 48.5                       | 56.5*                                     | 31.6                       | 44.0*                                     | 23.5                       | 33.9*                                     |                            |                                           |                            |                                           | 22.4       | 26'2"  |
|                | -3.0 m t  | 26.3*                      | 26.3*                                     | 21.8*                      | 21.8*                                     | 15.0                       | 17.1*                                     |                            |                                           |                            |                                           |                            |                                           | 12.4       | 7.0    |
|                | -10 ft lb | 57.2*                      | 57.2*                                     | 47.2*                      | 47.2*                                     | 32.3                       | 36.6*                                     |                            |                                           |                            |                                           |                            |                                           | 27.5       | 22'11" |
|                | -4.5 m t  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |            |        |
|                | -15 ft lb |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |            |        |

## Stick ME 2.90 m / 9'6"

| Under-carriage | Height    | 3.0 m<br>10 ft             |                                           | 4.5 m<br>15 ft             |                                           | 6.0 m<br>20 ft             |                                           | 7.5 m<br>25 ft             |                                           | 9.0 m<br>30 ft             |                                           | 10.5 m<br>35 ft            |                                           | Max. reach | ft in  |
|----------------|-----------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|------------|--------|
|                |           | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage |            |        |
| HD             | 9.0 m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 11.9*      | 6.5    |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 26.6*      | 20'11" |
|                | 7.5 m t   |                            |                                           |                            |                                           |                            |                                           | 11.8                       | 13.3*                                     |                            |                                           |                            |                                           | 11.0*      | 7.8    |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           | 25.3                       | 25.9*                                     |                            |                                           |                            |                                           | 24.4*      | 25'2"  |
|                | 6.0 m t   |                            |                                           |                            |                                           | 15.7*                      | 15.7*                                     | 11.6                       | 14.1*                                     |                            |                                           |                            |                                           | 9.3        | 8.6    |
|                | 20 ft lb  |                            |                                           |                            |                                           | 34.0*                      | 34.0*                                     | 25.0                       | 30.9*                                     |                            |                                           |                            |                                           | 20.8       | 28'    |
|                | 4.5 m t   |                            |                                           | 23.1*                      | 23.1*                                     | 15.7                       | 17.7*                                     | 11.2                       | 15.0*                                     | 8.5                        | 11.4*                                     |                            |                                           | 8.4        | 9.0    |
|                | 15 ft lb  |                            |                                           | 49.5*                      | 49.5*                                     | 33.9                       | 38.3*                                     | 24.2                       | 32.7*                                     |                            |                                           |                            |                                           | 18.6       | 29'7"  |
|                | 3.0 m t   |                            |                                           | 22.5                       | 27.5*                                     | 14.9                       | 19.8*                                     | 10.8                       | 16.1*                                     | 8.3                        | 12.5                                      |                            |                                           | 8.0        | 9.3    |
|                | 10 ft lb  |                            |                                           | 48.6                       | 59.2*                                     | 32.1                       | 42.9*                                     | 23.3                       | 34.9*                                     | 17.9                       | 26.9                                      |                            |                                           | 17.6       | 30'4"  |
| HD-V           | 1.5 m t   |                            |                                           | 20.8*                      | 20.8*                                     | 14.2                       | 21.3*                                     | 10.5                       | 16.2                                      | 8.1                        | 12.3                                      |                            |                                           | 7.9        | 9.2    |
|                | 5 ft lb   |                            |                                           | 46.4                       | 50.0*                                     | 30.7                       | 46.2*                                     | 22.6                       | 34.8                                      | 17.5                       | 26.6                                      |                            |                                           | 17.4       | 30'2"  |
|                | 0 m t     |                            |                                           | 21.3                       | 26.3*                                     | 13.9                       | 21.7*                                     | 10.2                       | 15.9                                      |                            |                                           |                            |                                           | 8.2        | 8.9    |
|                | 0 ft lb   |                            |                                           | 45.8                       | 61.5*                                     | 30.0                       | 47.1*                                     | 22.1                       | 34.3                                      |                            |                                           |                            |                                           | 18.0       | 29'4"  |
|                | -1.5 m t  | 18.9*                      | 18.9*                                     | 21.4                       | 27.2*                                     | 13.9                       | 20.9*                                     | 10.2                       | 15.9                                      |                            |                                           |                            |                                           | 8.9        | 8.3    |
|                | -5 ft lb  | 42.8*                      | 42.8*                                     | 46.0                       | 59.0*                                     | 29.9                       | 45.2*                                     | 22.1                       | 34.2                                      |                            |                                           |                            |                                           | 19.7       | 27'5"  |
|                | -3.0 m t  | 30.0*                      | 30.0*                                     | 21.7                       | 23.6*                                     | 14.1                       | 18.4*                                     |                            |                                           |                            |                                           |                            |                                           | 10.6       | 7.4    |
|                | -10 ft lb | 65.2*                      | 65.2*                                     | 46.7                       | 51.1*                                     | 30.3                       | 39.6*                                     |                            |                                           |                            |                                           |                            |                                           | 23.5       | 24'4"  |
|                | -4.5 m t  |                            |                                           | 17.3*                      | 17.3*                                     | 12.3*                      | 12.3*                                     |                            |                                           |                            |                                           |                            |                                           | 12.3*      | 6.0    |
|                | -15 ft lb |                            |                                           | 36.8*                      | 36.8*                                     |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 26.8*      | 19'5"  |
| HD-V           | 9.0 m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 11.8*      | 6.5    |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 26.4*      | 20'11" |
|                | 7.5 m t   |                            |                                           |                            |                                           |                            |                                           | 12.3                       | 13.7*                                     |                            |                                           |                            |                                           | 11.0*      | 7.8    |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           | 26.4                       | 27.2*                                     |                            |                                           |                            |                                           | 24.3*      | 25'2"  |
|                | 6.0 m t   |                            |                                           |                            |                                           | 15.8*                      | 15.8*                                     | 12.1                       | 14.2*                                     |                            |                                           |                            |                                           | 9.7        | 8.6    |
|                | 20 ft lb  |                            |                                           |                            |                                           | 34.3*                      | 34.3*                                     | 26.0                       | 31.0*                                     |                            |                                           |                            |                                           | 21.5       | 28'    |
|                | 4.5 m t   |                            |                                           | 23.4*                      | 23.4*                                     | 16.3                       | 17.8*                                     | 11.7                       | 15.1*                                     | 8.9                        | 11.7*                                     |                            |                                           | 8.8        | 9.0    |
|                | 15 ft lb  |                            |                                           | 50.2*                      | 50.2*                                     | 35.2                       | 38.6*                                     | 25.2                       | 32.9*                                     |                            |                                           |                            |                                           | 19.4       | 29'7"  |
|                | 3.0 m t   |                            |                                           | 23.4                       | 27.7*                                     | 15.5                       | 20.0*                                     | 11.3                       | 16.2*                                     | 8.7                        | 13.1                                      |                            |                                           | 8.3        | 9.3    |
|                | 10 ft lb  |                            |                                           | 50.5                       | 59.7*                                     | 33.4                       | 43.2*                                     | 24.3                       | 35.1*                                     | 18.7                       | 28.3                                      |                            |                                           | 18.4       | 30'4"  |
| HD-V           | 1.5 m t   |                            |                                           | 20.9*                      | 20.9*                                     | 14.9                       | 21.4*                                     | 10.9                       | 16.9                                      | 8.5                        | 12.9                                      |                            |                                           | 8.3        | 9.2    |
|                | 5 ft lb   |                            |                                           | 48.5                       | 50.1*                                     | 32.1                       | 46.3*                                     | 23.6                       | 36.5                                      | 18.4                       | 27.9                                      |                            |                                           | 18.2       | 30'2"  |
|                | 0 m t     |                            |                                           | 22.3                       | 27.0*                                     | 14.6                       | 21.7*                                     | 10.7                       | 16.7                                      |                            |                                           |                            |                                           | 8.6        | 8.9    |
|                | 0 ft lb   |                            |                                           | 48.0                       | 62.9*                                     | 31.4                       | 47.0*                                     | 23.2                       | 36.0                                      |                            |                                           |                            |                                           | 19.0       | 29'4"  |
|                | -1.5 m t  | 19.7*                      | 19.7*                                     | 22.4                       | 27.0*                                     | 14.5                       | 20.7*                                     | 10.7                       | 16.2*                                     |                            |                                           |                            |                                           | 9.5        | 8.3    |
|                | -5 ft lb  | 44.6*                      | 44.6*                                     | 48.2                       | 58.6*                                     | 31.3                       | 44.9*                                     | 23.2                       | 35.0*                                     |                            |                                           |                            |                                           | 20.9       | 27'5"  |
|                | -3.0 m t  | 29.5*                      | 29.5*                                     | 22.8                       | 23.3*                                     | 14.8                       | 18.1*                                     |                            |                                           |                            |                                           |                            |                                           | 11.3       | 7.4    |
|                | -10 ft lb | 64.1*                      | 64.1*                                     | 49.0                       | 50.4*                                     | 31.9                       | 39.0*                                     |                            |                                           |                            |                                           |                            |                                           | 25.1       | 24'4"  |
|                | -4.5 m t  |                            |                                           | 16.7*                      | 16.7*                                     |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 12.1*      | 6.0    |
|                | -15 ft lb |                            |                                           | 35.4*                      | 35.4*                                     |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 26.3*      | 19'5"  |

Height  Can be slewed through 360°  In longitudinal position of undercarriage  Max. reach \* Limited by hydr. capacity

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm / 24" wide track pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via \*). Without bucket cylinder, link and lever the lift capacities will increase by 810 kg / 1,790 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

# Lift capacities

with mono boom ME 6.50 m / 21'4", counterweight 10.9 t / 24,030 lb and track pads 600 mm / 24"

## Stick ME 2.50 m / 8'2"

| Under-carriage | Height    | 3.0 m<br>10 ft             |                                           | 4.5 m<br>15 ft             |                                           | 6.0 m<br>20 ft             |                                           | 7.5 m<br>25 ft             |                                           | 9.0 m<br>30 ft             |                                           | 10.5 m<br>35 ft            |                                           | Max. reach | ft in |
|----------------|-----------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|------------|-------|
|                |           | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage |            |       |
| HD             | 9.0 m t   |                            |                                           |                            |                                           | 15.4°                      | 15.4°                                     |                            |                                           |                            |                                           |                            |                                           | 14.6°      | 14.6° |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 32.8°      | 32.8° |
|                | 7.5 m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 12.9       | 13.2° |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 29.0       | 29.3° |
|                | 6.0 m t   |                            |                                           |                            |                                           | 16.5°                      | 16.5°                                     | 12.5                       | 14.8°                                     |                            |                                           |                            |                                           | 10.8       | 12.7° |
|                | 20 ft lb  |                            |                                           |                            |                                           | 35.8°                      | 35.8°                                     | 26.9                       | 32.4°                                     |                            |                                           |                            |                                           | 24.0       | 28.1° |
|                | 4.5 m t   |                            |                                           | 24.5°                      | 24.5°                                     | 16.8                       | 18.4°                                     | 12.1                       | 15.6°                                     |                            |                                           |                            |                                           | 9.7        | 12.7° |
|                | 15 ft lb  |                            |                                           | 52.5°                      | 52.5°                                     | 36.3                       | 39.9°                                     | 26.2                       | 33.9°                                     |                            |                                           |                            |                                           | 21.4       | 28.0° |
|                | 3.0 m t   |                            |                                           |                            |                                           | 16.0                       | 20.4°                                     | 11.7                       | 16.5°                                     |                            |                                           |                            |                                           | 9.2        | 13.1° |
|                | 10 ft lb  |                            |                                           | 43.4°                      | 43.4°                                     | 34.6                       | 44.1°                                     | 25.3                       | 35.8°                                     |                            |                                           |                            |                                           | 20.2       | 28.8° |
| HD-V           | 1.5 m t   |                            |                                           | 14.3°                      | 14.3°                                     | 15.5                       | 21.6°                                     | 11.4                       | 17.2°                                     |                            |                                           |                            |                                           | 9.1        | 13.6° |
|                | 5 ft lb   |                            |                                           | 35.5°                      | 35.5°                                     | 33.4                       | 46.8°                                     | 24.6                       | 37.2°                                     |                            |                                           |                            |                                           | 20.0       | 29.9° |
|                | 0 m t     |                            |                                           | 23.3                       | 23.7°                                     | 15.2                       | 21.7°                                     | 11.3                       | 17.1°                                     |                            |                                           |                            |                                           | 9.5        | 14.2° |
|                | 0 ft lb   |                            |                                           | 50.1                       | 55.8°                                     | 32.8                       | 47.0°                                     | 24.3                       | 37.0°                                     |                            |                                           |                            |                                           | 20.9       | 31.3° |
|                | -1.5 m t  | 18.1°                      | 18.1°                                     | 23.5                       | 26.2°                                     | 15.2                       | 20.4°                                     | 11.3                       | 15.9°                                     |                            |                                           |                            |                                           | 10.5       | 14.3° |
|                | -5 ft lb  | 41.3°                      | 41.3°                                     | 50.4                       | 57.0°                                     | 32.8                       | 44.3°                                     | 24.4                       | 34.3°                                     |                            |                                           |                            |                                           | 23.1       | 31.6° |
|                | -3.0 m t  | 26.8°                      | 26.8°                                     | 22.2°                      | 22.2°                                     | 15.5                       | 17.4°                                     |                            |                                           |                            |                                           |                            |                                           | 12.6       | 13.7° |
|                | -10 ft lb | 58.3°                      | 58.3°                                     | 48.0°                      | 48.0°                                     | 33.5                       | 37.3°                                     |                            |                                           |                            |                                           |                            |                                           | 28.1       | 30.1° |
|                | -4.5 m t  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |            |       |
|                | -15 ft lb |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |            |       |
| HD-V           | 9.0 m t   |                            |                                           |                            |                                           | 15.7°                      | 15.7°                                     |                            |                                           |                            |                                           |                            |                                           | 14.5°      | 14.5° |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 32.4°      | 32.4° |
|                | 7.5 m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 13.2°      | 13.2° |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 29.2°      | 29.2° |
|                | 6.0 m t   |                            |                                           |                            |                                           | 16.6°                      | 16.6°                                     | 13.0                       | 14.8°                                     |                            |                                           |                            |                                           | 11.1       | 12.7° |
|                | 20 ft lb  |                            |                                           |                            |                                           | 36.0°                      | 36.0°                                     | 27.9                       | 32.4°                                     |                            |                                           |                            |                                           | 24.7       | 28.0° |
|                | 4.5 m t   |                            |                                           | 24.8°                      | 24.8°                                     | 17.4                       | 18.6°                                     | 12.6                       | 15.6°                                     |                            |                                           |                            |                                           | 10.0       | 12.7° |
|                | 15 ft lb  |                            |                                           | 53.2°                      | 53.2°                                     | 37.6                       | 40.2°                                     | 27.2                       | 34.0°                                     |                            |                                           |                            |                                           | 22.2       | 28.0° |
|                | 3.0 m t   |                            |                                           |                            |                                           | 16.6                       | 20.5°                                     | 12.2                       | 16.6°                                     |                            |                                           |                            |                                           | 9.6        | 13.1° |
|                | 10 ft lb  |                            |                                           | 41.0°                      | 41.0°                                     | 35.9                       | 44.4°                                     | 26.4                       | 36.0°                                     |                            |                                           |                            |                                           | 21.1       | 28.9° |

## Stick ME 2.90 m / 9'6"

| Under-carriage | Height    | 3.0 m<br>10 ft             |                                           | 4.5 m<br>15 ft             |                                           | 6.0 m<br>20 ft             |                                           | 7.5 m<br>25 ft             |                                           | 9.0 m<br>30 ft             |                                           | 10.5 m<br>35 ft            |                                           | Max. reach | ft in |
|----------------|-----------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|----------------------------|-------------------------------------------|------------|-------|
|                |           | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage | Can be slewed through 360° | In longitudinal position of undercarriage |            |       |
| HD             | 9.0 m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 11.9°      | 11.9° |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 26.6°      | 26.6° |
|                | 7.5 m t   |                            |                                           |                            |                                           |                            |                                           | 12.7                       | 13.3°                                     |                            |                                           |                            |                                           | 11.0°      | 11.0° |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           | 25.9°                      | 25.9°                                     |                            |                                           |                            |                                           | 24.4°      | 24.4° |
|                | 6.0 m t   |                            |                                           |                            |                                           | 15.7°                      | 15.7°                                     | 12.6                       | 14.1°                                     |                            |                                           |                            |                                           | 10.2       | 10.7° |
|                | 20 ft lb  |                            |                                           |                            |                                           | 34.0°                      | 34.0°                                     | 27.1                       | 30.9°                                     |                            |                                           |                            |                                           | 22.6       | 23.6° |
|                | 4.5 m t   |                            |                                           | 23.1°                      | 23.1°                                     | 17.0                       | 17.7°                                     | 12.2                       | 15.0°                                     | 9.2                        | 11.4°                                     |                            |                                           | 9.2        | 10.8° |
|                | 15 ft lb  |                            |                                           | 49.5°                      | 49.5°                                     | 36.6                       | 38.3°                                     | 26.3                       | 32.7°                                     |                            |                                           |                            |                                           | 20.3       | 23.7° |
|                | 3.0 m t   |                            |                                           | 24.4                       | 27.5°                                     | 16.1                       | 19.8°                                     | 11.8                       | 16.1°                                     | 9.1                        | 13.5°                                     |                            |                                           | 8.7        | 11.2° |
|                | 10 ft lb  |                            |                                           | 52.7                       | 59.2°                                     | 34.8                       | 42.9°                                     | 25.4                       | 34.9°                                     | 19.5                       | 28.4°                                     |                            |                                           | 19.2       | 24.6° |
| HD-V           | 1.5 m t   |                            |                                           | 20.8°                      | 20.8°                                     | 15.5                       | 21.3°                                     | 11.4                       | 16.9°                                     | 8.9                        | 13.3°                                     |                            |                                           | 8.6        | 12.0° |
|                | 5 ft lb   |                            |                                           | 50.0°                      | 50.0°                                     | 33.5                       | 46.2°                                     | 24.6                       | 36.7°                                     | 19.2                       | 28.6°                                     |                            |                                           | 19.0       | 26.3° |
|                | 0 m t     |                            |                                           | 23.2                       | 26.3°                                     | 15.2                       | 21.7°                                     | 11.2                       | 17.1°                                     |                            |                                           |                            |                                           | 8.9        | 13.3° |
|                | 0 ft lb   |                            |                                           | 49.9                       | 61.5°                                     | 32.7                       | 47.1°                                     | 24.2                       | 36.9°                                     |                            |                                           |                            |                                           | 19.7       | 29.4° |
|                | -1.5 m t  | 18.9°                      | 18.9°                                     | 23.3                       | 27.2°                                     | 15.1                       | 20.9°                                     | 11.2                       | 16.4°                                     |                            |                                           |                            |                                           | 9.8        | 14.0° |
|                | -5 ft lb  | 42.8°                      | 42.8°                                     | 50.1                       | 59.0°                                     | 32.6                       | 45.2°                                     | 24.1                       | 35.3°                                     |                            |                                           |                            |                                           | 21.6       | 30.9° |
|                | -3.0 m t  | 30.0°                      | 30.0°                                     | 23.6°                      | 23.6°                                     | 15.3                       | 18.4°                                     |                            |                                           |                            |                                           |                            |                                           | 11.6       | 13.7° |
|                | -10 ft lb | 65.2°                      | 65.2°                                     | 50.9                       | 51.1°                                     | 33.1                       | 39.6°                                     |                            |                                           |                            |                                           |                            |                                           | 25.7       | 30.2° |
|                | -4.5 m t  |                            |                                           | 17.3°                      | 17.3°                                     | 12.3°                      | 12.3°                                     |                            |                                           |                            |                                           |                            |                                           | 12.3°      | 12.3° |
|                | -15 ft lb |                            |                                           | 36.8°                      | 36.8°                                     |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 26.8°      | 26.8° |
| HD-V           | 9.0 m t   |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 11.8°      | 11.8° |
|                | 30 ft lb  |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           |                            |                                           | 26.4°      | 26.4° |
|                | 7.5 m t   |                            |                                           |                            |                                           |                            |                                           | 13.2                       | 13.7°                                     |                            |                                           |                            |                                           | 11.0°      | 11.0° |
|                | 25 ft lb  |                            |                                           |                            |                                           |                            |                                           | 27.2°                      | 27.2°                                     |                            |                                           |                            |                                           | 24.3°      | 24.3° |
|                | 6.0 m t   |                            |                                           |                            |                                           | 15.8°                      | 15.8°                                     | 13.0                       | 14.2°                                     |                            |                                           |                            |                                           | 10.5       | 10.7° |
|                | 20 ft lb  |                            |                                           |                            |                                           | 34.3°                      | 34.3°                                     | 28.1                       | 31.0°                                     |                            |                                           |                            |                                           | 23.3       | 23.6° |
|                | 4.5 m t   |                            |                                           | 23.4°                      | 23.4°                                     | 17.6                       | 17.8°                                     | 12.7                       | 15.1°                                     | 9.6                        | 11.7°                                     |                            |                                           | 9.5        | 10.8° |
|                | 15 ft lb  |                            |                                           | 50.2°                      | 50.2°                                     | 37.9                       | 38.6°                                     | 27.3                       | 32.9°                                     |                            |                                           |                            |                                           | 21.1       | 23.7° |
|                | 3.0 m t   |                            |                                           | 25.4                       | 27.7°                                     | 16.8                       | 20.0°                                     | 12.2                       | 16.2°                                     | 9.4                        | 14.0°                                     |                            |                                           | 9.1        | 11.2° |
|                | 10 ft lb  |                            |                                           | 54.7                       | 59.7°                                     | 36.2                       | 43.2°                                     | 26.4                       | 35.1°                                     | 20.4                       | 28.8°                                     |                            |                                           | 20.0       | 24.6° |

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm / 24" wide track pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via \*). Without bucket cylinder, link and lever the lift capacities will increase by 810 kg / 1,790 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

# Lift capacities

with mono boom Multi-User 9.50 m / 31'2", counterweight 12.5 t / 27,560 lb and track pads 600 mm / 24"

## Stick 6.25 m / 20'6"

| Under-carriage | 3.0 m<br>10 ft |       | 4.5 m<br>15 ft |       | 6.0 m<br>20 ft |       | 7.5 m<br>25 ft |       | 9.0 m<br>30 ft |       | 10.5 m<br>35 ft |       | 12.0 m<br>40 ft |       | 13.5 m<br>45 ft |       | Max. reach |       | m<br>ft in |
|----------------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|------------|-------|------------|
|                |                |       |                |       |                |       |                |       |                |       |                 |       |                 |       |                 |       |            |       |            |
| 12.0 m t       |                |       |                |       |                |       |                |       |                |       |                 |       |                 |       |                 |       | 4.5*       | 4.5*  | 10.6       |
| 40 ft lb       |                |       |                |       |                |       |                |       |                |       |                 |       |                 |       |                 |       |            |       |            |
| 10.5 m t       |                |       |                |       |                |       |                |       |                |       |                 |       |                 |       |                 |       | 4.4*       | 4.4*  | 11.8       |
| 35 ft lb       |                |       |                |       |                |       |                |       |                |       |                 |       |                 |       |                 |       | 9.6*       | 9.6*  | 38'5"      |
| 9.0 m t        |                |       |                |       |                |       |                |       |                |       | 12.9*           | 12.9* |                 |       |                 |       | 7.2*       | 7.2*  | 12.7       |
| 30 ft lb       |                |       |                |       |                |       |                |       |                |       | 15.3*           | 15.3* | 11.5*           | 11.5* |                 |       | 9.6*       | 9.6*  | 41'6"      |
| 7.5 m t        |                |       |                |       |                |       |                |       |                |       | 8.1*            | 8.1*  | 6.9*            | 6.9*  |                 |       | 4.5*       | 4.5*  | 13.4       |
| 25 ft lb       |                |       |                |       |                |       |                |       |                |       | 17.7*           | 17.7* | 14.4*           | 14.4* |                 |       | 9.8*       | 9.8*  | 43'8"      |
| 6.0 m t        |                |       |                |       |                |       |                |       | 9.5*           | 9.5*  | 8.5*            | 8.5*  | 7.8*            | 7.8*  | 5.5*            | 5.5*  | 4.6*       | 4.6*  | 13.8       |
| 20 ft lb       |                |       |                |       |                |       |                |       | 20.6*          | 20.6* | 18.6*           | 18.6* | 17.0*           | 17.0* | 10.7*           | 10.7* | 10.2*      | 10.2* | 45'4"      |
| 4.5 m t        |                |       | 20.4*          | 20.4* | 15.0*          | 15.0* | 12.1*          | 12.1* | 10.3*          | 10.3* | 9.1*            | 9.1*  | 8.1*            | 8.1*  | 6.5*            | 6.5*  | 4.9*       | 4.9*  | 14.1       |
| 15 ft lb       | 32.6*          | 32.6* | 43.8*          | 43.8* | 32.4*          | 32.4* | 26.2*          | 26.2* | 22.3*          | 22.3* | 19.6*           | 19.6* | 17.7*           | 17.7* | 13.1*           | 13.1* | 10.7*      | 10.7* | 46'4"      |
| 3.0 m t        |                |       | 17.5*          | 17.5* | 17.1*          | 17.1* | 13.3*          | 13.3* | 11.1*          | 11.1* | 9.6*            | 9.6*  | 8.0             | 8.5*  | 6.6             | 7.5*  | 5.2*       | 5.2*  | 14.3       |
| 10 ft lb       |                |       | 42.0*          | 42.0* | 36.8*          | 36.8* | 28.8*          | 28.8* | 24.0*          | 24.0* | 20.7*           | 20.7* | 17.2            | 18.4* | 14.3            | 15.1* | 11.4*      | 11.4* | 46'10"     |
| 1.5 m t        |                |       | 11.9*          | 11.9* | 18.5*          | 18.5* | 14.3*          | 14.3* | 11.7           | 11.7* | 9.4             | 10.0* | 7.7             | 8.7*  | 6.5             | 7.4   | 5.6*       | 5.6*  | 14.2       |
| 5 ft lb        |                |       | 27.4*          | 27.4* | 40.0*          | 40.0* | 30.9*          | 30.9* | 25.1           | 25.4* | 20.2            | 21.6* | 16.6            | 18.9* | 14.0            | 16.0  | 12.4*      | 12.4* | 46'8"      |
| 0 m t          | 7.0*           | 7.0*  | 11.9*          | 11.9* | 19.1*          | 19.1* | 14.4           | 14.9* | 11.2           | 12.1* | 9.1             | 10.3* | 7.5             | 8.7   | 6.3             | 7.3   | 6.0        | 6.2*  | 14.0       |
| 0 ft lb        | 15.5*          | 15.5* | 27.0*          | 27.0* | 41.3*          | 41.3* | 31.2           | 32.2* | 24.2           | 26.3* | 19.6            | 22.2* | 16.2            | 18.7  | 13.7            | 15.8  | 13.2       | 13.8* | 46'        |
| -1.5 m t       | 9.4*           | 9.4*  | 13.4*          | 13.4* | 18.9*          | 18.9* | 14.1           | 15.0* | 10.9           | 12.3* | 8.9             | 10.2  | 7.4             | 8.5   | 6.3             | 7.2   | 6.2        | 7.1   | 13.7       |
| -5 ft lb       | 21.0*          | 21.0* | 30.3*          | 30.3* | 41.0*          | 41.0* | 30.3           | 32.4* | 23.6           | 26.6* | 19.1            | 22.1  | 15.9            | 18.3  |                 |       | 13.6       | 15.7  | 44'10"     |
| -3.0 m t       | 11.9*          | 11.9* | 15.7*          | 15.7* | 18.2*          | 18.2* | 13.9           | 14.6* | 10.8           | 12.1* | 8.7             | 10.1  | 7.3             | 8.4   |                 |       | 6.5        | 7.5   | 13.1       |
| -10 ft lb      | 26.5*          | 26.5* | 35.3*          | 35.3* | 39.4*          | 39.4* | 30.0           | 31.6* | 23.2           | 26.1* | 18.8            | 21.8  | 15.7            | 18.2  |                 |       | 14.3       | 16.5  | 43'        |
| -4.5 m t       | 14.4*          | 14.4* | 18.4*          | 18.4* | 16.9*          | 16.9* | 13.8*          | 13.8* | 10.7           | 11.5* | 8.7             | 9.6*  | 7.3             | 8.1*  |                 |       | 7.0        | 7.8*  | 12.4       |
| -15 ft lb      | 32.3*          | 32.3* | 41.5*          | 41.5* | 36.6*          | 36.6* | 29.8*          | 29.8* | 23.2           | 24.8* | 18.8            | 20.8* | 15.8            | 17.4* |                 |       | 15.5       | 17.1* | 40'5"      |
| -6.0 m t       | 17.2*          | 17.2* | 18.4*          | 18.4* | 15.1*          | 15.1* | 12.5*          | 12.5* | 10.4*          | 10.4* | 8.7*            | 8.7*  |                 |       |                 |       | 7.8*       | 7.8*  | 11.4       |
| -20 ft lb      | 38.6*          | 38.6* | 39.7*          | 39.7* | 32.5*          | 32.5* | 26.9*          | 26.9* | 22.4*          | 22.4* | 18.6*           | 18.6* |                 |       |                 |       | 17.1*      | 17.1* | 37'        |
| -7.5 m t       |                |       | 14.9*          | 14.9* | 12.5*          | 12.5* | 10.5*          | 10.5* | 8.8*           | 8.8*  |                 |       |                 |       |                 |       | 7.6*       | 7.6*  | 10.0       |
| -25 ft lb      |                |       | 31.8*          | 31.8* | 26.8*          | 26.8* | 22.5*          | 22.5* | 18.6*          | 18.6* |                 |       |                 |       |                 |       | 16.6*      | 16.6* | 32'6"      |
| -9.0 m t       |                |       |                |       | 9.0*           | 9.0*  | 7.6*           | 7.6*  |                |       |                 |       |                 |       |                 |       | 6.9*       | 6.9*  | 8.2        |
| -30 ft lb      |                |       |                |       | 18.8*          | 18.8* | 15.8*          | 15.8* |                |       |                 |       |                 |       |                 |       | 14.9*      | 14.9* | 26'4"      |

Height Can be slewed through 360° In longitudinal position of undercarriage Max. reach \* Limited by hydr. capacity

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm / 24" wide track pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via \*). Without bucket cylinder, link and lever the lift capacities will increase by 400 kg / 880 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

# Lift capacities

with mono boom Multi-User 11.50 m / 37'9", counterweight 12.5 t / 27,560 lb and track pads 600 mm / 24"

## Stick 8.55 m / 28'1"

| Under-carriage |  | 3.0m<br>10ft                                                                      |                                                                                   | 4.5m<br>15ft                                                                      |                                                                                   | 6.0m<br>20ft                                                                      |                                                                                   | 7.5m<br>25ft                                                                      |                                                                                   | 9.0m<br>30ft                                                                      |                                                                                   | 10.5m<br>35ft                                                                     |                                                                                   | 12.0m<br>40ft                                                                     |                                                                                   | 13.5m<br>45ft                                                                      |                                                                                     | 15.0m<br>50ft                                                                       |                                                                                     | 16.5m<br>55ft                                                                       |                                                                                     | 18.0m<br>60ft                                                                       |                                                                                     |  |                                                                                     | m<br>ft in                                                                          |                                                                                     |
|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                |                                                                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.0m t        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 2.9*                                                                                | 2.9*                                                                                | 13.3                                                                                |
| 50ft lb        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 6.5*                                                                                | 6.5*                                                                                | 43'                                                                                 |
| 13.5m t        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 3.7*                                                                                | 3.7*                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 2.8*                                                                                | 2.8*                                                                                | 14.6                                                                                |
| 45ft lb        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 7.6*                                                                                | 7.6*                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 6.3*                                                                                | 6.3*                                                                                | 47'4"                                                                               |
| 12.0m t        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 4.3*                                                                                | 4.3*                                                                                | 3.4*                                                                                | 3.4*                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 2.8*                                                                                | 2.8*                                                                                | 15.6                                                                                |
| 40ft lb        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 9.1*                                                                                | 9.1*                                                                                | 6.7*                                                                                | 6.7*                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 6.1*                                                                                | 6.1*                                                                                | 50'10"                                                                              |
| 10.5m t        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 4.7*                                                                                | 4.7*                                                                                | 4.1*                                                                                | 4.1*                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 2.8*                                                                                | 2.8*                                                                                | 16.4                                                                                |
| 35ft lb        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 10.2*                                                                               | 10.2*                                                                               | 8.4*                                                                                | 8.4*                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 6.1*                                                                                | 6.1*                                                                                | 53'7"                                                                               |
| 9.0m t         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 5.2*                                                                                | 5.2*                                                                                | 4.6*                                                                                | 4.6*                                                                                | 3.5*                                                                                | 3.5*                                                                                |                                                                                     |                                                                                     | 2.8*                                                                                | 2.8*                                                                                | 17.1                                                                                |
| 30ft lb        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 11.3*                                                                               | 11.3*                                                                               | 9.8*                                                                                | 9.8*                                                                                | 6.9*                                                                                | 6.9*                                                                                |                                                                                     |                                                                                     | 6.1*                                                                                | 6.1*                                                                                | 55'11"                                                                              |
| 7.5m t         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 6.2*                                                                              | 6.2*                                                                              |                                                                                    | 5.7*                                                                                | 5.7*                                                                                | 5.2*                                                                                | 5.2*                                                                                | 4.1*                                                                                | 4.1*                                                                                |                                                                                     |                                                                                     | 2.8*                                                                                | 2.8*                                                                                | 17.6                                                                                |
| 25ft lb        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 13.4*                                                                             | 13.4*                                                                             |                                                                                    | 12.3*                                                                               | 12.3*                                                                               | 11.0*                                                                               | 11.0*                                                                               | 8.4*                                                                                | 8.4*                                                                                |                                                                                     |                                                                                     | 6.2*                                                                                | 6.2*                                                                                | 57'7"                                                                               |
| 6.0m t         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 6.4*                                                                                | 6.4*                                                                                | 5.8*                                                                                | 5.8*                                                                                | 4.6*                                                                                | 4.6*                                                                                |                                                                                     |                                                                                     | 2.9*                                                                                | 2.9*                                                                                | 17.9                                                                                |
| 20ft lb        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 15.7*                                                                               | 15.7*                                                                               | 14.0*                                                                               | 14.0*                                                                               | 9.6*                                                                                | 9.6*                                                                                |                                                                                     |                                                                                     | 6.4*                                                                                | 6.4*                                                                                | 58'10"                                                                              |
| 4.5m t         |                                                                                   |                                                                                   |                                                                                   | 18.3*                                                                             | 18.3*                                                                             | 13.4*                                                                             | 13.4*                                                                             | 10.6*                                                                             | 10.6*                                                                             | 8.9*                                                                              | 8.9*                                                                              | 7.6*                                                                              | 7.6*                                                                              | 6.7*                                                                              | 6.7*                                                                              |                                                                                    | 6.0*                                                                                | 6.0*                                                                                | 5.3                                                                                 | 5.5*                                                                                | 4.5                                                                                 | 5.0*                                                                                | 3.3*                                                                                | 3.3*                                                                                | 3.0*                                                                                | 3.0*                                                                                | 18.2                                                                                |
| 15ft lb        |                                                                                   |                                                                                   |                                                                                   | 39.3*                                                                             | 39.3*                                                                             | 28.9*                                                                             | 28.9*                                                                             | 23.0*                                                                             | 23.0*                                                                             | 19.2*                                                                             | 19.2*                                                                             | 16.6*                                                                             | 16.6*                                                                             | 14.6*                                                                             | 14.6*                                                                             |                                                                                    | 13.1*                                                                               | 13.1*                                                                               | 11.4                                                                                | 11.9*                                                                               | 9.5                                                                                 | 10.8*                                                                               |                                                                                     |                                                                                     | 6.7*                                                                                | 6.7*                                                                                | 59'7"                                                                               |
| 3.0m t         |                                                                                   |                                                                                   |                                                                                   | 12.5*                                                                             | 12.5*                                                                             | 14.9*                                                                             | 14.9*                                                                             | 11.6*                                                                             | 11.6*                                                                             | 9.5*                                                                              | 9.5*                                                                              | 8.0*                                                                              | 8.0*                                                                              | 7.0*                                                                              | 7.0*                                                                              |                                                                                    | 6.1                                                                                 | 6.2*                                                                                | 5.1                                                                                 | 5.6*                                                                                | 4.3                                                                                 | 5.0                                                                                 | 3.6                                                                                 | 3.6*                                                                                | 3.2*                                                                                | 3.2*                                                                                | 18.3                                                                                |
| 10ft lb        |                                                                                   |                                                                                   |                                                                                   | 30.0*                                                                             | 30.0*                                                                             | 32.2*                                                                             | 32.2*                                                                             | 25.0*                                                                             | 25.0*                                                                             | 20.5*                                                                             | 20.5*                                                                             | 17.4*                                                                             | 17.4*                                                                             | 15.2*                                                                             | 15.2*                                                                             |                                                                                    | 13.1                                                                                | 13.5*                                                                               | 10.9                                                                                | 12.1*                                                                               | 9.2                                                                                 | 10.8                                                                                |                                                                                     |                                                                                     | 7.0*                                                                                | 7.0*                                                                                | 59'11"                                                                              |
| 1.5m t         |                                                                                   |                                                                                   |                                                                                   | 7.7*                                                                              | 7.7*                                                                              | 16.0*                                                                             | 16.0*                                                                             | 12.3*                                                                             | 12.3*                                                                             | 10.0*                                                                             | 10.0*                                                                             | 8.4*                                                                              | 8.4*                                                                              | 6.9                                                                               | 7.2*                                                                              |                                                                                    | 5.8                                                                                 | 6.4*                                                                                | 4.9                                                                                 | 5.7*                                                                                | 4.1                                                                                 | 4.9                                                                                 | 3.5                                                                                 | 3.8*                                                                                | 3.4*                                                                                | 3.4*                                                                                | 18.2                                                                                |
| 5ft lb         |                                                                                   |                                                                                   |                                                                                   | 17.8*                                                                             | 17.8*                                                                             | 34.5*                                                                             | 34.5*                                                                             | 26.6*                                                                             | 26.6*                                                                             | 21.6*                                                                             | 21.6*                                                                             | 18.1*                                                                             | 18.1*                                                                             | 14.9                                                                              | 15.7*                                                                             |                                                                                    | 12.4                                                                                | 13.8*                                                                               | 10.4                                                                                | 12.3                                                                                | 8.8                                                                                 | 10.4                                                                                |                                                                                     |                                                                                     | 7.5*                                                                                | 7.5*                                                                                | 59'10"                                                                              |
| 0m t           |                                                                                   | 4.2*                                                                              | 4.2*                                                                              | 7.3*                                                                              | 7.3*                                                                              | 13.3*                                                                             | 13.3*                                                                             | 12.6                                                                              | 12.7*                                                                             | 9.8                                                                               | 10.3*                                                                             | 7.9                                                                               | 8.6*                                                                              | 6.6                                                                               | 7.4*                                                                              |                                                                                    | 5.5                                                                                 | 6.5                                                                                 | 4.7                                                                                 | 5.5                                                                                 | 4.0                                                                                 | 4.7                                                                                 | 3.4                                                                                 | 3.8*                                                                                | 3.4                                                                                 | 3.6*                                                                                | 18.1                                                                                |
| 0ft lb         |                                                                                   | 9.4*                                                                              | 9.4*                                                                              | 16.4*                                                                             | 16.4*                                                                             | 30.7*                                                                             | 30.7*                                                                             | 27.2                                                                              | 27.5*                                                                             | 21.2                                                                              | 22.3*                                                                             | 17.1                                                                              | 18.6*                                                                             | 14.1                                                                              | 16.0*                                                                             |                                                                                    | 11.8                                                                                | 13.9                                                                                | 10.0                                                                                | 11.8                                                                                | 8.5                                                                                 | 10.1                                                                                |                                                                                     |                                                                                     | 7.5                                                                                 | 8.0*                                                                                | 59'4"                                                                               |
| -1.5m t        |                                                                                   | 5.6*                                                                              | 5.6*                                                                              | 7.9*                                                                              | 7.9*                                                                              | 12.5*                                                                             | 12.5*                                                                             | 12.0                                                                              | 12.7*                                                                             | 9.3                                                                               | 10.4*                                                                             | 7.5                                                                               | 8.7*                                                                              | 6.3                                                                               | 7.4                                                                               |                                                                                    | 5.3                                                                                 | 6.2                                                                                 | 4.5                                                                                 | 5.3                                                                                 | 3.9                                                                                 | 4.6                                                                                 |                                                                                     |                                                                                     | 3.4                                                                                 | 4.0*                                                                                | 17.8                                                                                |
| -5ft lb        |                                                                                   | 12.4*                                                                             | 12.4*                                                                             | 17.8*                                                                             | 17.8*                                                                             | 28.4*                                                                             | 28.4*                                                                             | 25.8                                                                              | 27.6*                                                                             | 20.1                                                                              | 22.5*                                                                             | 16.3                                                                              | 18.9*                                                                             | 13.5                                                                              | 15.9                                                                              |                                                                                    | 11.3                                                                                | 13.4                                                                                | 9.6                                                                                 | 11.4                                                                                | 8.3                                                                                 | 9.9                                                                                 |                                                                                     |                                                                                     | 7.5                                                                                 | 8.8*                                                                                | 58'5"                                                                               |
| -3.0m t        |                                                                                   | 6.9*                                                                              | 6.9*                                                                              | 9.0*                                                                              | 9.0*                                                                              | 12.9*                                                                             | 12.9*                                                                             | 11.6                                                                              | 12.5*                                                                             | 9.0                                                                               | 10.3*                                                                             | 7.3                                                                               | 8.6                                                                               | 6.0                                                                               | 7.2                                                                               |                                                                                    | 5.1                                                                                 | 6.1                                                                                 | 4.4                                                                                 | 5.2                                                                                 | 3.8                                                                                 | 4.5                                                                                 |                                                                                     |                                                                                     | 3.5                                                                                 | 4.2                                                                                 | 17.4                                                                                |
| -10ft lb       |                                                                                   | 15.4*                                                                             | 15.4*                                                                             | 20.2*                                                                             | 20.2*                                                                             | 29.2*                                                                             | 29.2*                                                                             | 25.0                                                                              | 27.1*                                                                             | 19.4                                                                              | 22.3*                                                                             | 15.7                                                                              | 18.6                                                                              | 13.0                                                                              | 15.4                                                                              |                                                                                    | 11.0                                                                                | 13.0                                                                                | 9.4                                                                                 | 11.2                                                                                | 8.1                                                                                 | 9.7                                                                                 |                                                                                     |                                                                                     | 7.7                                                                                 | 9.2                                                                                 | 57'                                                                                 |
| -4.5m t        |                                                                                   | 8.3*                                                                              | 8.3*                                                                              | 10.3*                                                                             | 10.3*                                                                             | 13.9*                                                                             | 13.9*                                                                             | 11.4                                                                              | 12.0*                                                                             | 8.8                                                                               | 9.9*                                                                              | 7.1                                                                               | 8.4*                                                                              | 5.9                                                                               | 7.0                                                                               |                                                                                    | 5.0                                                                                 | 5.9                                                                                 | 4.3                                                                                 | 5.1                                                                                 | 3.7                                                                                 | 4.5                                                                                 |                                                                                     |                                                                                     | 3.6                                                                                 | 4.3                                                                                 | 16.8                                                                                |
| -15ft lb       |                                                                                   | 18.6*                                                                             | 18.6*                                                                             | 23.1*                                                                             | 23.1*                                                                             | 31.5*                                                                             | 31.5*                                                                             | 24.6                                                                              | 25.9*                                                                             | 19.0                                                                              | 21.5*                                                                             | 15.3                                                                              | 18.2*                                                                             | 12.7                                                                              | 15.1                                                                              |                                                                                    | 10.7                                                                                | 12.8                                                                                | 9.2                                                                                 | 11.0                                                                                | 8.1                                                                                 | 9.6                                                                                 |                                                                                     |                                                                                     | 8.0                                                                                 | 9.6                                                                                 | 55'1"                                                                               |
| -6.0m t        |                                                                                   | 9.8*                                                                              | 9.8*                                                                              | 11.8*                                                                             | 11.8*                                                                             | 13.5*                                                                             | 13.5*                                                                             | 11.2*                                                                             | 11.2*                                                                             | 8.7                                                                               | 9.4*                                                                              | 7.0                                                                               | 8.0*                                                                              | 5.8                                                                               | 6.8*                                                                              |                                                                                    | 4.9                                                                                 | 5.9*                                                                                | 4.3                                                                                 | 5.0*                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 3.9                                                                                 | 4.4*                                                                                | 16.1                                                                                |
| -20ft lb       |                                                                                   | 21.9*                                                                             | 21.9*                                                                             | 26.6*                                                                             | 26.6*                                                                             | 29.2*                                                                             | 29.2*                                                                             | 24.1*                                                                             | 24.1*                                                                             | 18.9                                                                              | 20.2*                                                                             | 15.2                                                                              | 17.2*                                                                             | 12.6                                                                              | 14.7*                                                                             |                                                                                    | 10.7                                                                                | 12.6*                                                                               | 9.2                                                                                 | 10.8*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 8.6                                                                                 | 9.8*                                                                                | 52'8"                                                                               |
| -7.5m t        |                                                                                   | 11.4*                                                                             | 11.4*                                                                             | 13.6*                                                                             | 13.6*                                                                             | 11.9*                                                                             | 11.9*                                                                             | 10.1*                                                                             | 10.1*                                                                             | 8.5*                                                                              | 8.5*                                                                              | 7.1                                                                               | 7.3*                                                                              | 5.9                                                                               | 6.3*                                                                              |                                                                                    | 5.0                                                                                 | 5.3*                                                                                | 4.3                                                                                 | 4.5*                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 4.2                                                                                 | 4.3*                                                                                | 15.2                                                                                |
| -25ft lb       |                                                                                   | 25.4*                                                                             | 25.4*                                                                             | 30.5*                                                                             | 30.5*                                                                             | 25.7*                                                                             | 25.7*                                                                             | 21.7*                                                                             | 21.7*                                                                             | 18.4*                                                                             | 18.4*                                                                             | 15.2                                                                              | 15.7*                                                                             | 12.6                                                                              | 13.4*                                                                             |                                                                                    | 10.7                                                                                | 11.4*                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 9.4                                                                                 | 9.5*                                                                                | 49'7"                                                                               |
| -9.0m t        |                                                                                   | 13.1*                                                                             | 13.1*                                                                             | 11.7*                                                                             | 11.7*                                                                             | 10.0*                                                                             | 10.0*                                                                             | 8.6*                                                                              | 8.6*                                                                              | 7.4*                                                                              | 7.4*                                                                              | 6.4*                                                                              | 6.4*                                                                              | 5.4*                                                                              | 5.4*                                                                              |                                                                                    | 4.5*                                                                                | 4.5*                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 4.1*                                                                                | 4.1*                                                                                | 14.1                                                                                |
| -30ft lb       |                                                                                   |                                                                                   |                                                                                   | 24.9*                                                                             | 24.9*                                                                             | 21.5*                                                                             | 21.5*                                                                             | 18.5*                                                                             | 18.5*                                                                             | 15.9*                                                                             | 15.9*                                                                             | 13.6*                                                                             | 13.6*                                                                             | 11.5*                                                                             | 11.5*                                                                             |                                                                                    | 9.4*                                                                                | 9.4*                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 9.1*                                                                                | 9.1*                                                                                | 45'10"                                                                              |
| -10.5m t       |                                                                                   |                                                                                   |                                                                                   | 8.5*                                                                              | 8.5*                                                                              | 7.7*                                                                              | 7.7*                                                                              | 6.8*                                                                              | 6.8*                                                                              | 5.9*                                                                              | 5.9*                                                                              | 5.1*                                                                              | 5.1*                                                                              | 4.2*                                                                              | 4.2*                                                                              |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 3.8*                                                                                | 3.8*                                                                                | 12.7                                                                                |
| -35ft lb       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 16.2*                                                                             | 16.2*                                                                             | 14.4*                                                                             | 14.4*                                                                             | 12.5*                                                                             | 12.5*                                                                             | 10.6*                                                                             | 10.6*                                                                             | 8.6*                                                                              | 8.6*                                                                              |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 8.2*                                                                                | 8.2*                                                                                | 41'1"                                                                               |
| -12.0m t       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 4.5*                                                                              | 4.5*                                                                              | 4.0*                                                                              | 4.0*                                                                              | 3.3*                                                                              | 3.3*                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 3.0*                                                                                | 3.0*                                                                                | 10.9                                                                                |
| -40ft lb       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 7.9*                                                                              | 7.9*                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 6.4*                                                                                | 6.4*                                                                                | 34'11"                                                                              |

 Height  Can be slewed through 360°  In longitudinal position of undercarriage  Max. reach \* Limited by hydr. capacity

The load values are quoted in tons (t) / lb x 1,000 at stick end (without bucket), and may be swung 360° on firm and even ground. Adjacent values are valid for the undercarriage when in the longitudinal position. Capacities are valid for 600 mm / 24" wide track pads. Indicated loads are based on ISO 10567 standard and do not exceed 75% of tipping or 87% of hydraulic capacity (indicated via \*). Without bucket cylinder, link and lever the lift capacities will increase by 320 kg / 710 lb. Lifting capacity of the excavator is limited by machine stability and hydraulic capacity.

Determine maximum load lift from load lift chart displayed in the operator's cab or from load lift chart detailed in the operator's manual supplied with the machine.

# Serial equipment



## Undercarriage

### Track components & tracks & steps

Lashing eyes  
Sprocket with dirt ejector  
Track and carrier rollers, sealed and lifetime-lubricated  
Tracks, sealed and greased



## Equipment

### Boom

Anti-drift system boom cylinders  
Anti-drift system stick cylinder  
Boom cylinders regeneration  
Pivot points made of cast steel  
SAE split flanges on high pressure lines  
Stick cylinder regeneration  
**Stick & attachment mounting**  
Priority setting between speed and force of the stick-in movement



## Uppercarriage

### Hydraulic & engine

Air filter with automatic dust ejector  
Common-Rail injection system  
Dedicated swing circuit  
DEF tank filling indicator<sup>2)</sup>  
DEF tank lockable access hatch<sup>2)</sup>  
Engine coolant level, visible from the cab  
Engine hood with gas spring opening  
Filter with integrated fine filters  
Filters accessible from ground level  
Fixed geometry turbocharger  
Fuel fine filter  
Fuel pre-filter and water separator  
Fuel priming pump  
Hydraulic oil level visible from ground level  
Hydraulic pressure measuring ports  
Intercooler  
Liebherr Positive Control system with 2 independent circuits  
Lockable fuel tank cap with padlock  
Pressure accumulator for controlled lowering of equipment with engine turned off  
Protection grid on radiator fan  
Swing drive gearbox oil level, visible from the cab  
Swing-out radiators  
**Options**  
Access platforms without protruding parts  
Anti skid surfaces  
Handrails  
Lockable service doors  
Lockable storage and accessories compartment  
Magnetic rod  
Main switch accessible from ground level  
Main switch, electric, with timer  
Main switch, manual, lockable  
Sound insulation



## Cab

### Interior

Air-conditioned bottle holder  
Air-conditioned storage compartment  
Armrests adjustable in length, height and inclination  
Automatic air conditioning  
Coat hook  
Consoles linked to the seat and adjustable  
Diagnostic socket  
Document holder behind seat  
Emergency hammer with seat belt cutter  
Emergency stop hydraulic and engine in cab  
Hand free kit  
Hour meters, accessible from ground level  
Inner temperature sensor  
Interior lighting LED  
Key storage  
Liebherr Connect Hard and Software; consider the Liebherr Connect-license customer terms of a license  
Mood lighting LED  
Outer temperature sensor  
Radio Comfort  
Roll-down sun blinds for windscreen and roof window  
Rubber floor mat, fixed on floor and removable  
Seat belt reminder  
Socket in cab (24 V)  
Sockets in cab (USB)  
Solar radiation sensor  
Storage nets  
Storage space backpack  
Storage tablet  
Tilttable console left with safety lever

### Exterior

Bottom windscreen wiper  
Cab air filters, accessible from ground level  
Cab door sliding windows  
Integrated antenna  
Laminated right hand side window  
Preparation for top and front guard FOPS-FGPS  
Rain hood over front window opening  
Rear window emergency exit  
Tinted windows  
Windscreen wiper

### Joystick

Handrests elevated for joysticks

### Use & operation

DEF consumption on touchscreen<sup>2)</sup>  
Engine oil level on touchscreen  
Fuel consumption on touchscreen  
Independent travel<sup>1)</sup>  
Liebherr Power Efficiency Engine Control  
Movement priority setting between swing and boom  
Power mode selector  
Swing braking torque adjustable  
Travel speed management<sup>1)</sup>



## Control

### Safety & operation

Automatic engine idling / speed increase  
Horn  
Modetronic  
Positioning swing brake automatic

### Hydraulic & control

10" color touchscreen  
DEF level on touchscreen<sup>2)</sup>  
Display controller button  
Display with haptic feedback  
Drive-by-joysticks<sup>1)</sup>  
Fuel level on touchscreen  
Hydraulic oil level on touchscreen  
Machine settings personalized on display  
Power modes  
Start / Stop button  
Touchpad 3.5"

### Assistance systems

Inclinometer  
Integrated sensors for assistance systems  
Machine control 2D  
Smartphone interface



## Packages

Smart Travel

<sup>1)</sup> equipment not individually available, but only as predefined packages

<sup>2)</sup> depending on the exhaust gas after-treatment system installed

# Equipment standard / option

## Undercarriage

| Track components & tracks & steps                                          |   |
|----------------------------------------------------------------------------|---|
| Chain guide 1 piece                                                        | + |
| Chain guide 3 pieces                                                       | + |
| Chain guide 4 pieces                                                       | + |
| Chain guide full length                                                    | + |
| Cover and base plate for undercarriage center section                      | ● |
| D7G chains 600 mm / <b>24"</b> triple grouser track pads 52 links          | + |
| D7G chains 750 mm / <b>30"</b> triple grouser track pads 52 links          | + |
| D7G chains 900 mm / <b>35"</b> triple grouser track pads 52 links          | + |
| D8 chains 600 mm / <b>24"</b> double grouser track pads chamfered 51 links | + |
| D8 chains 600 mm / <b>24"</b> triple grouser track pads 51 links           | ● |
| D8 chains 750 mm / <b>30"</b> triple grouser track pads 51 links           | + |
| D8 chains 900 mm / <b>35"</b> triple grouser track pads 51 links           | + |
| Reinforced cover and base plate for undercarriage center section           | + |
| Reinforced cover plate for undercarriage center section                    | + |
| Screws protection for sideframe                                            | + |
| Steps                                                                      | ● |
| Travel drive gearbox protection                                            | + |
| Travel motor housing protection                                            | + |
| Undercarriage HD-V, track gauge 2,390–2,890 mm / <b>7'10"–9'6"</b>         | + |
| Undercarriage HD, track gauge 2,890 mm / <b>9'6"</b>                       | ● |
| Undercarriage WLC-V, track gauge 3,200–3,700 mm / <b>10'6"–12'2"</b>       | + |

## Equipment

| Boom                                                 |                 |
|------------------------------------------------------|-----------------|
| Boom bottom protection                               | +               |
| Boom cylinders rod protection                        | +               |
| Floating boom                                        | +               |
| Headlight guards on boom, right and left             | + <sup>1)</sup> |
| Headlights on boom, LED, 2 pieces                    | + <sup>1)</sup> |
| Headlights on boom, LED+, 2 pieces                   | + <sup>1)</sup> |
| Main control valve block filters                     | + <sup>1)</sup> |
| Mono boom 6.95 m / <b>22'10"</b>                     | +               |
| Mono boom 7.70 m / <b>25'3"</b>                      | +               |
| Mono boom ME 6.50 m / <b>21'4"</b>                   | +               |
| Mono boom MultiUser 9.50 m / <b>31'2"</b>            | +               |
| Mono boom MultiUser 11.50 m / <b>37'9"</b>           | +               |
| Pipe fracture safety valve for stick cylinder        | +               |
| Pipe fracture safety valves for boom cylinders       | +               |
| Stick & attachment mounting                          |                 |
| Bucket cylinder rod protection                       | +               |
| Centralized lubrication extended for connecting link | +               |
| Quick coupler SWA 77 hydraulic for sealed stick      | +               |
| Stick bottom protection                              | +               |
| Stick ME sealed 2.50 m / <b>8'2"</b>                 | +               |
| Stick ME sealed 2.90 m / <b>9'6"</b>                 | +               |
| Stick MultiUser sealed 6.25 m / <b>20'6"</b>         | +               |
| Stick MultiUser sealed 8.55 m / <b>28'1"</b>         | +               |
| Stick sealed 2.90 m / <b>9'6"</b>                    | +               |
| Stick sealed 3.35 m / <b>11'</b>                     | +               |
| Stick sealed 3.90 m / <b>12'10"</b>                  | +               |

## Uppercarriage

| Hydraulic & engine                                                                                    |                 |
|-------------------------------------------------------------------------------------------------------|-----------------|
| Air pre-filter with cyclonical dust trap                                                              | +               |
| Automatic engine shutdown after idling (with timer)                                                   | +               |
| Automatic engine shutdown after idling (without timer)                                                | +               |
| Bypass filter for hydraulic oil                                                                       | +               |
| Declaration of conformity (spark arrester)                                                            | +               |
| Electrical cabinet for pre-heating system (120V)                                                      | +               |
| Engine shut-down with overrun                                                                         | +               |
| Exhaust gas after-treatment system – DOC + DPF + SCR                                                  | +               |
| Hydraulic oil, Liebherr Hydraulic Basic 100 (0 to +55 °C / <b>32 to 131 °F</b> )                      | +               |
| Hydraulic oil, Liebherr Hydraulic HVI (-20 to +40 °C / <b>-4 to +104 °F</b> )                         | ●               |
| Hydraulic oil, Liebherr Hydraulic Plus 37 (-30 to +40 °C / <b>-22 to +104 °F</b> )                    | +               |
| Hydraulic oil, Liebherr Hydraulic Plus, high performance oil (-30 to +45 °C / <b>-22 to +113 °F</b> ) | +               |
| Lighting for engine compartment                                                                       | + <sup>1)</sup> |
| Power Pack EU Stage V + USA Tier 4 Final                                                              | ●               |
| Power Pack Non regulated countries                                                                    | +               |
| Preheating coolant                                                                                    | +               |
| Preheating fuel                                                                                       | +               |
| Preheating hydraulic oil                                                                              | +               |
| Radiator fine mesh protection grid                                                                    | +               |
| Reversible fan drive                                                                                  | +               |
| Tank refilling pump DEF                                                                               | +               |
| Tank refilling pump fuel                                                                              | +               |
| Tropical execution                                                                                    | +               |
| Uppercarriage side rubber bumpers                                                                     | +               |
| Wiggins coupling for engine oil                                                                       | +               |
| Wiggins coupling for fuel                                                                             | +               |
| Counterweight & inspection                                                                            |                 |
| Catwalk front left                                                                                    | +               |
| Catwalk tiltable front left                                                                           | +               |
| Catwalks left and right                                                                               | +               |
| Counterweight 10.9t / <b>24,030 lb</b> (hydraulically removable 8.6t / <b>18,960 lb</b> )             | +               |
| Counterweight heavy 10.9t / <b>24,030 lb</b>                                                          | +               |
| Counterweight standard 9.4t / <b>20,720 lb</b>                                                        | ●               |
| Counterweight super heavy 12.5t / <b>27,560 lb</b>                                                    | +               |
| Motorized tiltable access ladder                                                                      | +               |
| Standard uppercarriage access                                                                         | +               |
| Uppercarriage platform guardrails                                                                     | +               |
| Uppercarriage side access platform with lockable storage                                              | ●               |
| Warning beacons on uppercarriage, rear, LED, 2 pieces                                                 | +               |
| Options                                                                                               |                 |
| Centralized lubrication system (automatic)                                                            | ●               |
| Centralized lubrication system (manual)                                                               | +               |
| Coming / Leaving Home                                                                                 | + <sup>1)</sup> |
| Extended tool set including tool box                                                                  | +               |
| Headlight on uppercarriage, lateral left, LED+, 1 piece                                               | + <sup>1)</sup> |
| Headlight on uppercarriage, lateral right, LED+, 1 piece                                              | + <sup>1)</sup> |
| Headlights on uppercarriage, front, LED, 2 pieces, protections included                               | + <sup>1)</sup> |
| Headlights on uppercarriage, front, LED+, 2 pieces, protections included                              | + <sup>1)</sup> |
| Headlights on uppercarriage, rear, LED+, 2 pieces                                                     | + <sup>1)</sup> |
| Hydraulic tank shut-off valve                                                                         | + <sup>1)</sup> |
| Lighting for cab access                                                                               | + <sup>1)</sup> |
| Lighting for tank area                                                                                | + <sup>1)</sup> |
| Lighting for uppercarriage access                                                                     | + <sup>1)</sup> |
| Luminosity control (LED+ headlights)                                                                  | + <sup>1)</sup> |
| Preparation for fire protection system SBF 127                                                        | +               |
| Rearview mirror on counterweight                                                                      | ●               |
| Rearview mirror on front right hand side                                                              | ●               |
| Reflective warning stickers                                                                           | +               |
| Socket on uppercarriage (24 V)                                                                        | +               |
| Swing ring and lubrication hoses protection                                                           | +               |
| Tool set                                                                                              | ●               |
| Uppercarriage bottom and side protection                                                              | +               |
| Uppercarriage bottom closure sheets                                                                   | ●               |
| Electro                                                                                               |                 |
| Batteries high capacity                                                                               | +               |
| Batteries standard capacity                                                                           | ●               |



## Cab

|                                                              |                 |
|--------------------------------------------------------------|-----------------|
| <b>Interior</b>                                              |                 |
| 2-points seat belt, 2"                                       | ●               |
| 2-points seat belt, 3"                                       | +               |
| 3-points seat belt, 2"                                       | +               |
| Auxiliary heater programmable                                | +               |
| Cleaning air gun                                             | +               |
| Fire extinguisher                                            | +               |
| Footrest                                                     | +               |
| Mobile phone holder with inductive charging                  | +               |
| Multifunction mounting bracket                               | +               |
| Operator's seat Comfort                                      | ●               |
| Operator's seat cover                                        | +               |
| Operator's seat Premium                                      | +               |
| Remote cab lock                                              | + <sup>1)</sup> |
| Roll-down sun blinds for rear and side window, right         | +               |
| Travel alarm system standard switchable                      | +               |
| Travel pedals with travel levers removable                   | +               |
| <b>Exterior</b>                                              |                 |
| Electrically adjustable and heated outside rear-view mirrors | +               |
| FGPS front guard with side opening                           | +               |
| FOPS top guard                                               | +               |
| Headlights on cab, front, LED, 2 pieces                      | + <sup>1)</sup> |
| Headlights on cab, front, LED+, 2 pieces                     | + <sup>1)</sup> |
| Impact resistant one-piece windscreen                        | +               |
| Rearview mirror on cab                                       | ●               |
| Retractable laminated two-piece windscreen                   | +               |
| Roof window wiper                                            | +               |
| ROPS                                                         | +               |
| TOPS                                                         | +               |
| Warning beacon foldable on cab, LED, 1 piece                 | +               |
| <b>Use &amp; operation</b>                                   |                 |
| Filter for hydraulic hammer return flow                      | +               |
| High pressure circuit bypass                                 | +               |
| High pressure circuit flow summation                         | + <sup>1)</sup> |
| Leak oil line for attachment                                 | +               |
| Lift chart                                                   | +               |
| Movement restriction for boom                                | +               |
| Movement restriction for stick                               | +               |
| Switch between high pressure circuit and bucket cylinder     | +               |



## Control

|                                                       |   |
|-------------------------------------------------------|---|
| <b>Safety &amp; operation</b>                         |   |
| Overload warning system                               | + |
| <b>Hydraulic &amp; control</b>                        |   |
| Control John Deere switchable (ISO / John Deere)      | + |
| Double pedal, left                                    | + |
| Double pedal, right                                   | + |
| High pressure circuit with Tool Control               | + |
| Joysticks Premium                                     | ● |
| Medium pressure circuit                               | + |
| <b>Assistance systems</b>                             |   |
| Bucket Fill Assist                                    | + |
| Bucket Fill Assist trial version 500 hrs              | ● |
| Electronic anti-theft protection with code            | + |
| Electronic anti-theft protection with key             | + |
| Machine control 3D Leica                              | + |
| Machine control 3D ready Leica                        | + |
| Machine control semi-automatic Leica                  | + |
| Preparation for external machine control system       | + |
| Rear view and right hand side view monitoring cameras | + |
| Rear view monitoring camera                           | + |
| Skyview 360°                                          | + |
| Weighing system Liebherr                              | + |
| Weighing system Liebherr trial version 500 hrs        | ● |



## General

|                                                                                                  |   |
|--------------------------------------------------------------------------------------------------|---|
| <b>Coating &amp; transport</b>                                                                   |   |
| Declaration of conformity for particulate filter for indoor applications (according to TRGS 554) | + |
| Export packaging                                                                                 | + |
| Protection for sea transportation                                                                | + |
| Special paint                                                                                    | + |
| Standard packaging                                                                               | ● |



## Packages

|                        |   |
|------------------------|---|
| Light package Comfort  | + |
| Light package Premium  | + |
| Light package Service  | + |
| Light package Standard | ● |
| Light package Surround | + |
| Smart Key Comfort      | + |
| Smart Key Standard     | ● |

● = Standard, + = Option

<sup>1)</sup> equipment not individually available, but only as predefined packages

Non-exhaustive list, please contact us for further information.

Options and / or special equipment, supplied by vendors other than Liebherr, are only to be installed with the knowledge and approval of Liebherr in order to retain warranty.

# Information & Sales



## Downloads

All brochures for earthmoving and material handling at a glance.

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## Configurator

Configure the perfect machine for your application.

Start now and choose the ideal solution!



## Energy efficiency calculator

See how much fuel you can save with a Liebherr.

Calculate your consumption now and start saving!



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Your local contacts.

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## Contact form

We will take care of your request.

Get in touch now and we will work on your enquiry together!

## Notes

[illegible]

# The Liebherr Group



## Global and independent: more than 75 years of success

Liebherr was founded in 1949. With the development of the world's first mobile tower crane, Hans Liebherr laid the foundations of a successful family-run company which today comprises more than 150 companies on all continents with over 55,000 employees. The holding company of the Group is Liebherr-International AG in Bulle (Switzerland), whose shareholders are exclusively members of the Liebherr family.

## Technology leadership and pioneering spirit

Liebherr regards itself as a pioneer. This spirit has enabled the company to make a decisive contribution to the technological history of many industries. Today, employees around the world still share the courage of the company founder to take new paths. They are all united by a passion for technology and fascinating products and the determination to perform outstanding work for their customers.

## Widely diversified product program

Not only is Liebherr one of the biggest construction machine manufacturers in the world, it also provides high-quality, user-oriented products and services in a wide range of other areas. The product range includes the segments earthmoving, material handling, deep foundation, mining, mobile and crawler cranes, tower cranes, concrete technology, maritime cranes, aerospace and transportation systems, gear technology and automation systems, refrigerators and freezers, components and hotels.

## Customized solutions and maximum customer value

Liebherr solutions are characterized by maximum precision, outstanding implementation and exceptional longevity. Its mastery of key technologies enables the company to offer its customers customized solutions. For Liebherr, customer focus does not end with the product; it also encompasses a wide range of services that make a real difference.

[www.liebherr.us](http://www.liebherr.us)

## WARNING

Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always start and operate the engine in a well-ventilated area.
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with exhaust system.
- Do not idle the engine except as necessary.

For more information go to [www.P65warnings.ca.gov/diesel](http://www.P65warnings.ca.gov/diesel).

## WARNING

This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information go to [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov).

## Liebherr USA, Co.

Construction Equipment Division • 4800 Chestnut Avenue • Newport News, VA 23607, USA • Phone +1 (757) 240 4250  
[construction.usa@liebherr.com](mailto:construction.usa@liebherr.com) • [www.liebherr.us](http://www.liebherr.us) • [www.facebook.com/LiebherrConstruction](https://www.facebook.com/LiebherrConstruction)