Engineered for excellence

The luffing jib cranes

LIEBHERR

HC-LH and HC-L series

EN

195 HC-LH
230 HC-L
258 HC-L
280 HC-L
440 HC-L
620 HC-L
710 HC-L

Our series of luffing jib cranes

195 HC-LH 6/12

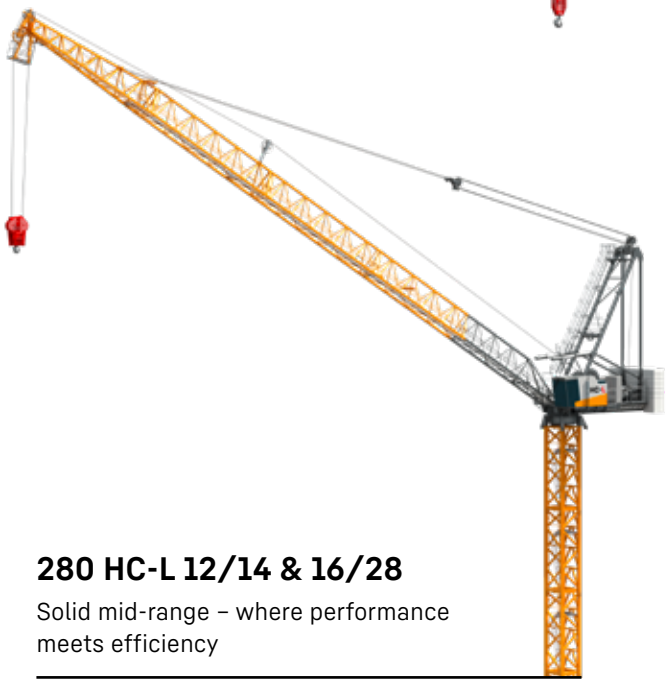
Our hydraulic city crane – ideal for challenging inner-city construction projects

230 HC-L 8/16

Plenty of power – maximum lifting capacity and handling performance, unique in its weight class

258 HC-L 10/18 Fibre

Lighter weight for increased lifting capacity



280 HC-L 12/14 & 16/28

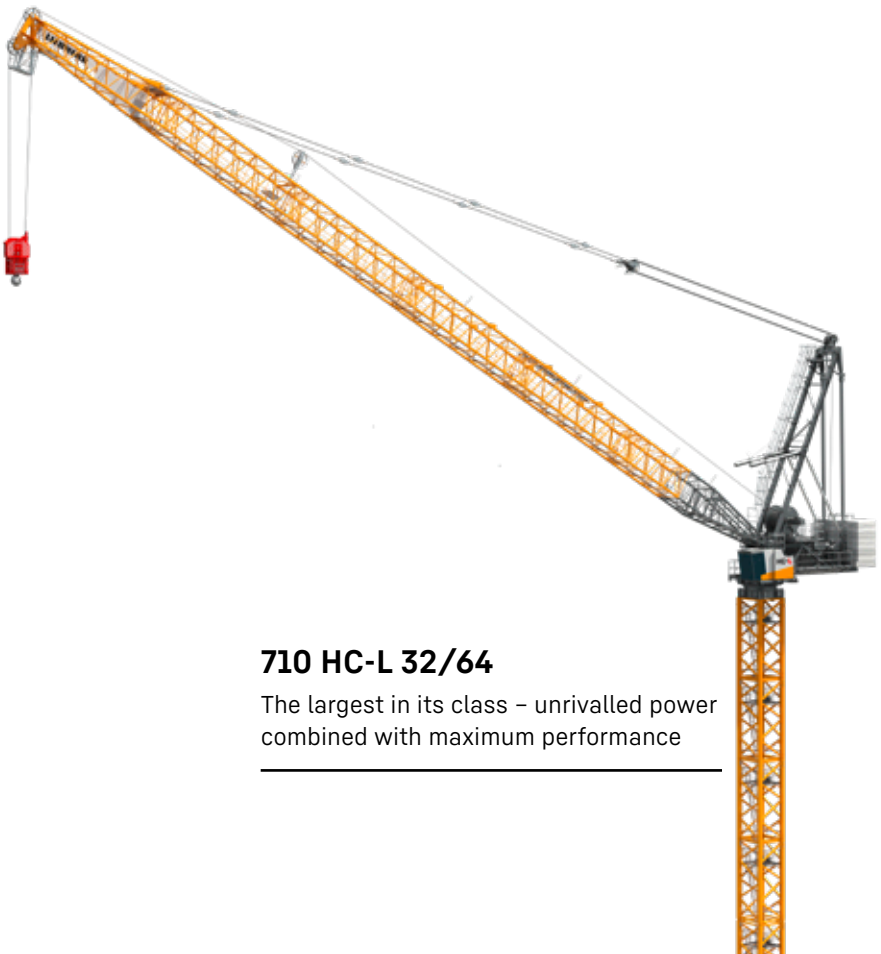
Solid mid-range – where performance meets efficiency

620 HC-L 18/36

The new generation:
A tower of power –
for maximum performance
and adaptability

440 HC-L 12/24 & 18/36

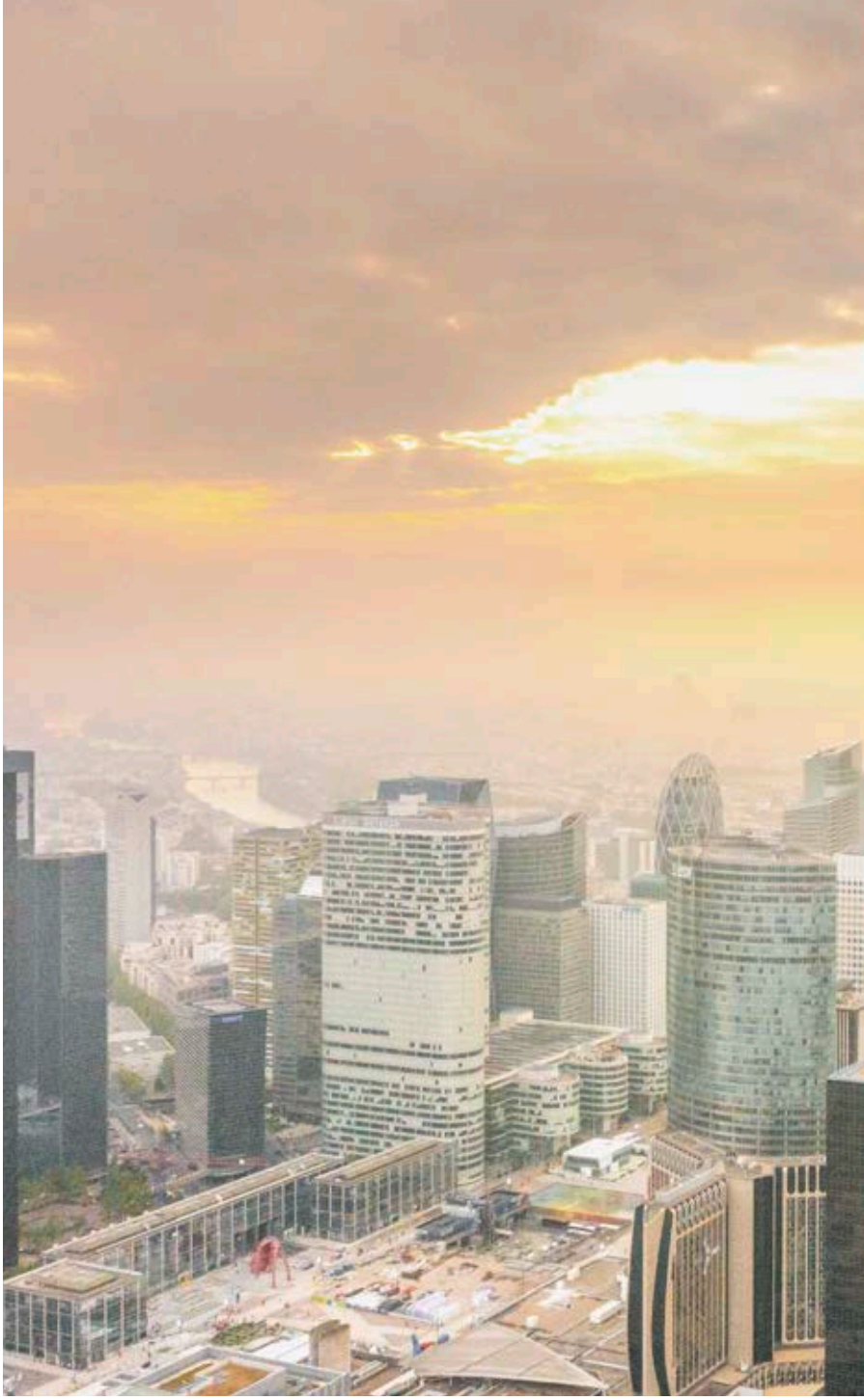
The new generation:
Our allrounders – powerful,
efficient and versatile



710 HC-L 32/64

The largest in its class – unrivalled power combined with maximum performance

Minimum space



195 HC-LH

Max. radius
55.0 m

Jib head lifting capacity
2.55 t

Max. lifting capacity
12 t

Out of service position
9.6 m

230 HC-L

Max. radius
60.0 m

Jib head lifting capacity
1.9 t

Max. lifting capacity
16 t

Out of service position
12.6 m

258 HC-L

Max. radius
60.0 m

Jib head lifting capacity
2.5 t

Max. lifting capacity
18 t

Out of service position
12.6 m

280 HC-L

Max. radius
60.0 m

Jib head lifting capacity
3.2 t / 3.0 t

Max. lifting capacity
24 t / 28 t

Out of service position
13.4 m

440 HC-L

Max. radius
65.0 m

Jib head lifting capacity
4.45 t / 4.05 t

Max. lifting capacity
24 t / 36 t

Out of service position
10.7 m

620 HC-L

Max. radius
65.0 m

Jib head lifting capacity
7.55 t

Max. lifting capacityt
36 t

Out of service position
12.0 m

710 HC-L

Max. radius
65.0 m

Jib head lifting capacity
7.2 t

Max. lifting capacity
64 t

Out of service position
15.5 m

Minimum space. Maximum possibilities.

Liebherr's luffing jib cranes have been specifically developed for use on construction sites where efficiency and maximum flexibility are essential.

Liebherr luffing jib cranes enable precise and safe load handling in tight environments. Their large rope capacities and powerful Liebherr hoist winches make the luffing jib cranes perfect for construction projects that reach for the sky.

Advanced technologies such as Load-Plus, Micro-move and level luffing give the cranes a focus on safety and usability. Their high lifting capacity makes the Liebherr luffing jib cranes an ideal choice for construction companies that value performance as well as quality.

Minimum space. Maximum adaptability.

Out of service position

Extremely narrow out of service positions allow our luffing jib cranes to be positioned with greater flexibility. Cranes can be positioned closer to buildings and property boundaries. This significantly optimises lifting capacity coverage on site. Plus, smaller cranes can be used on large construction sites, which in turn boosts cost-efficiency.

Maximum number of cranes on site

Fits into any gap

Several cranes can also be positioned more efficiently in relation to each other thanks to their compact out of service positions, resulting in a significant increase in productivity on site.

Minimum radius

The crane series offers a very small minimum radius. This allows loads to be picked up close to the tower, which is a major advantage on cramped construction sites in urban areas. Trucks can also be unloaded closer to the crane, avoiding the need to lift loads over adjacent roads. This increases safety, reduces space requirements and ensures excellent adaptability to site conditions.

Reduced collision circle radius

The compact length of the counter-jib allows the cranes to be used in increasingly space-restricted site environments. The collision circle radius of our cranes can be further reduced with optional steel ballast if required.

Minimum space. Maximum height.

When a project's requirements can't be met using a crane's possible free-standing hook height, luffing jib cranes can climb instead.

Climbing on the building

The cranes are anchored to the building with tie-ins, providing structural support so that they can grow upwards together with the building. Liebherr's portfolio of luffing jib cranes is optimally aligned with the tower system for safe climbing. Electronic monitoring and a reduced load chart offer additional safety. The luffing jib cranes in this series can dismantle the tie-ins themselves when climbing down, which further increases efficiency.

Climbing inside the building

The Liebherr luffing jib cranes can also be positioned inside buildings, for example in a lift shaft. As construction progresses, the crane (including the tower) is able to climb upwards with the help of a hydraulic power pack and without the need for additional tower sections. The crane is secured in the building by climbing frames, allowing it to be centrally positioned on the construction site. More extensive lifting coverage is possible on site as a result. Fewer cranes are therefore required, which leads to an increase in efficiency.

Minimum space. Maximum performance.

The hoist winches of our luffing jib cranes are specially designed for this crane class and are therefore technically optimised to meet requirements. Maximum handling capacity is achieved as a result.

1 or 2-fall operation

The Liebherr cranes feature 1 and 2-fall operation. 1-fall operation offers maximum lifting speeds and ensures fast construction progress. By contrast, 2-fall operation allows the crane's maximum lifting capacity to be utilised, which is important when working with prefabricated parts and heavy loads.

Rope capacity

Liebherr opts for maximum rope capacities for its luffing jib cranes. As a result, these cranes are an excellent choice when maximum heights are required.

Drives

The drive performance of our luffing jib cranes can be selected depending on the construction project. The different drive options enable high performance with maximum efficiency. Liebherr's in-house manufactured hoist winches are optimally tailored to our luffing jib cranes and offer impressive reliability.

Slewing gears

The FC slewing gear drives enable stepless slewing, even at micro speeds. Wind and load influences are recognised. Integrated, electric free jib slewing allows the jib to be released directly from the tower base.

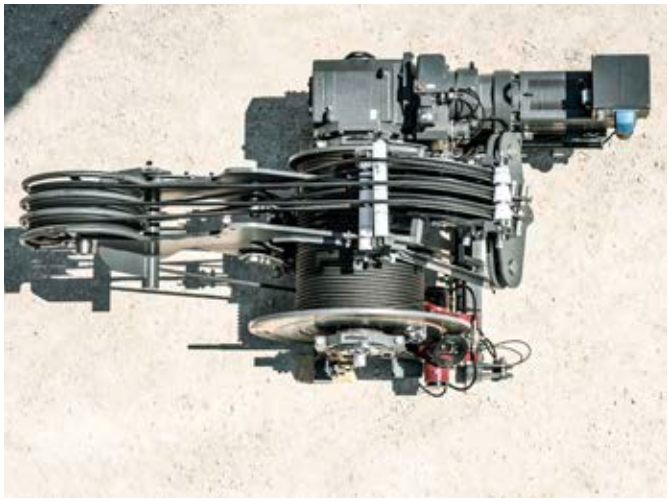
Minimum space.
Maximum performance.

The jib is able to move vertically thanks to the luffing mechanism. This gives the crane greater adaptability and makes it a great choice for confined spaces such as those found in urban environments.

The luffing units of our luffing jib cranes guarantee maximum precision and flexibility in terms of the load, fast luffing times for fast load handling as well as sensitive stepless operation.

Hydraulic luffing unit

The 195 HC-LH hydraulic luffing jib crane scores points with its powerful hydraulic power unit and hydraulic cylinder combination. This increases productivity on site through high performance and precise load positioning. Sensors ensure complete control of the luffing motion, regardless of wind conditions. Minimum effort for maximum performance.

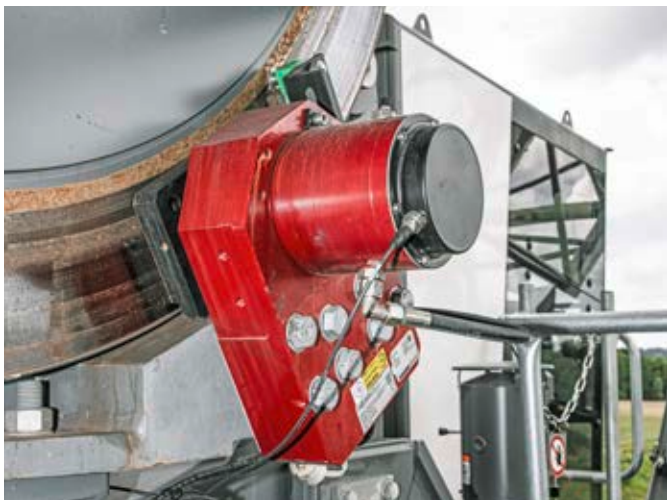


Rope luffing unit

The Liebherr HC-L series utilises rope luffing units that are designed to offer a high degree of flexibility and adaptability during use. The luffing units enable precise control of the jib's position. This is key to efficiently meeting different lifting requirements.

Luffing speed

Liebherr luffing jib cranes offer a load-dependent luffing speed. This increases efficiency when lifting loads, which increases load handling and leads to significantly faster construction progress. The crane's luffing speed is automatically adjusted to the weight of the load being lifted.

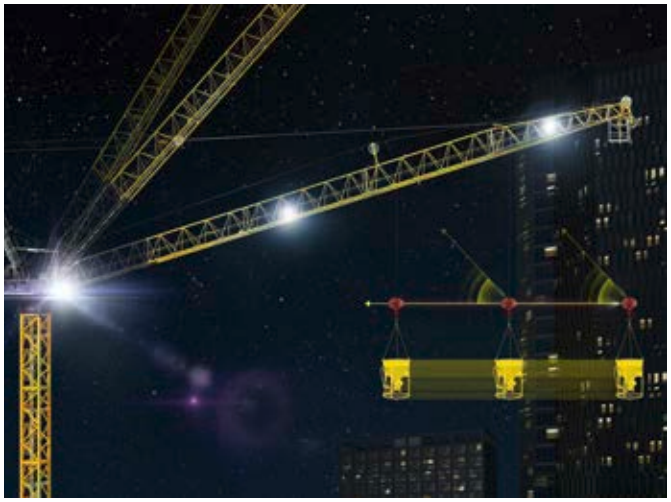


Maximum safety

All our luffing winches are equipped with a secondary brake as standard.

Minimum space. Maximum intelligence.

Modern construction in the 21st century is above all characterised by increasing complexity, shortage of space, and time and cost pressures. The demands on construction machine operators are growing, especially when it comes to tower cranes. Our control system offers a range of modern assistance features to support crane operators in their work as well as to increase handling performance, reliability, and safety.



Level luffing

Thanks to their level luffing function, the luffing jib cranes can automatically level the load at the touch of a button. This makes positioning much easier and manual readjustments are no longer necessary.

Load-Plus

The innovative Load-Plus function enables an increase in performance of up to 25 % at the touch of a button for those extra heavy one-off lifts. Load-Plus delivers powerful, yet controlled lifting of heavy loads and offers extra flexibility, which is invaluable when every kilogram counts on site.

Micromove

Micromove allows particularly sensitive components to be positioned precisely without being damaged.

Slew safety area limitation (ABB)

Areas that need to be avoided when slewing with a load can be easily and clearly excluded via the display. As every metre counts on site, the slew safety area limitation function offers multiple teach points so that the luffing jib crane's working area is defined with extra precision.

Minimum space.
Maximum comfort.

LiCAB® cabin

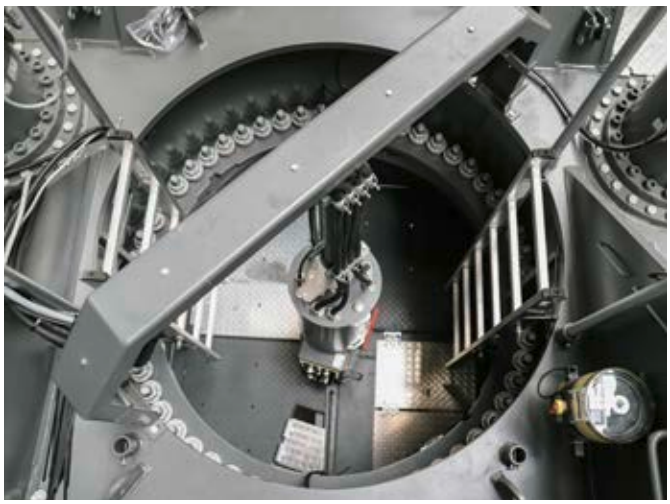
The LiCAB® cabin offers more space than any other cabin to date. An organised interior layout, a new control stand that can be individually adjusted, and various additional features create an optimal work environment. The LiCAB® offers a clear and safe view forwards and downwards. By tilting or moving the seat and adjusting the armrests, the control stand can be ergonomically adapted to the individual needs of each crane operator.

TC-OS display

All settings are coordinated via the central multi-touch display. Everything is networked together so that each control element displays the same information at the same time. Clear menu navigation and operating elements, an intuitive display, and flexibility in the display of content – the Tower Crane Operation System (TC-OS) user interface makes operating, servicing and scaling safe and effective.

AC500 PLC control system

The Liebherr Litronic AC500 PLC control system offers maximum safety thanks to an intelligent high-performance control concept and is based on the proven Liebherr Litronic system for luffing jib cranes. Intelligent assistance systems such as Load-Plus, Micromove and level luffing ensure easy handling and operation.



Slipring assembly

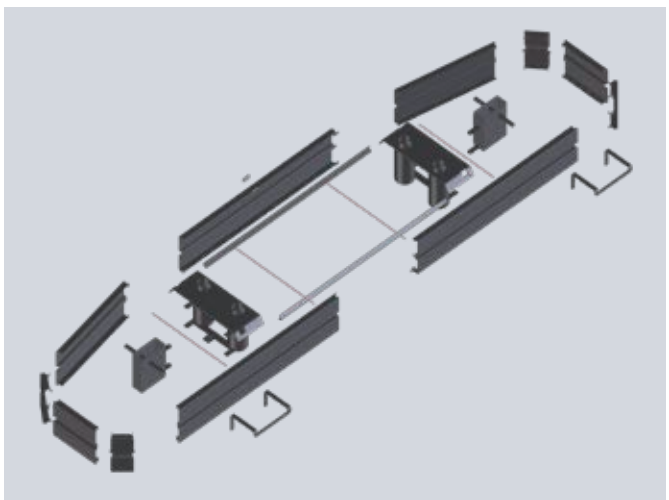
All our luffing jib cranes are equipped with a slipring assembly as standard. This allows the cranes to rotate in both directions without restriction or limitations, which increases productivity, safety and convenience.

Minimum space. Maximum ballast options.

The ballast blocks are attached in a horizontal position, which means that their transport and assembly positions are identical. This eliminates the task of turning the blocks and also ensures maximum safety as the risk of chipping or cracking is minimised. The assembly position above the counter-jib also guarantees that the maximum tower height can be utilised.

Concrete with or without frame

Concrete ballast is a cost-effective and efficient solution perfect for general use. An additional outer frame is available to protect the concrete blocks. This option offers maximum safety and protects the ballast blocks during transport, assembly and throughout use.



Steel

The steel block ballast option results in a shorter counter-jib. This reduces the swing radius, which is a decisive factor for use in inner-city areas where space is tight. The material properties of steel make this ballast option more durable and robust.

Frames

Our concrete frames can also be delivered in dismantled form. Sea transport in particular becomes even more cost-efficient as both weight and space are minimised. The frames can be assembled on site and serve as formwork for self-filling. The galvanised design protects the blocks from environmental factors and increases the service life of the ballast solution.

Tower Crane Solutions

Minimum space. Maximum support.

Global expertise, local partners

Custom solutions direct from the manufacturer – Tower Crane Solutions specialises in consulting and planning services for large and special projects as well as custom applications for tower cranes, particularly in the fields of mining, shipyard work, and power station and plant construction.

In addition, Tower Crane Solutions delivers CAD-supported digital construction site planning with the aim of offering customers a comprehensive service for the cost-effective use of cranes.

Minimum space. Maximum support.

Tailored planning for every kind of project

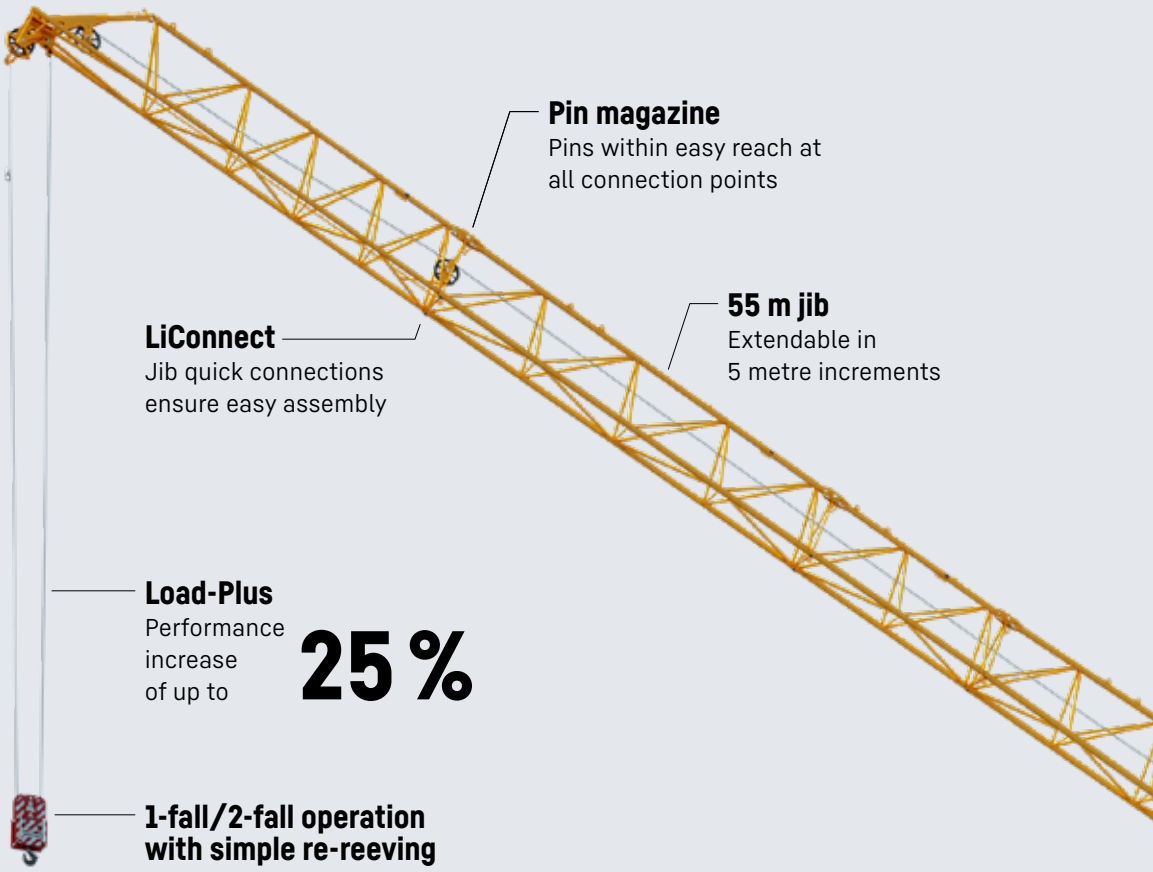
With high lifting capacities, flexible usage options and minimal out of service positions, Liebherr luffing jib cranes are perfect for complex construction projects. Their outstanding performance and versatility also make them ideal for special tasks at shipyards and mines as well as for power station and plant construction. Tower Crane Solutions provides support with extensive expertise and customised solutions to efficiently meet specific requirements.

Flexibility and efficiency

Projects in inner-city areas place high demands on the flexibility and efficiency of construction logistics. Short construction time frames and limited space often require the use of several cranes in a confined space to allow the project to progress quickly. This is exactly where the HC-L series comes into play; it's perfect for such challenges. Supported by the services of Tower Crane Solutions and decades of expertise in building construction, Liebherr ensures an economical and smooth construction process.

195 HC-LH 6/12

At a glance



Pin magazine
Pins within easy reach at all connection points

55 m jib
Extendable in 5 metre increments

LiConnect
Jib quick connections ensure easy assembly

Load-Plus
Performance increase of up to **25 %**

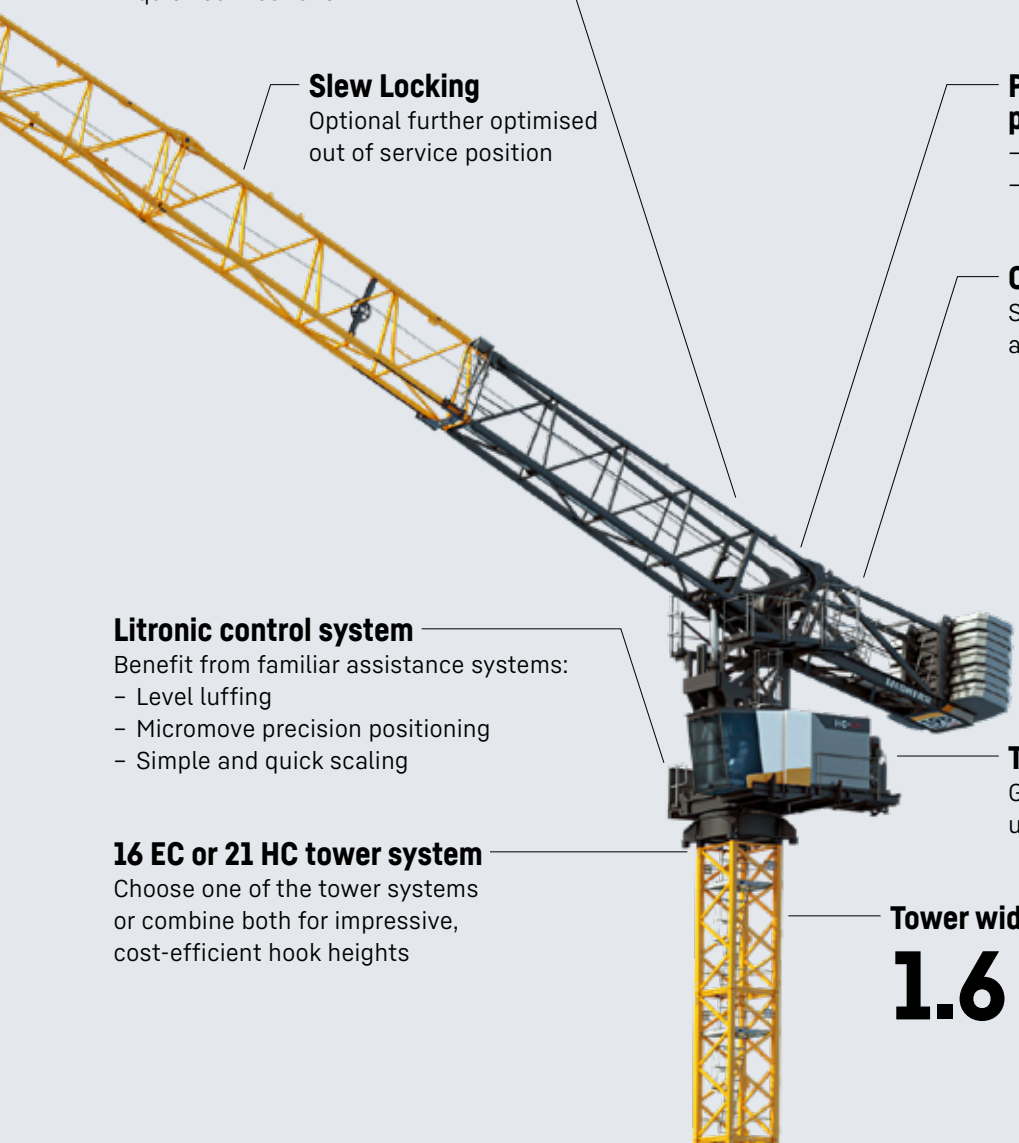
1-fall/2-fall operation with simple re-reeving
Optimal lifting capacities in 1-fall operation thanks to additional bolt-on weight

Assembly optimisations
- Clever connection solutions for the central unit
- Electric and hydraulic quick connections

Slew Locking
Optional further optimised out of service position

Proven Liebherr high-performance hoist winches
- Permanently installed on jib
- Hook speeds of up to 233 m/min

Compact counter-jib
Stacked design guarantees a minimal swing radius of 7.9 m



Litronic control system
Benefit from familiar assistance systems:
- Level luffing
- Micromove precision positioning
- Simple and quick scaling

Standardized ballast
With optional ballast frame

Tower Crane OS
Generous touch display with familiar user interface (UI) from top-slewing cranes

16 EC or 21 HC tower system
Choose one of the tower systems or combine both for impressive, cost-efficient hook heights

Tower width
1.6 m


LIEBHERR
195
HC-LH
Your Brand

195 HC-LH

Liebherr's 195 HC-LH is a hydraulic luffing jib crane designed for use on inner-city construction sites where space and flexibility are decisive factors.

The crane combines the familiar performance of Liebherr luffing jibs with powerful hydraulics. The hydraulic luffing system enables fast and precise luffing in under 90 seconds. Speed and precision ensure optimum safety throughout the entire construction process.

6 t / 12 t	2.55 t	55.0 m	9.6 m

The high-performance hoist winches, already familiar from the EC-B series, feature Liebherr's own drives.

195 HC-LH 6/12

Product-specific features

The 195 HC-LH 6/12 can be optimally adapted to everyday conditions on site and requires very little space.

This adaptability is achieved through its reduced out of service position and minimal swing radius, and the fact that the cabin is mountable on either side. A reduced out of service position of 9.6 metres allows the crane to be positioned closer to obstacles e.g. buildings and site boundaries. If things get really tight, the 195 HC-LH can be locked in place for shorter radii.

Transporting the crane is designed to be as convenient and simple as possible. Four trucks or containers are enough to transport the HC-LH to its next job location. Ready-to-use assembles save time during crane assembly and ensure safe handling. A concept highlight: the jib can be completely pre-assembled on the ground. Even the hoist rope and hook block can be reeved ready for use. This enables quick and safe assembly as working at great height isn't required.

The jib can be completely pre-assembled on the ground.

2-fall operation maximises performance,
while 1-fall operation maximises handling capacity.

Connections to flexible tower systems, including the 16 EC 240 and 21 HC 290, enable both internal and external climbing solutions. Combining both systems together with a transition tower section makes it possible to achieve cost-efficient, high tower heights. Use of the 16 EC 240 in particular allows the crane to be positioned centrally on site, for example in the lift shaft. This allows all areas to be served from a central point and optimises load chart coverage. In practical terms, this means that a smaller crane can be used on site rather than a larger machine that would need setting up next to the building.

Technical data: 195 HC-LH 6/12

Radius and lifting capacity

LM 1

m	m	t	30.0	35.0	40.0	45.0	50.0	55.0
55.0	3.0 - 30.9	6						55.3 m 2.15
50.0	3.0 - 33.1	6					50.3 m 3.00	
45.0	3.0 - 34.9	6				45.3 m 3.85		
40.0	3.0 - 36.7	6			40.3 m 4.85			
35.0	3.0 - 35.3	6		35.3 m 6.00				
30.0	3.0 - 30.3	6	30.3 m 6.00					

m	m	t	30.0	35.0	40.0	45.0	50.0	55.0
55.0	3.0 - 22.5	8						54.9 m 1.60
50.0	3.0 - 19.9	10					49.9 m 2.45	
45.0	3.0 - 17.6	12				44.9 m 3.30		
40.0	3.0 - 18.5	12			39.9 m 4.30			
35.0	3.0 - 19.1	12		34.9 m 5.55				
30.0	3.0 - 19.5	12	7.05					

t

Load-Plus

m	m	t	30.0	35.0	40.0	45.0	50.0	55.0
55.0	3.0 - 33.1	6						55.3 m 2.55
50.0	3.0 - 35.4	6					50.3 m 3.40	
45.0	3.0 - 37.2	6				45.3 m 4.25		
40.0	3.0 - 38.0	6			40.3 m 5.25			
35.0	3.0 - 35.3	6		35.3 m 6.00				
30.0	3.0 - 30.3	6	30.3 m 6.00					

m	m	t	30.0	35.0	40.0	45.0	50.0	55.0
55.0	3.0 - 24.0	8						54.9 m 2.00
50.0	3.0 - 20.9	10					49.9 m 2.85	
45.0	3.0 - 18.6	12				44.9 m 3.70		
40.0	3.0 - 19.5	12			39.9 m 4.70			
35.0	3.0 - 20.1	12		34.9 m 5.90				
30.0	3.0 - 20.4	12	7.40					

t

Radius and hoisting height

Minimum out of service radius

Jib (m)	Out of service position (α°)					
	standard			reduced		
	α	(m)	(m)	α	(m)	(m)
55	74.2°	15.0	14.6	79.0°	10.4	10.0
50	72.6°	15.0	14.6	78.0°	10.3	10.0
45	70.6°	15.0	14.6	76.6°	10.4	10.0
40	75.5°	10.0	9.6	-	-	-
35	73.4°	10.0	9.6	-	-	-
30	70.7°	10.0	9.6	-	-	-

Drives

45 kW FC

WIW 260 MZ 417

kVA: 80.0	t	m/min	t	m/min
650 m	6.00	0 ↔ 39	12.00	0 ↔ 19
↔ stepless	0.20	0 ↔ 207	0.55	0 ↔ 116
5 layers				

65 kW FC

WIW 280 MZ 415

kVA: 101.0	t	m/min	t	m/min
650 m	6.00	0 ↔ 56	12.00	0 ↔ 28
↔ stepless	0.80	0 ↔ 233	2.25	0 ↔ 116
5 layers				

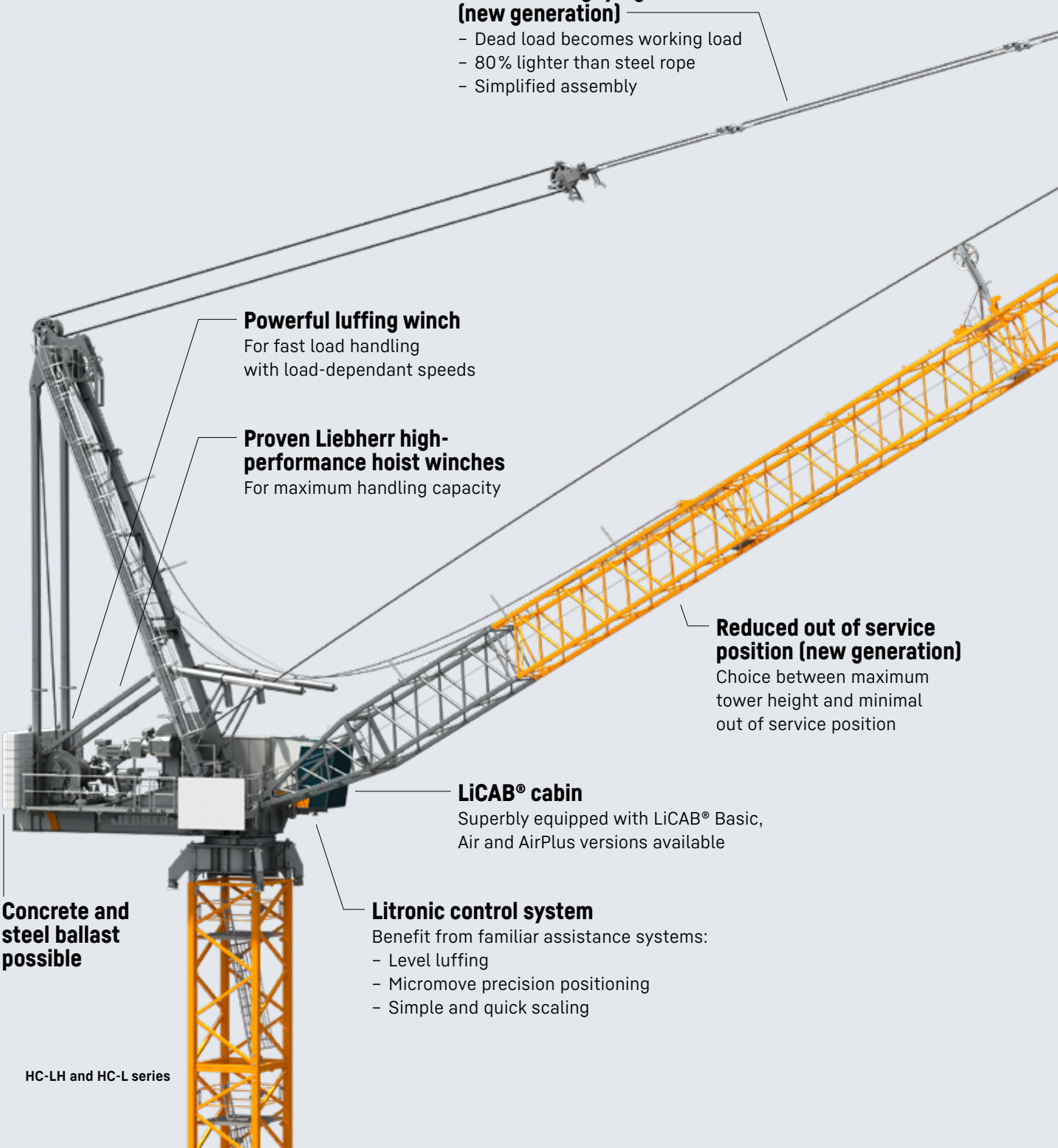
0 ↔ 0.7 rpm 2 x 5 kW FC	1.5 min 30 kW

Lifting capacities valid up to 100 m hoisting height. Over 100 m hoisting height, the lifting capacity is reduced by the additional rope weight.

Minimum outreach valid for configuration without guide section.

HC-L series

Engineered for excellence



Aramid fibre guying (new generation)
- Dead load becomes working load
- 80 % lighter than steel rope
- Simplified assembly

Powerful luffing winch
For fast load handling with load-dependant speeds

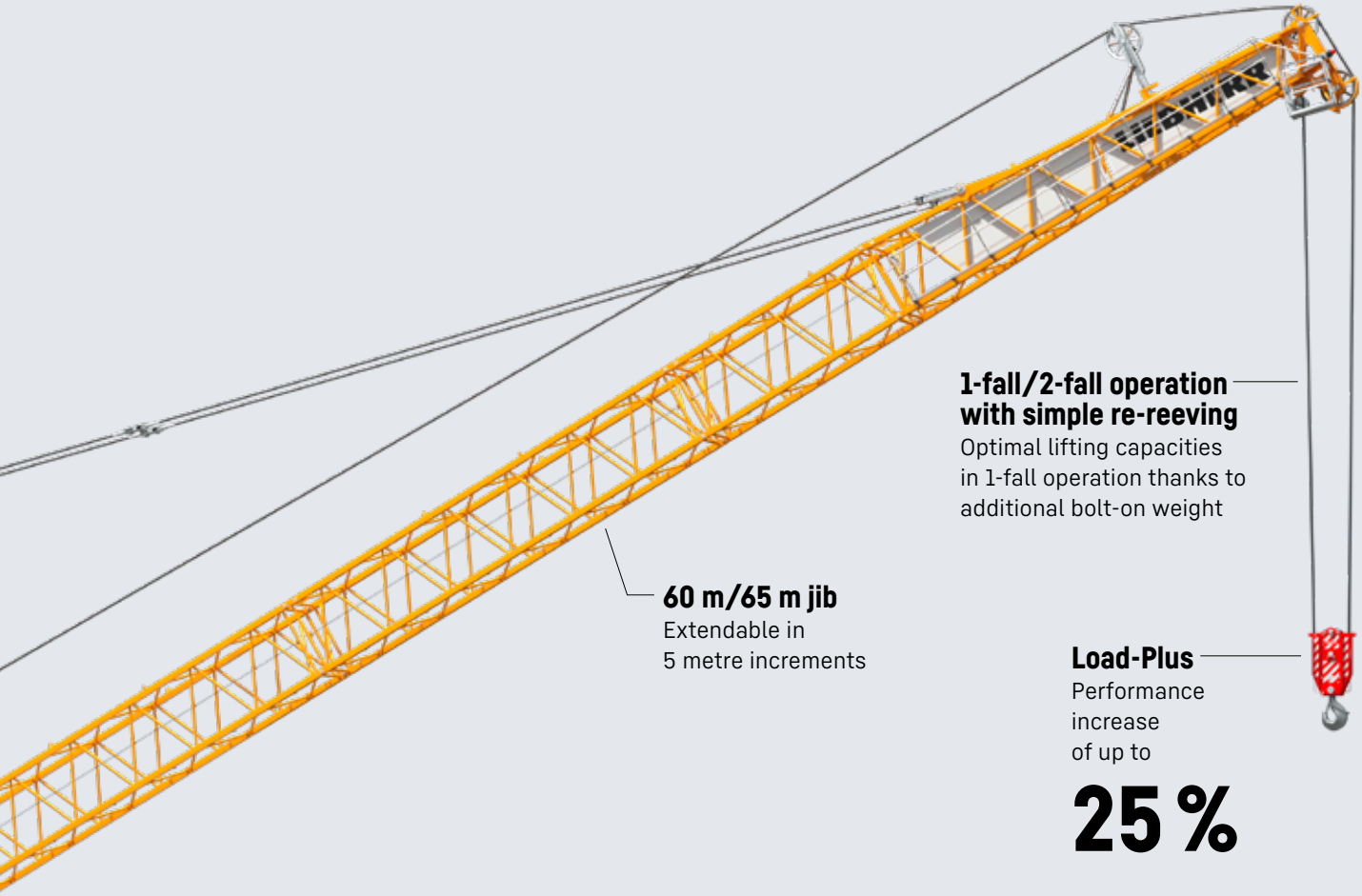
Proven Liebherr high-performance hoist winches
For maximum handling capacity

Reduced out of service position (new generation)
Choice between maximum tower height and minimal out of service position

LiCAB® cabin
Superbly equipped with LiCAB® Basic, Air and AirPlus versions available

Litronic control system
Benefit from familiar assistance systems:
- Level luffing
- Micromove precision positioning
- Simple and quick scaling

Concrete and steel ballast possible



1-fall/2-fall operation with simple re-reeving
Optimal lifting capacities in 1-fall operation thanks to additional bolt-on weight

60 m/65 m jib
Extendable in 5 metre increments

Load-Plus
Performance increase of up to

25 %

230 HC-L
258 HC-L
280 HC-L

Liebherr's mid-range luffing jib cranes, including the 230, 258 and 280 HC-L models, are true all-rounders with optimal lifting capacities and adaptability.

All mid-range crane models feature a triangular lattice jib. These reliable machines are used all over the world and are particularly popular for urban areas, where their high lifting capacity and choice of hoist winches offer considerable advantages. Our mid-range luffing jib cranes have optimal lifting capacities for their size. In combination with our 355 IC tower system, with slimline dimensions of just 1.9 m x 1.9 m, flexible and central positioning is guaranteed. Narrow lift shafts and minimal clearance to existing buildings are no problem at all for our medium-class machines.

				
230 HC-L 8/16	16 t	1.9 t	60.0 m	12.6 m
258 HC-L 10/18 Fibre	18 t	2.5 t	60.0 m	12.6 m
280 HC-L 12/24 + 16/28	24 t / 28 t	3.2 t / 3.0 t	60.0 m	13.4 m

230 HC-L 8/16 · 258 HC-L 10/18 Fibre · 280 HC-L 12/24 & 16/28

Product-specific features

These luffing jib cranes are absolute all-rounders and hard workers on site. The 230 HC-L is a real tower of power in its class, while the 258 HC-L impresses as a Fibre version. The 280 HC-L can be optimally adapted to construction site requirements thanks to its different maximum lifting capacities.

Our mid-class luffing jib cranes offer cost-optimised transport without the need for special transportation. Thanks to adaptable assembly units and quick assembly connections, economical use is guaranteed. High handling capacities through low-maintenance and high-performance drives, 1-fall and 2-fall operation, ergonomic work environments for crane operators, and a safety-orientated Litronic control system ensure safe and efficient operation. Modern assistance systems such as slew safety area limitation, level luffing and Micromove also play their part in this.

NKT Tower 3 in Karlskrona

Seascape in New Zealand

The 258 HC-L Fibre is particularly noteworthy. The crane impresses with higher performance across its entire load chart thanks to the reduced weight of the rope and hook block. As a result of special materials and a distinctive design, the fibre rope is more durable than existing steel rope.

Technical data: 230 HC-L 8/16

Radius and lifting capacity

m			t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0
60.0		3.2 - 24.5	8							1.90
55.0		3.1 - 27.1	8						2.90 (54.7 m)	
		2.7 - 19.3	12						2.30	
50.0		3.0 - 30.3	8					3.90 (49.5 m)		
		2.6 - 16.0	16					3.20		
45.0		2.9 - 33.2	8				5.20 (44.5 m)			
		2.5 - 17.3	16				4.50			
40.0		2.8 - 34.4	8			6.50 (39.5 m)				
		2.4 - 18.3	16			5.90				
35.0		2.7 - 35.1	8		8.00 (34.5 m)					
		2.3 - 19.3	16		7.70					
30.0		2.6 - 30.1	8	8.00 (29.5 m)						
		2.2 - 20.3	16	9.90						

t

Radius and hoisting height

Minimum out of service radius

Jib (m)	Out of service position (α°)		
	α	(m)	(m)
60	73°	19.7	-
55	74°	17.3	16.8
50	74°	15.9	15.4
45	74°	14.4	14.0
40	72°	14.3	13.9
35	70°	13.9	13.4
30	68°	13.1	12.6

Drives

65 kW FC

WIW 280 MZ 416

kVA: 140.0[1]	t	m/min	t	m/min
552 m	8.00	0 ↔ 39	16.00	0 ↔ 19
↔ stepless	1.30	0 ↔ 160	3.10	0 ↔ 80
4 layers				

110 kW FC

WIW 300 VZ 439

kVA: 176.0[1]	t	m/min	t	m/min
max. 892 m	8.00	0 ↔ 69	16.00	0 ↔ 34
↔ stepless	4.00	0 ↔ 126	8.10	0 ↔ 63
4 layers	4.80	0 ↔ 109	9.70	0 ↔ 54
	1.90	0 ↔ 217	4.20	0 ↔ 109
	2.60	0 ↔ 182	5.30	0 ↔ 91
	0.65	0 ↔ 363	2.00	0 ↔ 182

0 ↔ 0.7 rpm
2 x 7.5 kW FC

1.2 min
65 kW FC

[1] kVA can be reduced in case of too little power of the mains, see instruction manual.

Lifting capacities valid up to 100 m hoisting height. Over 100 m hoisting height, the lifting capacity is reduced by the additional rope weight.

Technical data: 258 HC-L 10/18 Fibre

Radius and lifting capacity

m			t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0
60.0	[2]	3.2 - 29.0	8							60.1 m 2.50
		3.2 - 28.3	8							60.1 m 2.30
55.0	[2]	3.1 - 25.9	10						56.1 m 3.50	
		3.1 - 25.2	10						58.1 m 3.30	
		2.7 - 18.0	14						54.7 m 3.30	
50.0	[2]	3.0 - 27.9	10					50.1 m 4.50		
		3.0 - 27.2	10					50.1 m 4.30		
		2.6 - 17.0	16					49.5 m 4.30		
45.0	[2]	2.9 - 29.6	10				45.1 m 5.70			
		2.9 - 28.9	10				45.1 m 5.50			
		2.5 - 16.8	18				44.5 m 5.50			
40.0	[2]	2.8 - 30.8	10			40.1 m 7.10				
		2.8 - 30.2	10			40.1 m 6.90				
		2.4 - 17.8	18			39.5 m 6.90				
35.0	[2]	2.7 - 31.5	10		35.1 m 8.80					
		2.7 - 30.9	10		35.1 m 8.60					
		2.3 - 18.5	18		34.5 m 8.60					
30.0	[2]	2.6 - 30.0	10	30.1 m 10.00						
		2.6 - 30.0	10	30.1 m 10.00						
		2.2 - 19.3	18	29.5 m 10.90						

t

Radius and hoisting height

Minimum out of service radius

Jib (m)	Out of service position (α°)		
	α	(m)	(m)
60	73°	19.7	-
55	74°	17.3	16.8
50	74°	15.9	15.4
45	74°	14.4	14.0
40	72°	14.3	13.9
35	70°	13.9	13.4
30	68°	13.1	12.6

Drives

65 kW FC SD.shift LWP0824 9FE 001

kVA: 140.0[1]
max. 755 m
↔ **stepless**
4 layers

t	m/min	t	m/min
10.00	0 ↔ 34	18.00	0 ↔ 19
2.90	0 ↔ 113	5.70	0 ↔ 56
5.60	0 ↔ 60	11.20	0 ↔ 30
1.40	0 ↔ 217	2.80	0 ↔ 108

110 kW FC SD.shift LWP0824 9FE 002

kVA: 176.0[1]
max. 755 m
↔ **stepless**
4 layers

t	m/min	t	m/min
10.00	0 ↔ 58	18.00	0 ↔ 32
3.60	0 ↔ 156	7.10	0 ↔ 78
5.90	0 ↔ 97	11.70	0 ↔ 49
2.00	0 ↔ 265	4.00	0 ↔ 133

0 ↔ 0.7 rpm
2 x 7.5 kW FC

1.2 min
65 kW FC

Technical data: 280 HC-L 12/24 & 16/28

Radius and lifting capacity

280 HC-L 12/24

m			t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0
60.0		3.1 - 27.6	12							3.20
55.0		3.0 - 28.6	12						4.20 (54.5 m)	
		2.7 - 17.0	20						3.20	
50.0		3.0 - 29.6	12					5.40 (49.5 m)		
		2.6 - 17.3	22					4.40		
45.0		2.9 - 30.6	12				6.80 (44.5 m)			
		2.5 - 17.2	24				5.90			
40.0		2.8 - 31.6	12			8.60 (39.5 m)				
		2.4 - 18.2	24			7.70				
35.0		2.7 - 32.6	12		11.00 (34.5 m)					
		2.3 - 19.2	24		10.10					
30.0		2.6 - 30.0	12	12.00 (29.5 m)						
		2.2 - 20.2	24	13.50						

t

Radius and lifting capacity

280 HC-L 16/28

m			t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0
60.0		3.1 - 28.0	12							3.00
55.0		3.0 - 22.0	16						4.00 (54.0 m)	
		2.7 - 16.5	20						2.90	
50.0		3.0 - 23.0	16					5.20 (49.2 m)		
		2.6 - 15.0	24					4.10		
45.0		2.9 - 24.0	16				6.60 (44.6 m)			
		2.5 - 14.0	28				5.60			
40.0		2.8 - 24.8	16			8.40 (39.4 m)				
		2.4 - 15.0	28			7.40				
35.0		2.7 - 25.8	16		10.80 (34.6 m)					
		2.3 - 16.0	28		9.70					
30.0		2.6 - 26.7	16	13.80 (29.6 m)						
		2.2 - 17.0	28	13.20						

t

Radius and hoisting height

Minimum out of service radius

280 HC-L 12/24 & 16/28

Jib (m) 355 IC • 24 HC 420 • 24 HC 630	Out of service position (α°) α	(m)	(m)
60	72°	20.7	-
55	72°	19.1	18.6
50	73°	16.7	16.2
45	72°	15.9	15.4
40	71°	15.0	14.5
35	70°	13.9	13.4
30	65°	14.6	14.1

Drives

110 kW FC (12/24) WIW 300 VZ 412

kVA: 212.0[1]	t	m/min	t	m/min
max. 1290 m	12.00	0 ↔ 45	24.00	0 ↔ 23
↔ stepless	5.30	0 ↔ 91	11.20	0 ↔ 46
4 layers	6.30	0 ↔ 78	13.20	0 ↔ 39
	2.10	0 ↔ 157	5.60	0 ↔ 79
	3.00	0 ↔ 131	7.10	0 ↔ 65
	0.30	0 ↔ 261	2.30	0 ↔ 131

110 kW FC (16/28) WIW 300 VZ 406

kVA: 212.0[1]	t	m/min	t	m/min
max. 1143 m	16.00	0 ↔ 36	28.00	0 ↔ 20
↔ stepless	7.50	0 ↔ 67	15.50	0 ↔ 34
4 layers	8.90	0 ↔ 58	18.30	0 ↔ 29
	3.60	0 ↔ 116	8.00	0 ↔ 58
	4.70	0 ↔ 97	10.00	0 ↔ 49
	1.10	0 ↔ 194	3.90	0 ↔ 97

0 ↔ 0.7 rpm
2 x 7.5 kW FC

1.7 min
110 kW FC

[1] kVA can be reduced in case of too little power of the mains, see instruction manual.

[2] Single-fall bottom hook block (10 t)

Lifting capacities valid up to 100 m hoisting height. Over 100 m hoisting height, the lifting capacity is reduced by the additional rope weight.


LIEBHERR
620
HC-L

440 HC-L
620 HC-L

The 440 HC-L and 620 HC-L cranes are the latest generation of luffing jib cranes designed specifically for demanding building projects. Both models offer outstanding performance and excellent adaptability to different site environments.

These cranes have improved performance values, new aramid fibre guying and extra-narrow out of service positions, which provide increased flexibility in site planning. A central switchgear cabinet together with plug-in connections facilitate efficient and safe assembly. In addition, both cranes offer a new, fast reeving system, which significantly increases productivity.

				
440 HC-L 12/24 + 18/36	24 t / 36 t	4.45 t / 4.05 t	65.0 m	10.7 m
620 HC-L 18/36	36 t	7.55 t	65.0 m	12.0 m

440 HC-L 12/24 & 18/36 · 620 HC-L 18/36

Product-specific features

Both models offer an optional reduced out of service position. This allows a choice between maximum free-standing tower height and a reduced out of service position. These features make the new, powerful luffing jib cranes an excellent choice for demanding construction projects where efficiency and power are essential.

Thanks to their high tonnage and exceptional rope capacities, the high-performance cranes are also ideal for climbing and can therefore be used to erect the world's tallest buildings. Free-standing tower heights have been optimised to help build tomorrow's skylines. This means that climbing sequences require fewer tie-ins, which increases construction progress and reduces construction costs at the same time. Mechanical locking of the spring mechanisms is a clever yet simple solution that allows the standard out of service position to be reduced. The 620 HC-L, for example, achieves a reduced out of service position of just 12 metres and the 440 HC-L a mere 10.7 metres. Our new generation of luffing jib cranes therefore not only offers maximum performance but also requires minimum space.

620 HC-L with steel ballast

New generation: 620 HC-L luffing jib crane

Technical data: 620 HC-L 18/36

Radius and lifting capacity

LM 1

m	m	t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
65.0	4.1 - 29.8	18								6.65
60.0	4.0 - 32.6	18							8.15	
55.0	3.9 - 34.9	18						9.85		
50.0	3.8 - 36.8	18					11.90			
45.0	3.7 - 38.2	18				14.25				
40.0	3.6 - 39.1	18			17.20					
35.0	3.5 - 35.0	18		18.00						
30.0	3.4 - 30.0	18	18.00							

m	m	t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
65.0	3.7 - 17.1	28								64.4 m 5.60
60.0	3.6 - 17.3	32							59.4 m 7.10	
55.0	3.8 - 17.3	36						54.4 m 8.80		
50.0	3.4 - 18.9	36					49.4 m 10.85			
45.0	3.3 - 20.1	36				44.4 m 13.25				
40.0	3.2 - 21.0	36			39.4 m 16.15					
35.0	3.2 - 21.6	36		34.4 m 19.80						
30.0	3.0 - 21.8	36	29.4 m 24.40							

t

Load-Plus

m	m	t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
65.0	4.1 - 31.3	18								7.55
60.0	4.0 - 34.2	18							9.00	
55.0	3.9 - 36.6	18						10.70		
50.0	3.8 - 38.6	18					12.70			
45.0	3.7 - 39.5	18				15.05				
40.0	3.6 - 40.0	18			18.00					
35.0	3.5 - 35.0	18		18.00						
30.0	3.4 - 30.0	18	18.00							

m	m	t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
65.0	3.7 - 18.2	28								64.4 m 6.50
60.0	3.6 - 18.5	32							59.4 m 7.95	
55.0	3.8 - 18.3	36						54.4 m 9.65		
50.0	3.4 - 20.0	36					49.4 m 11.65			
45.0	3.3 - 21.2	36				44.4 m 14.05				
40.0	3.2 - 22.2	36			39.4 m 16.90					
35.0	3.1 - 22.8	36		34.4 m 20.50						
30.0	3.0 - 23.1	36	29.4 m 25.00							

t

Radius and hoisting height

Minimum out of service radius

Jib (m)	Out of service position (α°)					
	standard			reduced		
	α	1 / (1) (m)	2 (m)	α	1 / (1) (m)	2 (m)
65.0	73.0°	22.0	21.5	79.0°[3)]	15.4	14.9
60.0	73.0°	20.5	20.0	79.0°[3)]	14.4	13.9
55.0	73.0°	18.9	18.5	79.0°[3)]	13.4	12.9
50.0	73.0°	17.4	17.0	79.0°[3)]	12.4	12.0
45.0	72.0°	16.6	16.2	77.0°	12.9	12.5
40.0	71.0°	15.7	15.2	76.0°	12.4	12.0
35.0	69.0°	15.2	14.6	73.0°	12.9	12.4
30.0	65.0°	15.1	14.6	70.0°	12.8	12.3

Drives

110 kW FC — LWA1032-0SE-0002

kVA: 212.0[1)]	t	m/min	t	m/min
max. 1101 m	18.00	0 ↔ 32	36.00	0 ↔ 16
↔ stepless	8.80	0 ↔ 62	17.90	0 ↔ 31
4 layers	10.40	0 ↔ 54	21.10	0 ↔ 27
	4.45	0 ↔ 107	9.60	0 ↔ 54
	5.70	0 ↔ 90	11.90	0 ↔ 45
	1.75	0 ↔ 179	5.00	0 ↔ 90

160 kW FC — LWA1032-0SE-0003

kVA: 265.0[1)]	t	m/min	t	m/min
max. 1101 m	18.00	0 ↔ 47	36.00	0 ↔ 24
↔ stepless	10.40	0 ↔ 77	21.30	0 ↔ 39
5 layers	10.70	0 ↔ 76	21.70	0 ↔ 38
	5.80	0 ↔ 127	12.30	0 ↔ 63
	5.30	0 ↔ 136	11.30	0 ↔ 68
	2.10	0 ↔ 226	6.00	0 ↔ 113

0 ↔ 0.6 rpm	1.60 – 2.20 min
2 x 11 kW FC	110 kW FC

[1)] kVA can be reduced in case of too little power of the mains, see instruction manual.

[3)] Locking device required for reduced out of service radius.

Lifting capacities valid up to 100 m hoisting height. Over 100 m hoisting height, the lifting capacity is reduced by the additional rope weight.

Technical data: 440 HC-L 12/24

Radius and lifting capacity

LM 1

m	m	t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
65.0	4.0 – 31.6	12								3.65
60.0	4.0 – 35.5	12							4.90	
55.0	3.9 – 38.7	12						6.40		
50.0	3.8 – 40.4	12					8.15			
45.0	3.7 – 41.9	12				10.30				
40.0	3.6 – 40.0	12			12.00					
35.0	3.5 – 35.0	12		12.00						
30.0	3.4 – 30.0	12	12.00							

m	m	t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
65.0	3.7 – 21.4	18								64.4 m 2.75
60.0	3.6 – 18.4	24							59.4 m 4.00	
55.0	3.5 – 20.2	24						54.4 m 5.50		
50.0	3.4 – 21.3	24					49.4 m 7.25			
45.0	3.3 – 22.3	24				44.4 m 9.40				
40.0	3.2 – 23.3	24			39.4 m 12.10					
35.0	3.1 – 24.1	24		34.4 m 15.10						
30.0	3.0 – 24.5	24	29.4 m 18.20							

t

Load-Plus

m	m	t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
65.0	4.0 – 33.7	12								4.45
60.0	4.0 – 37.9	12							5.75	
55.0	3.9 – 40.7	12						7.25		
50.0	3.8 – 42.5	12					9.00			
45.0	3.7 – 43.7	12				11.10				
40.0	3.6 – 40.0	12			12.00					
35.0	3.5 – 35.0	12		12.00						
30.0	3.4 – 30.0	12	12.00							

m	m	t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
65.0	3.7 – 22.7	18								64.4 m 3.35
60.0	3.6 – 19.7	24							59.4 m 4.85	
55.0	3.5 – 21.6	24						54.4 m 6.35		
50.0	3.4 – 22.8	24					49.4 m 8.10			
45.0	3.3 – 23.8	24				44.4 m 10.20				
40.0	3.2 – 24.7	24			39.4 m 12.85					
35.0	3.1 – 25.2	24		34.4 m 15.80						
30.0	3.0 – 25.5	24	29.4 m 18.80							

t

Radius and hoisting height

Minimum out of service radius

Jib (m)	Out of service position (α°)					
	standard			reduced		
	α	1 / (1) (m)	2 (m)	α	1 / (1) (m)	2 (m)
65.0	73.0°	22.0	21.5	79.4°[3)]	14.9	14.5
60.0	73.0°	20.5	20.0	79.4°[3)]	14.0	13.5
55.0	73.0°	18.9	18.5	79.4°[3)]	13.0	12.6
50.0	73.0°	17.4	16.9	79.4°[3)]	12.0	11.6
45.0	73.0°	15.9	15.4	78.0°	12.2	11.7
40.0	72.0°	15.0	14.5	78.0°	11.1	10.7
35.0	70.0°	14.6	14.1	74.0°	12.3	11.9
30.0	70.0°	12.8	12.3	70.0°	-	-

Drives

110 kW FC LWA0927-0SE-0002

kVA: 212.0[1)]	t	m/min	t	m/min
max. 1290 m	12.00	0 ↔ 48	24.00	0 ↔ 24
↔ stepless	5.80	0 ↔ 91	12.00	0 ↔ 45
4 layers	6.90	0 ↔ 78	14.20	0 ↔ 39
	2.60	0 ↔ 157	6.40	0 ↔ 78
	3.55	0 ↔ 131	7.90	0 ↔ 65
	0.73	0 ↔ 261	3.00	0 ↔ 131

160 kW FC LWA0927-0SE-0003

kVA: 265.0[1)]	t	m/min	t	m/min
max. 1290 m	12.00	0 ↔ 69	24.00	0 ↔ 35
↔ stepless	7.00	0 ↔ 113	14.40	0 ↔ 56
4 layers	7.20	0 ↔ 111	14.70	0 ↔ 55
	3.70	0 ↔ 185	8.20	0 ↔ 92
	3.35	0 ↔ 198	7.60	0 ↔ 99
	1.15	0 ↔ 330	3.80	0 ↔ 165

0 ↔ 0.7 rpm	1.30 – 1.70 min
2 x 7.5 kW FC	110 kW FC

[1)] kVA can be reduced in case of too little power of the mains, see instruction manual.

[3)] Locking device required for reduced out of service radius.

Lifting capacities valid up to 100 m hoisting height. Over 100 m hoisting height, the lifting capacity is reduced by the additional rope weight.

Technical data: 440 HC-L 18/36

Radius and lifting capacity

LM 1

m	m	t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
65.0	4.0 - 22.0	18								3.35
60.0	4.0 - 24.8	18							4.60	
55.0	3.9 - 27.2	18						6.10		
50.0	3.8 - 28.6	18					7.85			
45.0	3.7 - 29.9	18				10.00				
40.0	3.6 - 31.3	18			12.75					
35.0	3.5 - 32.4	18		16.20						
30.0	3.4 - 30.0	18	18.00							

m	m	t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
60.0	3.6 - 16.7	26							59.4 m 3.35	
55.0	3.5 - 15.2	32						54.4 m 4.90		
50.0	3.4 - 16.0	32					49.4 m 6.65			
45.0	3.3 - 15.8	34				44.4 m 8.80				
40.0	3.2 - 15.6	36			39.4 m 11.55					
35.0	3.1 - 16.2	36		34.4 m 14.50						
30.0	3.0 - 16.6	36	29.4 m 17.60							

t

Load-Plus

m	m	t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
65.0	4.0 - 23.4	18								4.05
60.0	4.0 - 26.3	18							5.45	
55.0	3.9 - 28.9	18						6.95		
50.0	3.8 - 30.4	18					8.70			
45.0	3.7 - 31.8	18				10.80				
40.0	3.6 - 33.1	18			13.50					
35.0	3.5 - 33.8	18		17.00						
30.0	3.4 - 30.0	18	18.00							

m	m	t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
60.0	3.6 - 17.8	26							59.4 m 4.05	
55.0	3.5 - 16.1	32						54.4 m 5.75		
50.0	3.4 - 17.0	32					49.4 m 7.50			
45.0	3.3 - 16.7	34				44.4 m 9.60				
40.0	3.2 - 16.6	36			39.4 m 12.30					
35.0	3.1 - 17.2	36		34.4 m 15.20						
30.0	3.0 - 17.6	36	29.4 m 18.20							

t

Radius and hoisting height

Minimum out of service radius

Jib (m)	Out of service position (α°)					
	standard			reduced		
	α	(m)	(m)	α	(m)	(m)
65.0	73.0°	22.0	21.5	79.4°[3)]	14.9	14.5
60.0	73.0°	20.5	20.0	79.4°[3)]	14.0	13.5
55.0	73.0°	18.9	18.5	79.4°[3)]	13.0	12.6
50.0	73.0°	17.4	16.9	79.4°[3)]	12.0	11.6
45.0	73.0°	15.9	15.4	78.0°	12.2	11.7
40.0	72.0°	15.0	14.5	78.0°	11.1	10.7
35.0	70.0°	14.6	14.1	74.0°	12.3	11.9
30.0	70.0°	12.8	12.3	70.0°	-	-

Drives

110 kW FC LWA1032-0SE-0002

kVA: 212.0[1)]	t	m/min	t	m/min
max. 1101 m	18.00	0 ↔ 32	36.00	0 ↔ 16
↔ stepless	8.80	0 ↔ 62	17.90	0 ↔ 31
4 layers	10.40	0 ↔ 54	21.10	0 ↔ 27
	4.45	0 ↔ 107	9.60	0 ↔ 54
	5.70	0 ↔ 90	11.90	0 ↔ 45
	1.75	0 ↔ 179	5.00	0 ↔ 90

160 kW FC LWA1032-0SE-0003

kVA: 265.0[1)]	t	m/min	t	m/min
max. 1101 m	18.00	0 ↔ 47	36.00	0 ↔ 24
↔ stepless	10.40	0 ↔ 77	21.30	0 ↔ 39
5 layers	10.70	0 ↔ 76	21.70	0 ↔ 38
	5.80	0 ↔ 127	12.30	0 ↔ 63
	5.30	0 ↔ 136	11.30	0 ↔ 68
	2.10	0 ↔ 226	6.00	0 ↔ 113

0 ↔ 0.7 rpm	1.30 - 1.70 min
2 x 7.5 kW FC	110 kW FC

[1)] kVA can be reduced in case of too little power of the mains, see instruction manual.

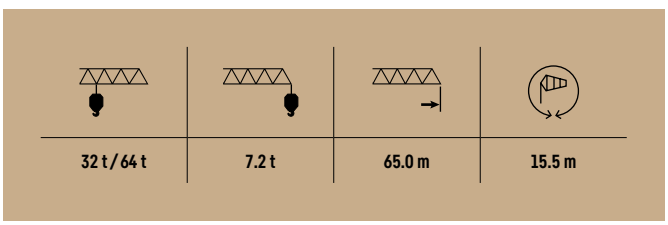
[3)] Locking device required for reduced out of service radius.

Lifting capacities valid up to 100 m hoisting height. Over 100 m hoisting height, the lifting capacity is reduced by the additional rope weight.

710 HC-L

The 710 HC-L is the largest in its class and combines unrivalled power with maximum performance.

The giant amongst the luffing jib cranes sets new standards. Equipped with an innovative tandem hoist, it not only delivers impressive performance of double 110 kW, but also maximum safety: if one motor fails, the other carries on working seamlessly.



710 HC-L 32/64 Litronic

Product-specific features

The 710 HC-L is a real tower of power with its 32 tonnes in 1-fall operation. It is capable of mastering even the toughest challenges on construction sites with its impressive performance and flexibility. The crane's tandem hoist ensures a feeling of safety and reliability while it effortlessly lifts heavy loads to staggering heights.

Despite its enormous performance capacity, the 710 HC-L is easy to transport in containers and can be disassembled using a Liebherr derrick crane. Each crane section has a maximum weight of 10 tonnes, which significantly simplifies logistics.

Designed to reach great heights, the 24 HC tower system has streamlined dimensions of just 2.4 m x 2.4 m. This means that the crane can climb inside buildings without any problems. The giant also scores with a very compact out of service position of just 19 metres with a jib length of 65 metres and a minimal radius thanks to its compact slewing platform. The 710 HC-L is the perfect solution for challenging construction projects where efficiency and safety are paramount.

Two Liebherr 710 HC-L 32/64 Litronic cranes at work on the Central Boulevard Towers in Singapore

Sagrada Familia in Barcelona, Spain

Technical data: 710 HC-L 32/64 Litronic

Radius and lifting capacity

m			t	m 30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0
65.0		4.8 - 24.0	32								7.20
60.0		4.6 - 26.0	32							9.50	
		4.1 - 17.0	48							59.4 m 7.50	
55.0		4.5 - 27.7	32						12.10		
		3.9 - 16.3	54						54.4 m 10.10		
50.0		4.3 - 29.3	32					15.10			
		3.7 - 15.6	60					49.4 m 13.10			
45.0		4.1 - 30.7	32				18.65				
		3.6 - 15.4	64				44.4 m 16.60				
40.0		3.9 - 31.8	32			22.85					
		3.4 - 15.9	64			39.4 m 20.80					
35.0		3.7 - 32.7	32		27.90						
		3.2 - 16.4	64		34.3 m 25.40						
30.0		3.6 - 30.0	32	32.00							
		3.0 - 16.4	65	29.3 m 30.40							

t

Radius and hoisting height

Minimum out of service radius

Jib (m) 24 HC 1000	Out of service position (α°) α	(m)	(m)
65	75°	19.6	-
60	74°	19.3	18.6
55	73°	18.8	18.1
50	72°	18.1	17.4
45	71°	17.2	16.6
40	70°	16.2	15.5
35	65°	17.2	16.5
30	60°	17.3	16.8

Drives

2 x 65 kW FC SD.shift WIW 310 WZ 402

kVA: 245.0[1)]
max. 1067 m
↔ stepless
4 layers

t	m/min	t	m/min
32.00	0 ↔ 21	64.00	0 ↔ 10
6.60	0 ↔ 76	15.10	0 ↔ 38
15.20	0 ↔ 40	31.40	0 ↔ 20
1.20	0 ↔ 145	5.90	0 ↔ 73

2 x 110 kW FC SD.shift WIW 330 WZ 402

kVA: 371.0[1)]
max. 1067 m
↔ stepless
4 layers

t	m/min	t	m/min
32.00	0 ↔ 35	64.00	0 ↔ 18
7.80	0 ↔ 114	17.30	0 ↔ 57
14.50	0 ↔ 71	30.00	0 ↔ 36
2.80	0 ↔ 194	8.70	0 ↔ 97

0 ↔ 0.6 rpm
2 x 7.5 kW FC

2.0 ↔ 2.9 min
110 kW FC

1.4 ↔ 2.0 min
160 kW FC

[1)] kVA can be reduced in case of too little power of the mains, see instruction manual.

Lifting capacities valid up to 100 m hoisting height. Over 100 m hoisting height, the lifting capacity is reduced by the additional rope weight.

The luffing jib crane series compared

Key data

	195 HC-LH		230 HC-L		258 HC-L	
Max. lifting capacity [t]	6/12		8/16		10/18	
Max. radius [m]	55		60		60	
Min. radius [m]	30		30		30	
Tower connection	1.6/2.1		1.9/2.4		1.9/2.4	
Lifting capacity at max. radius [t]	2.55		1.9		2.5	
Max. tower height [FEM]	64.4[4] (21 HC 290)		85.1[4][5] (24 HC 630)		85.1[4][5] (24 HC 630)	
Min. out of service position [m]	9.6		12.6		12.6	
Fall	1/2		1/2		1/2	

Drives

Hoist winch [kW FC]	45	65	65	110	65[6]	110[6]
Empty hook speed 1-fall [m/min]	207	233	160	363	217	265
Max. load speed 1-fall [m/min]	39	56	39	69	34	58
Drum capacity [m]	650	650	552	892	755	755
Luffing winch [kW]	30 kW		65 kW FC		65 kW FC	
Luffing winch speed [m/min]	1.5		1.2		1.2	
Slewing gear [kW FC]	2 x 5.0		2 x 7.5		2 x 7.5	
Connected load [kVA]	80	101	140	176	140	176

Transport

Number of trucks / containers	4/4		6/6		6/6	

Control system

Type of control system	AC 500S		AC 500S		AC 500S	

[4] Higher freestanding tower heights possible with 24 HC 1000 / 1250.

[5] Higher freestanding tower heights possible with 24 HC 630 TSBr.

[6] SD.shift hoist winches enable higher lifting and lowering speeds.

280 HC-L		440 HC-L		620 HC-L	710 HC-L	
12/24	16/28	12/24	18/36	18/36	32/64	
60	60	65	65	65	65	
30	30	30	30	30	30	
1.9/2.4	1.9/2.4	2.4	2.4	2.4	2.4	
3.2	3.0	4.45	4.05	7.55	7.2	
79.3[4)5)] (24 HC 630)	79.3[4)5)] (24 HC 630)	83.0[4)] (24 HC 630)	83.0[4)] (24 HC 630)	74.3[4)] (24 HC 630)	74.8[4)] (24 HC 1000 / 1250)	
13.4	13.4	10.7	10.7	12.0	15.5	
1/2	1/2	1/2	1/2	1/2	1/2	
110	110	110 160	110 160	110 160	2 x 65[6)]	2 x 110[6)]
261	194	261 330	179 226	179 226	145	194
45	36	48 69	32 47	32 47	21	35
1290	1143	1290 1290	1101 1101	1101 1101	1067	1067
110 kW FC	110 kW FC	110 kW FC	110 kW FC	110 kW FC	110 kW FC	160 kW FC
1.7	1.7	1.3–1.7	1.3–1.7	1.6–2.2	2.0–2.9	1.4–2.0
2 x 7.5	2 x 7.5	2 x 7.5	2 x 7.5	2 x 11	2 x 11	
212	212	212 265	212 265	212 265	245	371
6/9	6/9	9/9	9/9	10/10	10/11	
AC 500S	AC 500S	AC 500S	AC 500S	AC 500S	AC 500S	





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