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# Pumping concrete perfectly

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Flexible with a long reach

## LIEBHERR

42 XXT truck mounted concrete pump





# 42 XXT – The classic



Highest safety  
and ergonomics

XXT-outrigger

Variable storage  
spaces

## XXT-outrigger

The pivoting XXT support is particularly versatile when supporting in tight spaces.

## Powerbloc inside

The Powerbloc concrete pump drive, developed and manufactured by Liebherr, combines power and smooth running, made by Liebherr.

## Five-part distribution boom

The 42 XXT with 5-part multi-fold distributor boom could be brought under 32 t operating weight thanks to a completely new development and the use of in-house components.





Five-part distribution boom

Robustness

Powerbloc inside

**Variable storage spaces**

A wealth of storage options enable the best possible adaptation to customer requirements.

**Highest safety and ergonomics**

All control stations are ergonomic and meet the highest safety standards.

**Robustness**

The robust design of the machine ensures reliable operation for many years at low operating costs.



**No space? – No problem!**





# XXT-outrigger

## Perfect in every situation

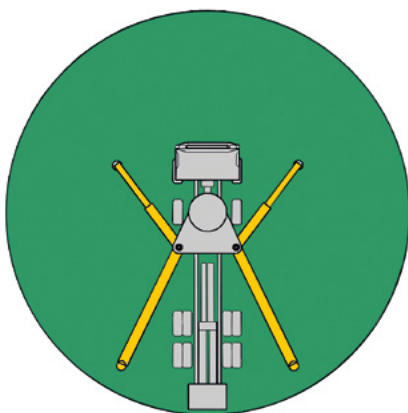
With the XXT-outrigger, the boom loads are transferred along the shortest path to the contact areas of the support legs. No forces act on the vehicle frame. The support legs all swivel around the same axis of rotation.

## Narrow support

The XXT-outrigger offers great advantages compared to other supports: The front outrigger on the confined side can still be extended and supported up to the front of the driver's cab thanks to the swivel option. Thus adding the entire working area in front of the driver's cab. Even if both sides are narrowly supported, it is still possible to work over the driver's cab.

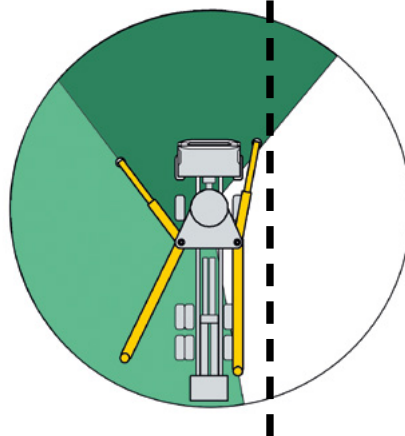
## XXA stability assistance system

The XXA stability assistance system guarantees safe working in any situation. Depending on the position of the support and boom, only non-critical movements are allowed. The safe working area is indicated on the radio remote control in the colour display.



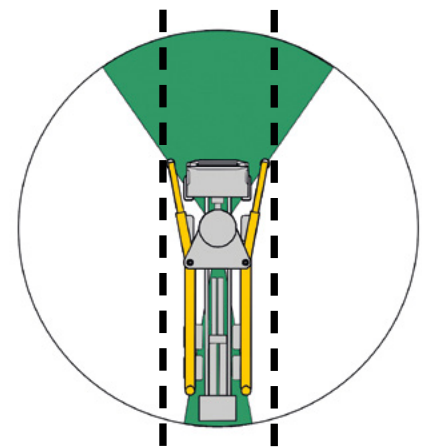
## Full support

The innovative XXT-support gives the truck mounted concrete pump maximum stability in all areas. Supporting is quick, even on uneven terrain.



## Narrow support

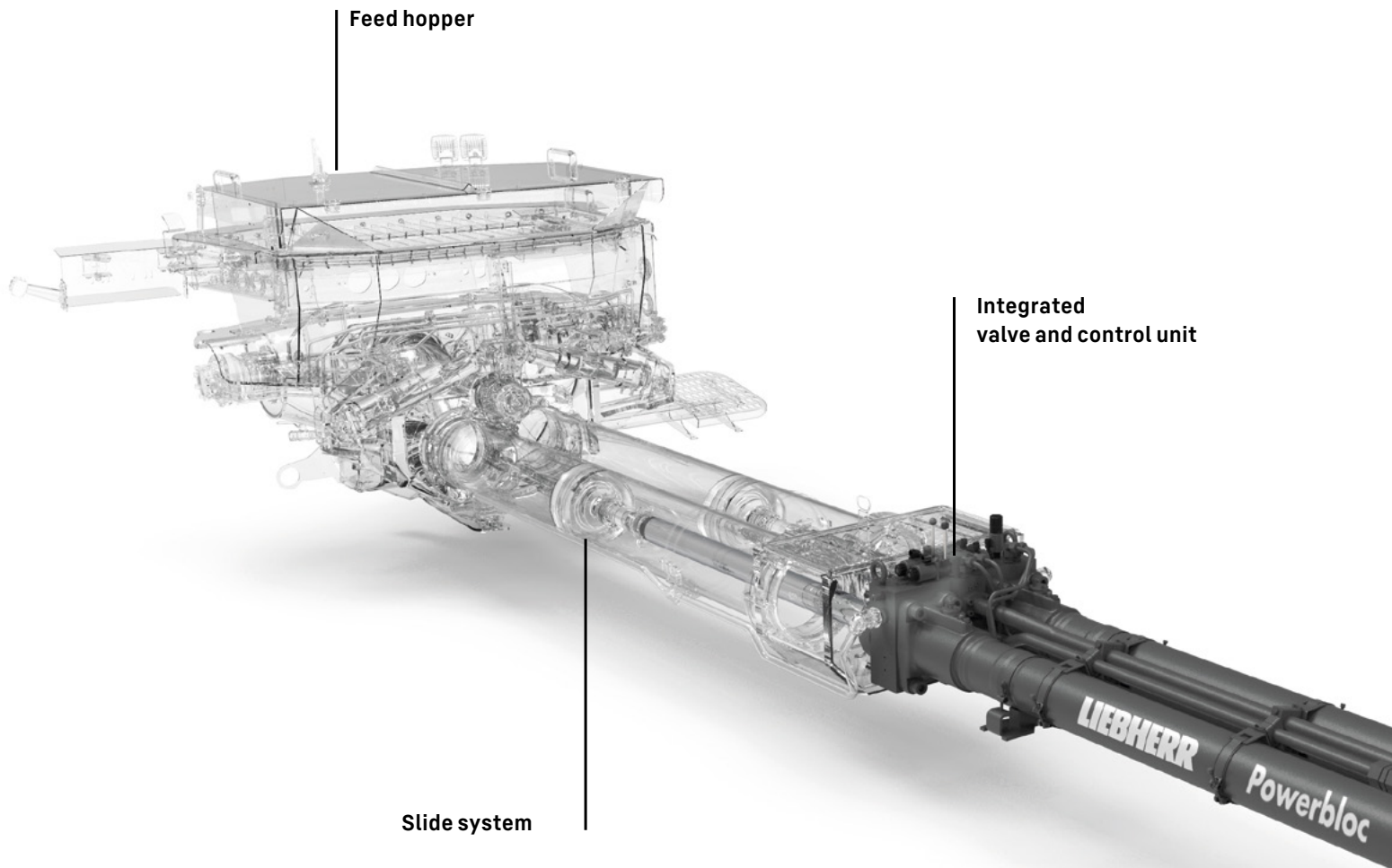
When one side is XXT-supported due to space constraints, the outrigger shows its full strength. The support at the right front (swivelling) enables the additional working area (dark green) in front of the vehicle.



## Narrow support on both sides

In the extreme case of narrow support on both sides, the truck mounted concrete pump can still work where others have to capitulate, thanks to the XXT-support.

# Powerbloc and HCC



Feed hopper

Integrated valve and control unit

Slide system

## Powerbloc

The Powerbloc is characterized by high performance and smooth running. The latest drive unit for concrete pumps does not require a separate control block, as all hydraulic switching and measuring elements are integrated.

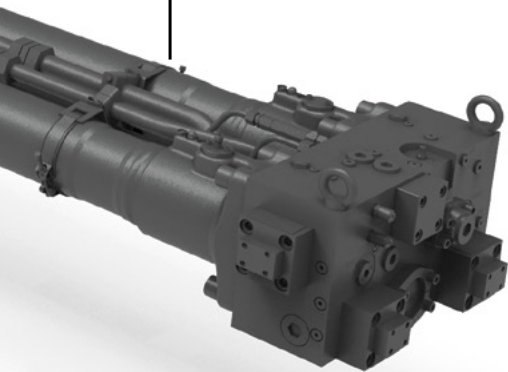
## Feed hopper

The optimized hopper shape promotes concrete flow and reduces concrete deposits. The separate agitator paddles and the wide suction openings guarantee optimum suction performance. The feed hopper enables easy cleaning due to good accessibility.

## Slide system

Powerful slide system with smooth change of direction thanks to controlled pipe changeover. The controller controls the oil quantity perfectly matched to the switchover cycles. The S-pipe changeover is implemented via two hydraulic cylinders with full pressure from the main hydraulic pump.

Powerbloc



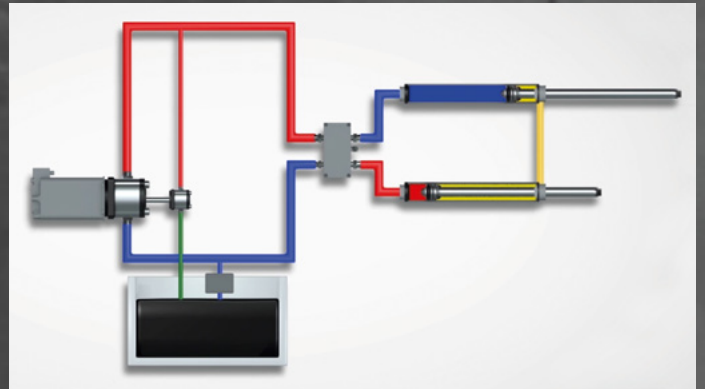
Powerbloc QR code

# HCC

## Semi-closed oil circuit

The innovative Powerbloc drive unit is complemented by a newly designed, highly efficient semi-closed oil circuit. This guarantees that all drives are permanently supplied with reliable and powerful hydraulic power.

The new Liebherr own system combines the advantages of the proven open and closed hydraulic systems currently on the market, without their disadvantages. The system operates without a storage pump and without a reservoir. The required oil volume is significantly reduced, which saves costs and weight.



HCC QR code



# Equipment and accessories





# Secure with safety

## Safety is our top priority

We are committed to the applicable safety rules. In the development of Liebherr truck mounted concrete pumps, safety for people and the machine is the top priority. We observe our machines in use and continuously improve them.

## Our truck mounted concrete pumps have:

- Large treads and platforms
- Height-adjustable steps on the left (ergonomics)
- Good accessibility and ergonomic arrangement of the control stations
- Full railings and fall protection devices
- A broad LED lighting concept for work in poor lighting conditions or work at construction sites at night
- Illumination of the control stations
- Radio remote control with flashlight function and control panel illumination as well as vibration alarm and emergency stop function in case of a fall (dead man's switch)

## Always on the safe side with XXA

The XXA stability assistance monitors the approved slewing range of the boom as well as the correct positioning of the machine.



### Spacious treads and platforms

Spacious steps for safe access to all control points on the machine and for cleaning the feed hopper.



### Signal light

Signal light on the concrete boom for visual status display of the XXA stability control system at the construction site.

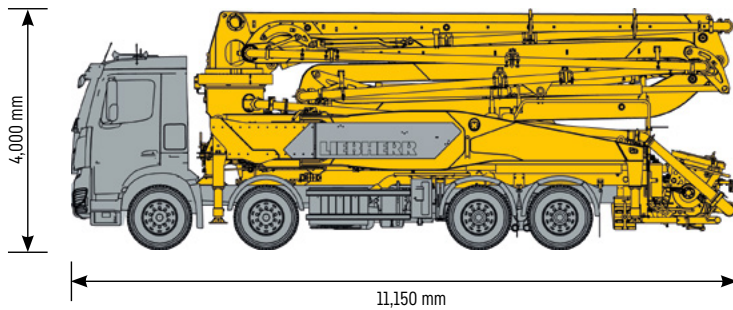


### Remote control

The radio remote control informs the operator about all important machine parameters.



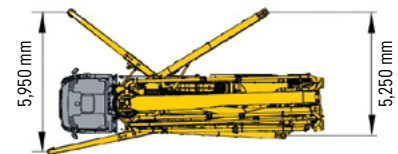
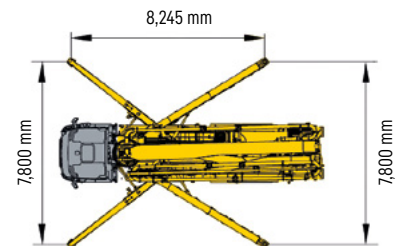
# Technical data 42 XXT



Standard version. Dimensions and total weight may change depending on pump type and chassis.

## Technical data\*

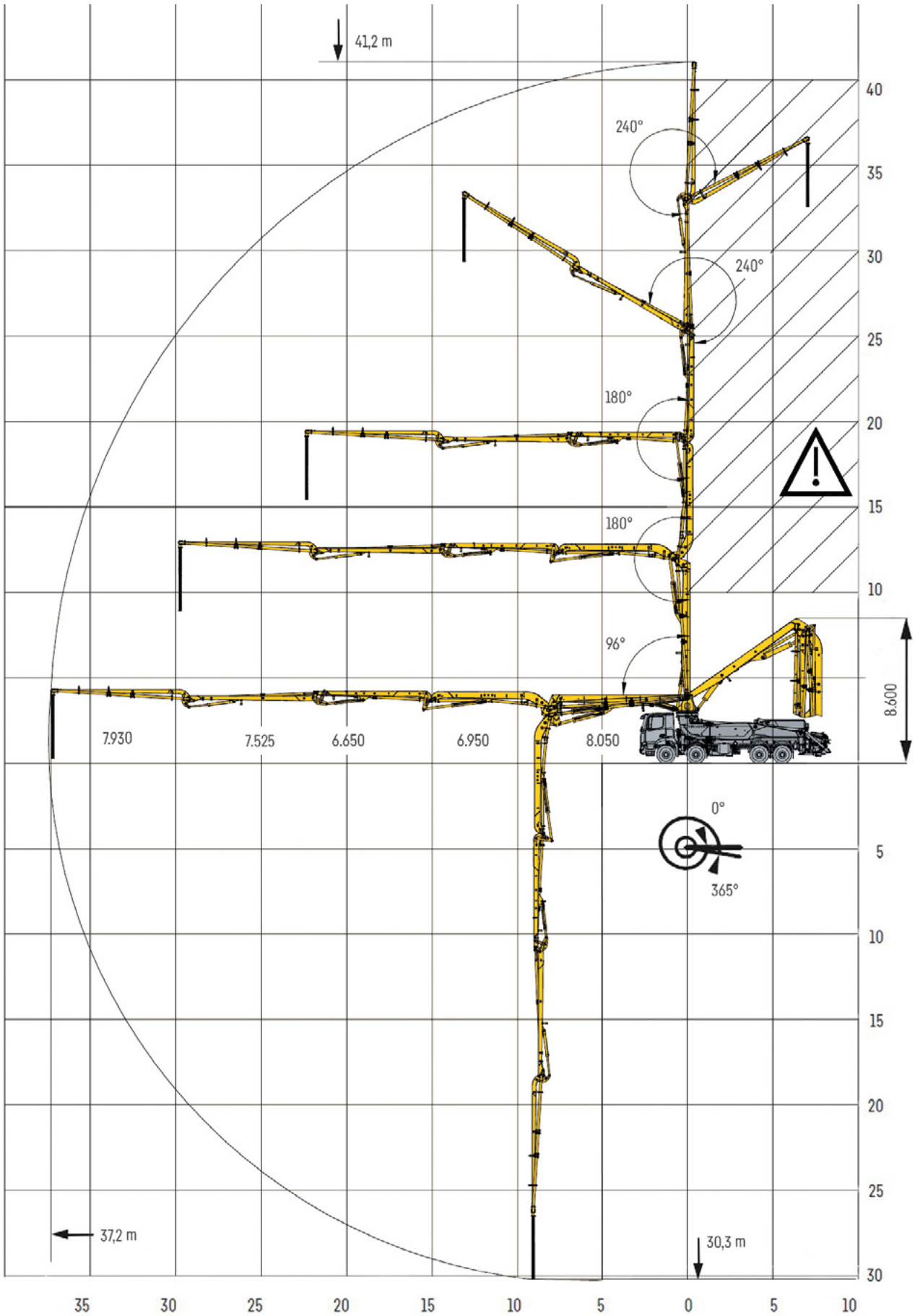
Boom	42 M5
Vertical range	41.2 m
Horizontal range	37.2 m
Unfolding height	8.6 m
Swivel range	365°
Angle range of arm 1	96°
Angle range of arm 2	180°
Angle range of arm 3	180°
Angle range of arm 4	240°
Angle range of arm 5	240°
Conveyor line diameter	125 mm
End hose length	4 m
Voltage	24 V



Concrete pump	THP 140 Powerbloc	THP 170 Powerbloc
Max. flow rate (piston side)	144 m <sup>3</sup> /h	167 m <sup>3</sup> /h
Max. concrete pressure (piston side)	80 bar	80 bar
Pump cycles (piston side)	29 min <sup>-1</sup>	34 min <sup>-1</sup>
Conveyor cylinder Ø x stroke	230 mm x 2000 mm	230 mm x 2000 mm
Concrete conveying volume / double stroke	166 L	166 L
Max. hydraulic pressure	350 bar	350 bar
Drive cylinder	110 mm / 80 mm / 2000 mm	110 mm / 80 mm / 2000 mm
Hopper capacity	600 L	600 L
Noise emission (L <sub>WA</sub> )	119 dB	119 dB

\* Theoretical performance, actual performance may vary







# Customer service

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# Service out of conviction

## Good service means close customer proximity

With our professional service network, we are at your disposal with rapid response times to ensure high machine availability. Reliable machines are the guarantee for your success. Our highly trained service personnel make sure your Liebherr truck mounted concrete pumps operate economically and seamlessly. We help with start-up machine operator instruction and by answering your questions.

## Liebherr service partners worldwide

Our customers can rely on a worldwide service network consisting of over 90 service centres (Liebherr companies/ partners), 160 service vehicles and 220 qualified service technicians. Our worldwide service centres with all contacts can be found on the Liebherr website or in the MyLiebherr customer portal.



## Service-friendly design

During construction, great importance was attached to ease of service. Wearing parts are easy to replace, important areas are easily accessible.



## Our customer portal – MyLiebherr

MyLiebherr is your entry into the Liebherr service world. Through the Liebherr customer portal, our customers benefit from comprehensive service and additional benefits.



## Original Liebherr spare parts

Original Liebherr spare parts are subject to strict quality controls, are quickly available worldwide and guarantee reliable operation and a long service life.



# We are here for you!

Personal. Capable. Reliable.



Concrete pumps



Mixing plants



Truck mixers



Conveyor belts



Measuring technology



Mixing systems



Concrete recycling systems

## Your powerful partner.

- Delivery and instruction by experienced service technicians
- Worldwide service network with over 90 service centres
- Technical support worldwide
- Fast availability of spare parts
- Professional maintenance and services

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