

High-Top Crane

1000 EC-H

20/40 Litronic®

25/50 Litronic®

Lifting capacity (max.): 50.0 t

Radius (max.): 81.4 m

Lifting capacity at the tip (max.): 11.5 t



Powerful and precise

- Efficient transportation
- Fast and safe erection
- Powerful in use

LIEBHERR

The new 1000 EC-H 20/40 Litronic[®] 25/50 Litronic[®]

Powerful and precise

The largest EC-H crane in the Liebherr range is perfect for building bridges, power stations and other plant and also for shipbuilding yards and dams. The new 1000 EC-H has been improved to make it easier to transport and erect and sets new standards in terms of safety. High lifting capacities and the MICROMOVE fine positioning system combine power and precision. The 1000 EC-H is available in either a 20/40 t or 25/50 t version.

Counter-jib
can be transported using one truck

Low maintenance high performance hoist gears of the latest generation of SD.shift provide high handling capacity

Safe access
to all zones

Slewing gears
for precise, smooth slewing movements
- Load swing damping
- Wind force control
- Three adjustable operating modes

Tower connection
Durable taper pin connection entirely free from play

Safe
non-slip cab access

Fast, efficient erection using the 1000 HC tower

The monoblock design of this tower system ensures fast, easy erection and features high precision fits, short erection time and a long service life.

1000 HC tower system

- 3.4 m x 3.4 m external dimensions
- Climbing on the side of buildings
- Durable taper pin connection entirely free from play
- Suitable for high tower configuration heights
- Simple, fast and safe erection
- Mounted on undercarriage or foundation anchors

3.40 m

Technical data

Version	20/40	25/50
Maximum lifting capacity	40.0 t	50.0 t
Maximum radius*	81.4 m	81.4 m
Maximum lifting capacity at the jib head	11.5 t	11.0 t
Maximum free-standing hook height	88.4 m	85.5 m

* Other radii on request

The new 1000 EC-H 20/40 Litronic 25/50 Litronic

Powerful and precise

The largest EC-H crane in the Liebherr range is perfect for building bridges, power stations and other plant and also for shipbuilding yards and dams. The new 1000 EC-H has been improved to make it easier to transport and erect and sets new standards in terms of safety. High lifting capacities and the MICROMOVE fine positioning system combine power and precision. The 1000 EC-H is available in either a 20/40 t or 25/50 t version.

Counter-jib
can be transported using one truck

Safe access
to all zones

Slewing gears
for precise, smooth slewing movements
- Load swing damping
- Wind force control
- Three adjustable operating modes

Tower connection
Durable taper pin connection entirely free from play

Safe
non-slip cab access

Low maintenance high performance hoist gears of the latest generation of SD.shift provide high handling capacity

Trolley travel gear with integral rope storage facility

Trolley travel tracks with zinc dust coating ensure a long service life

1000 HC tower in monoblock design for rapid erection and dismantling

Jib can be split into lengths of 40.0 m to 80.0 m in steps of 5 m

11.5 t lifting capacity at the tip up to 81.4 m radius

The completely new EC-H slewing platform

The new slewing platform is designed for complete containerisation. Quick-release fastenings on the cab and switchboard system ensure fast, easy erection. Small mobile cranes can be used for this purpose. The slewing platform including the switchboard system and deluxe cab can be erected in a single hoist to reduce erection times.

High safety levels using the latest generation of controls

Fast erection Just one hoist for the complete head

Deluxe cab Ergonomically designed cab enables the driver to work without fatigue

Double trolley with lifting beam for 4-fall operation, 2-fall operation is also possible

MICROMOVE millimetric precision with fine positioning

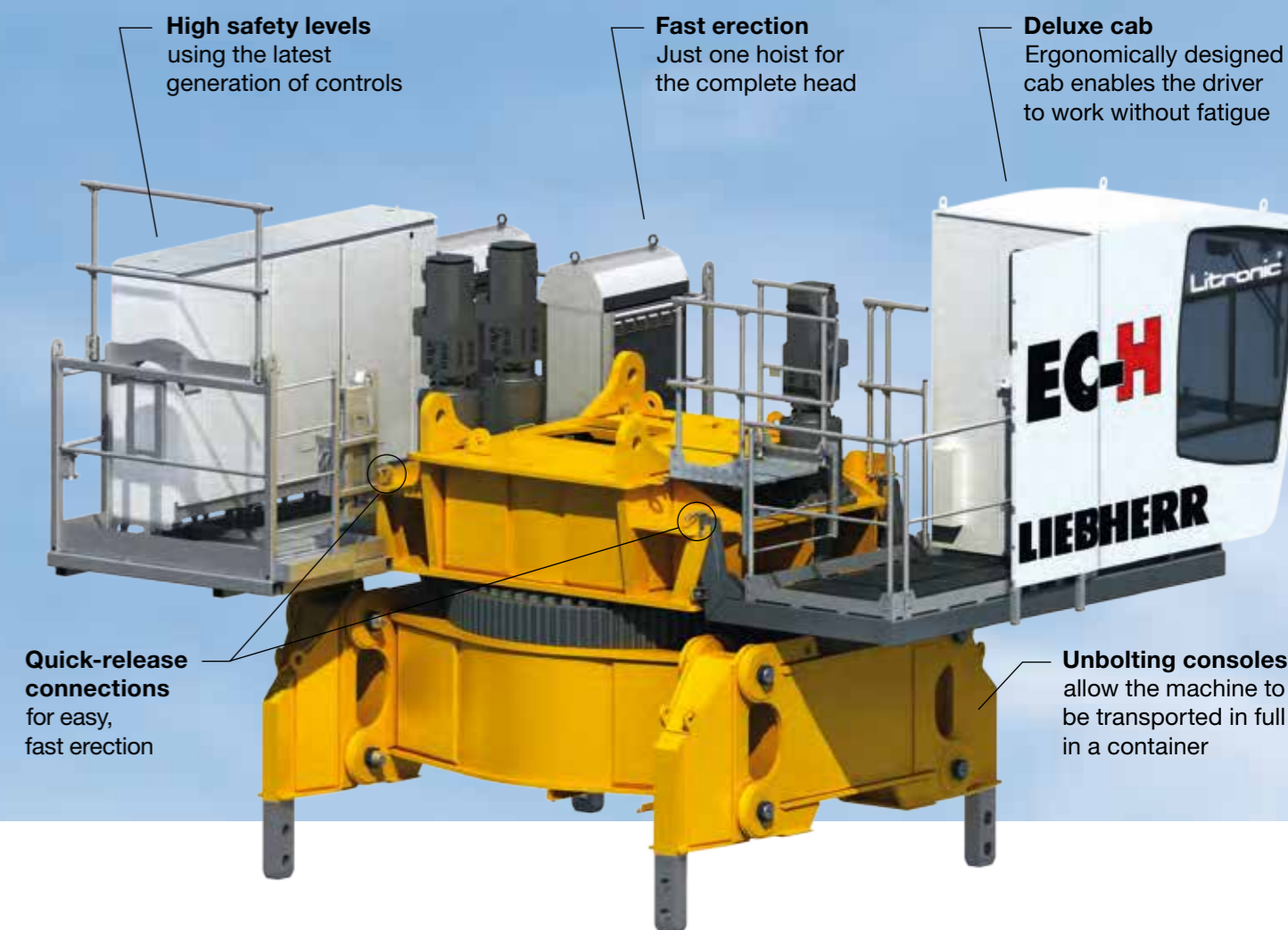


Connect & Work

Fast and safe assembly from Liebherr

Connect & Work includes many simplified assembly features, combined with more safety. Not only simplified mechanical features, even the electronic function modules are modular. You only get this from Liebherr.

- Safe electrical plug-in connections to drive systems and switchboards
- Fast connections for jib and counter-jib
- Assembly packages can be split easily to reduce the assembly weight
- High level of working and assembly safety

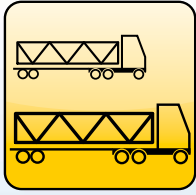


Technical data

Version	20/40	25/50
Maximum lifting capacity	40.0 t	50.0 t
Maximum radius*	81.4 m	81.4 m
Maximum lifting capacity at the jib head	11.5 t	11.0 t
Maximum free-standing hook height	88.4 m	85.5 m

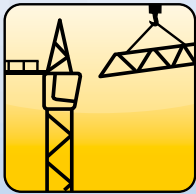
* Other radii on request

Even more benefits



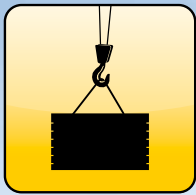
Arrive safely

- Slewing section can be completely containerised
- Top part of the crane can be transported complete in 9 containers
- Complete top part of the crane can be transported with just 8 trucks



Simply well set-up

- Connect & Work
- Safety according to EN 14439
- Low assembly weights
- Can be assembled with small mobile cranes
- Many safety features
- Separable assembly packages



Working fast and safe - for sure

- The latest generation of energy-efficient Liebherr high performance drive units
- Safety-based crane controls
- Litronic version
- LiDAT fleet management
- Electronic function modules
 - Electronic monitor system EMS
 - Load-moment limiting system LMB
 - Operating-range limiting system ABB
 - Machine data recording system MDE
 - Anti-collision system AKS (interface)

