

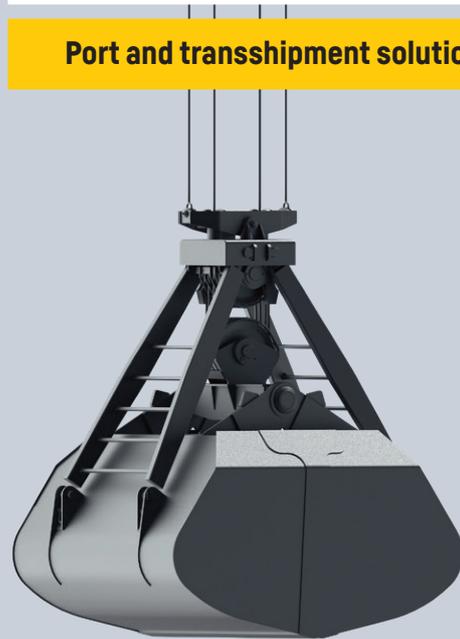
EN

FCC 360

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LIEBHERR

Port and transshipment solutions



Maximum lifting capacity
50 t (hook operation)
45 t (grab operation)



Maximum outreach
36 m

Technical data

Speeds

| Hoisting/lowering (SWL on rope) | |
|---|---------------------|
| Maximum hoisting/lowering up to 15t SWL | 0 m/min - 130 m/min |
| Maximum hoisting/lowering with 30t SWL | 0 m/min - 71 m/min |
| Maximum hoisting/lowering with 36t SWL | 0 m/min - 61 m/min |
| Maximum hoisting/lowering with 45t SWL | 0 m/min - 47 m/min |
| Maximum hoisting/lowering with 50t SWL | 0 m/min - 42 m/min |
| Slewing | |
| Speed | 0 rpm - 1.4 rpm |
| Range | 360° unlimited |
| Luffing time (12 m - 36 m) | |
| Maximum luffing time (jib length 36 m) | approx. 55 sec |

Design conditions

| Maximum admissible | |
|-----------------------------|----------------|
| Ambient working temperature | -20°C to +45°C |
| Humidity maximum | 93% |
| Maximum wind speed | |
| Working condition | 20 m/sec |
| Parking condition | 63 m/sec |

Electric motor

| | |
|-------------------------|--|
| Type of motor | three phase squirrel cage |
| Class of protection | IP 55 |
| Starting | star delta |
| Nominal output | 295 kW (50 Hz) / 345 kW (60 Hz) S6 - 40% ED |
| Main power supply range | 400 V (50 Hz) / 440 V (60 Hz) |
| Auxiliary power supply | 230 V, 3 ph |

Crane classification

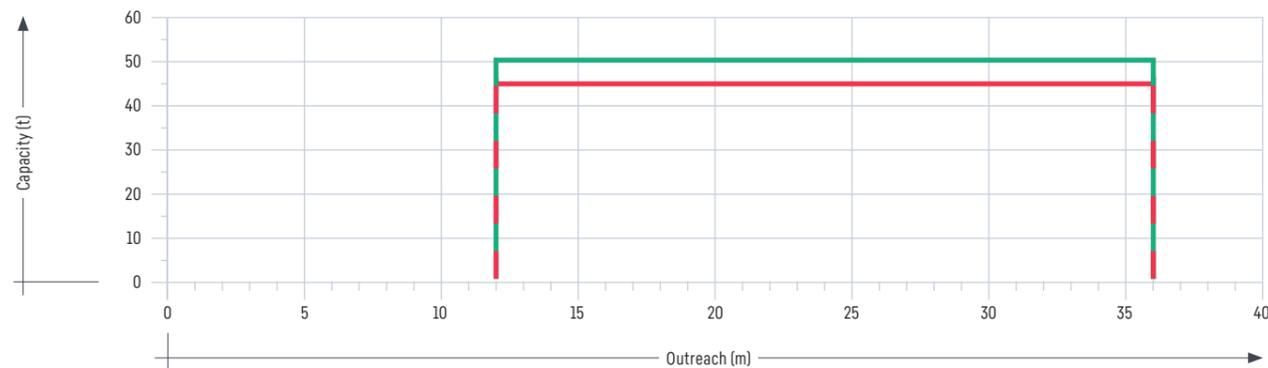
The maximum group classification according to FEM 1.001 (latest edition) relates to full load cycles and is as follows:

| | ≤ 36t | ≤ 45t |
|----------------------|--------------|--------------|
| The crane as a whole | A8 / Q3 / U7 | A7 / Q3 / U6 |

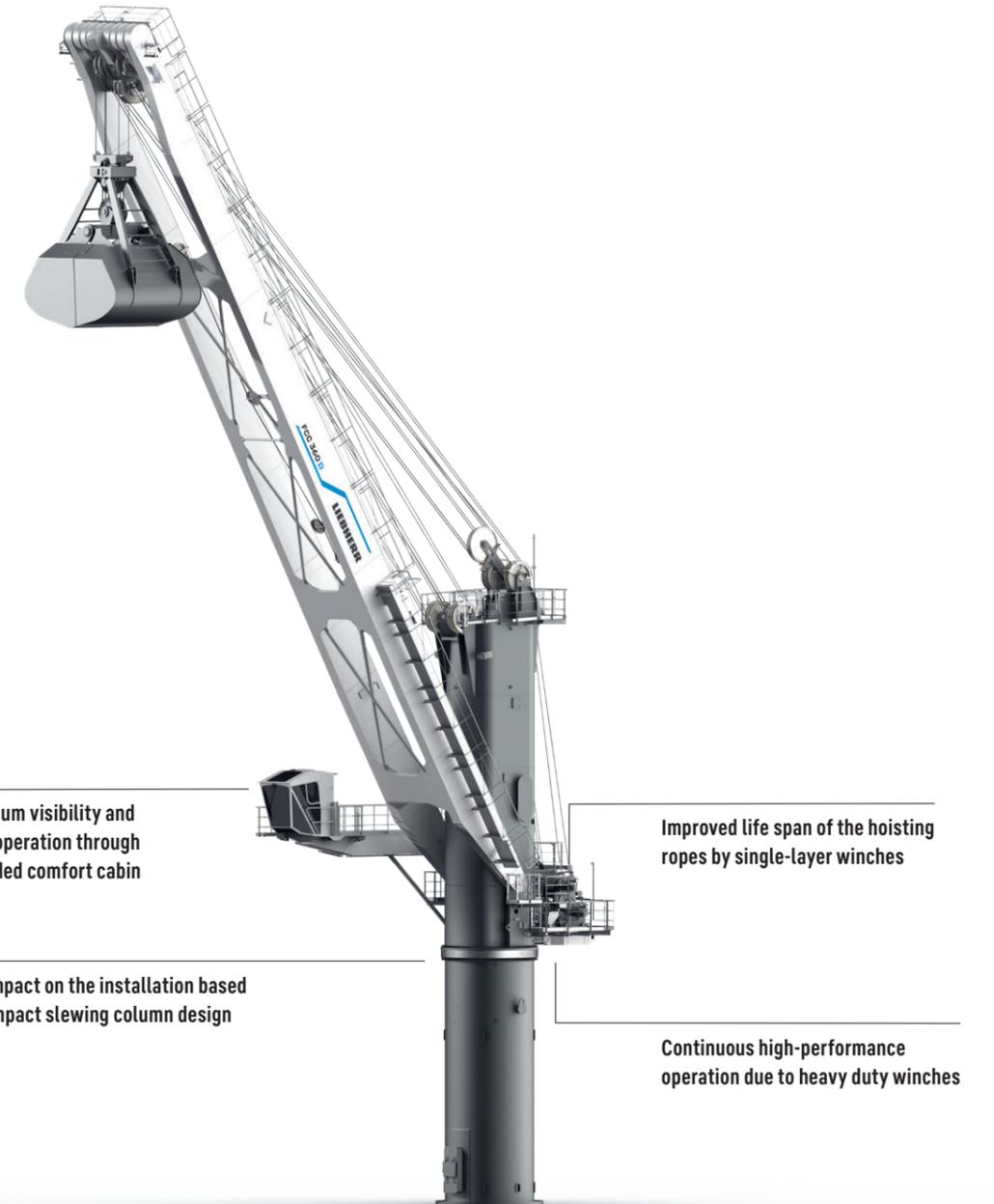
Load diagram 36 m

■ grab operation ■ hook operation

Configuration with 26 m or 32 m outreach available



General arrangement

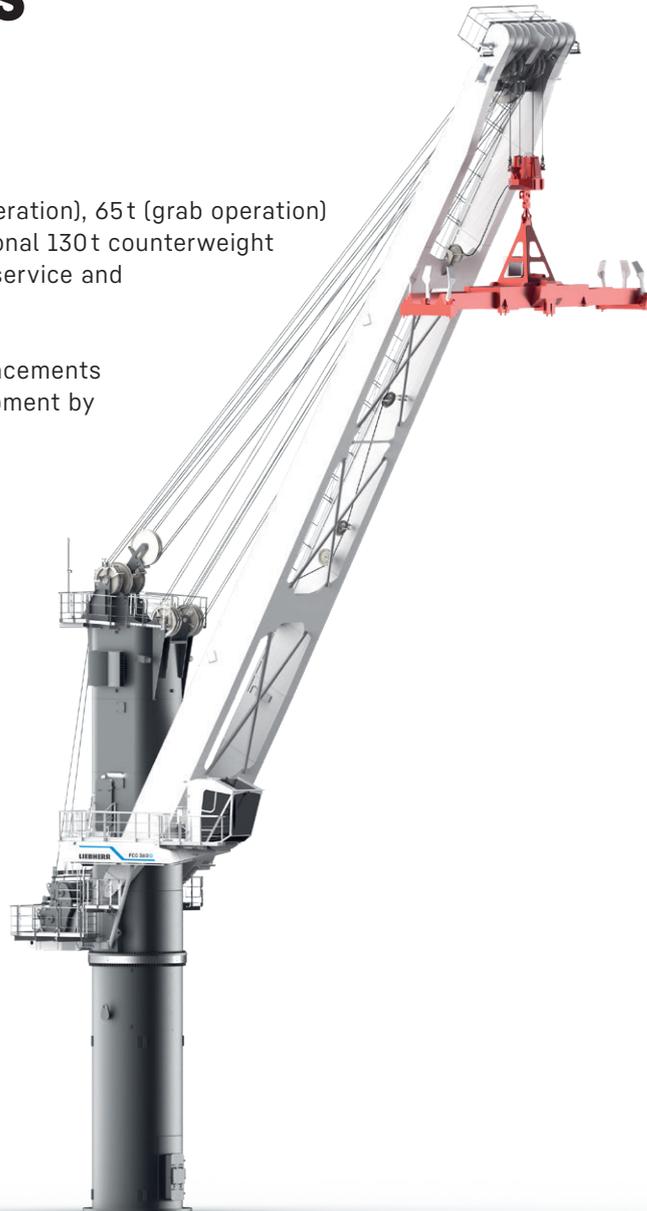


Advantages

- Speed with empty hook up to 130 m/min (< 15 t)
- Energy-efficient hydraulic system
- Larger and strengthened pulleys for increased life span of wire ropes and reduction of abrasion
- Strengthened ropes with increased lifetime
- Ergonomic driver's seat and control layout
- Turnover performance up to 1,400 t per hour in dry bulk handling
- Precise and reliable crane control system Litronic - made by Liebherr

Optional features

- Heavy-lift winch configuration: 80 t (hook operation), 65 t (grab operation)
- Increased stability and load charts with optional 130 t counterweight
- Additional platforms and boom walkway for service and maintenance purposes
- Intelligent automatic greasing systems
- Optional service devices for component replacements
- Operational flexibility for special lifting equipment by installation of electrical cable drum



SmartGrip®

The SmartGrip technology is capable of optimising the filling rate of the grab in a self-learning manner. In this way, SmartGrip learns after only a few lifting cycles how to maximise capacity utilisation of the grab even for less experienced crane operators.

LiCAS

Liebherr cranes can be equipped with the Liebherr Collision Alert System (LiCAS). This additional assistance system sets new levels in operational safety between other Liebherr cranes during heavy-duty cargo handling. LiCAS supports the crane driver by permanently detecting the distances and warns of potential unsafe conditions.

LiDAT smartApp

With LiDAT smartApp, it is possible to analyse your crane (operating and performance) data and get answers from it almost immediately. That leads to direct decisions. The ability to work faster gives operators a competitive edge they did not have before. The data analytics helps to detect bottlenecks and to identify new opportunities.

LiSIM®

Liebherr simulator increases port safety and productivity by providing a cost-effective and highly efficient crane operator training solution. The development of this sophisticated training tool was prompted by Liebherr's extensive experience in crane operator training. Based on the original Litronic crane control system, LiSIM is the only realistic virtual solution available on the market for the training of the precise and innovative control system of Liebherr cranes.