Energy

119 kW
21.4 t
13 m

MAX CAB

TIER IV emission standards
**Technical data, equipment**

### MACHINE TYPE

**Model (type)** 718

### ENGINE

- **Power** 119 kW / 160 hp at 2200 rpm
- **Model** Cummins QSB 4.5 TIER IIIa/IVf
- **Cooling** Water-cooled
- **Air filter** Dry air filter with cyclonic pre-filter, safety element, contamination indicator
- **Fuel tank** 330 l
- **DEF tank** 30 l
- **Electr. system** 24 V
- **Batteries** 2 x cold-start high-performance batteries
- **Options**
  - Engine block heater
  - Electric fuel pump
  - Jump-start terminals

### UPPERCARRIAGE

- **Design** Torsion-resistant upper frame with end shields all the way from boom linkage to counterweight for optimized force transmission, precision-crafted, steel bushings for boom bearings, lockable storage compartment, outstanding design, very low noise emissions
- **Central lubrication** Automatic central lubrication for equipment and slewing gear raceway
- **Electrical system** Central electrical distributor, battery disconnect switch
- **Safety** Right and rearview cameras, emergency control of main functions
- **Options**
  - Slewing gear brake via foot pedal
  - Peripheral uppercarriage railing for additional safety
  - LED lighting package
  - Fire extinguisher
  - Special paint finish
  - Electric heater for hydraulic tank
  - Low temperature package
  - Platform with railing next to cab

### HYDRAULIC SYSTEM

- **Load-sensing/LUDV hydraulic system for work and travel functions**
- **Pump type** Swashplate-type variable-displacement piston pump, load pressure-independent flow distribution for simultaneous, independent control of work functions
- **Pump control** Zero-stroke control, on-demand flow control - the pumps only pump as much oil as will actually be used, pressure purging, load limit sensing control
- **Supplemental hydraulic system** For independently driving different attachments
- **Operating pressure** max. 350 bar
- **Filtration** High-performance filtration with long change interval
- **Hydraulic tank** 350 l
- **Control system** Proportional, precision hydraulic actuation of work movements. 2 hydraulic servo joysticks for the work functions, additional functions via switches and foot pedals
- **Safety** All hydraulic circuits secured with safety valves, hydraulic accumulator for emergency lowering of equipment and cab in the case of engine failure, pipe-fracture safety valves for stick cylinders and hoist cylinders
- **Options**
  - SENNEBOGEN HydroClean 3 μm hydraulic microfilter system
  - Bio-oil – environmentally friendly
  - ToolControl for programming the pressure/rate for up to 10 tools

### SLEWING DRIVE

- **Gearbox** Planetary gearbox with axial piston motor and integrated brake valves
- **Parking brake** Spring-loaded, hydraulically vented safety multi-disk brake
- **Slewing ring** Oversized slewing ring
- **Slewing speed** 0–8 rpm, variable. Hydraulic brake valves integrated in motor ensure wear-free braking.

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Subject to change.
### Technical data, equipment

#### CAB

<table>
<thead>
<tr>
<th>Cab type</th>
<th>Hydraulically elevating cab E270</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cab equipment</td>
<td>Sliding door, excellent ergonomics, automatic climate control, heated, air-suspension comfort seat, fresh/circulating air filter, joystick control, 12 V/24 V connections, SENCON</td>
</tr>
</tbody>
</table>

#### Options

- Tiltable cab
- Auxiliary heating system with timer
- Activated carbon filter in cab for circulating air
- Steering wheel with adjustable steering column
- Sliding window in operator door
- Armored-glass windshield
- Armored-glass sunroof
- Polycarbonate safety side and rear panels
- Windshield wiper with washer for bottom windshield / glass roof panel
- Rolling shade for roof window and windshield
- Protective roof grating
- FOPS protective roof grating
- Protective front grating
- Radio kit/radio and CD with speakers

#### UNDERCARRIAGE

**Design**
- Strong mobile undercarriage with 4-point outrigger or combination of stabilizer blade and outrigger (option), hydraulically locking pendulum steering axle. Pendulum axle cylinder with pipe-fracture safety valves, individual outrigger actuation

**Drive**
- All-wheel drive powered by a variable-displacement hydraulic motor with direct-mounted, automatically actuated brake valve and 2-stage power shift transmission. Strong planetary axles with integrated steering cylinder, 2-circuit multi-disk service brake.

**Parking brake**
- Spring-loaded multi-disk brake

**Tires**
- 600/50 - 22.5 single pneumatic tires

**Speed**
- Stage I: 0–5.5 km/h; Stage II: 0–20 km/h

**Options**
- Protection for the travel drive
- Towing pintle

#### OPERATING WEIGHT

**Mass**
- 718 M with 2-point outrigger and stabilizer blade, equipped with telescopic stick K13T approx. 21,400 kg

**Notice**
- Operating weight varies by model and equipment.

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Subject to change.
Load ratings

Undercarriage
IX

MP21E

Compact boom
6.5 m

Dipper stick
4.2 m + 2.05 tele

Cab
Maxcab E270,
hydraulically elevating

All load ratings are in kilograms (kg) and apply at the end of the stick, without attachment, on solid, level ground. The specified values are 75% of the static tipping load or 87% of the hydraulic lifting force in accordance with ISO 10567. In accordance with EU standard EN 474/5, material handlers used for hoisting must be equipped with pipe fracture safety devices on the hoist cylinders and an overload warning device. Load ratings apply to a machine with outrigger and for 360° slewing.
Transport dimensions

718 M with MP21E undercarriage with 2-point outrigger and stabilizer blade and type E270 hydraulically elevating cab

718 M with 6.5 m K13 compact boom and 4.2 m dipper stick + 2.05 m telescope

Subject to change.
Transport dimensions

718 M with MP21E undercarriage with 4-point outrigger and and type E270 hydraulically elevating cab

Technical features and dimensions subject to change.
Dimensions

The most compact dimensions for more storage space, thus less traffic area! Compact uppercarriage dimensions for use in tight spaces. Space-saving, optimum maneuverability and safety!

718 M slewing radius

718 M turning radius

Technical features and dimensions subject to change.
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