



ROUGH TERRAIN CRANE XCR130_U

SUPERIOR LIFTING EQUIPMENT



117 t
(129 USt)



50 m
(164 ft)



56 m
(183.7 ft)



64.8 m
(212.5 ft)



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SUPERIOR OPERATOR ENVIRONMENT



BEST SEAT IN THE HOUSE

1.1 m (3.6 ft) WIDE EXTRA-LARGE WELL THOUGHT OUT CAB FOR ALL DAY COMFORT FOR ALL USERS.

Cab is well sealed against dust and noise. The generously sized seat and extra head, shoulder, and arm room means any size operator will feel right at home.

| | | | | | |
|---|-----------------------|---|---|--------------------------|---|
| ① | Large glass area | Large windshield and top glass to reduce blind spots for improved safety during lifting and driving. Includes top and front sunshades. | ⑧ | Engine Start/Stop | Separate engine Stop switch independent of the ignitions switch. Gives the ability to start and stop the engine and leave the LMI active. |
| ② | Engine information | Always on relevant engine information including RPM, temperature, fuel level, and oil pressure. | ⑨ | Steering comfort | Steering column both telescopes and tilts. |
| ③ | HVAC | Adjustable air outlets on dash, behind the operator, at floor level and defroster vents for maximum comfort. | ⑩ | All day power | Stay powered with 12 and 24V power ports, as well as USB radio input and Bluetooth. |
| ④ | Emergency stop switch | Easy accessible from the seat and outside (with the door open) to stop engine if the need arises. | ⑪ | Stay Hydrated | Cupholders and storage bins abound |
| ⑤ | Operation display | The 264mm (10.4 in) true color touch screen with adjustable angle provides friendly screens and operation and diagnostic information at a glance. | ⑫ | Seat | Seat includes adjustable cushion height, back rest angle, headrest, fore-aft, and armrests. |
| ⑥ | Camera display | Split screen display to monitor the winches and behind when reversing, as well as boom tip cameras. | ⑬ | Outrigger controls | Select which beams or jacks you want to move and then just hit the extend or retract button. No contorting your hands trying to press multiple buttons. |
| ⑦ | Control lever | Joysticks include winch rotation tactile feedback as well as operator presents, horn, free swing and high speed winch mode buttons. | ⑭ | Adjustable joystick pods | The joystick pods are independently adjustable from the seat for maximum comfort. |

FAST, RUGGED AND FLEXIBLE

- With four steering modes, including crab steering, tight-turning radius, front axle and rear axle independent steering, that are all controlled by the steering wheel, makes for a natural feeling very flexible crane.
- The crane has 6 forward and 3 reverse gears and a minimum turning radius is 8.4 m (27.6 ft), it can easily get in and out of tight spaces as well as cover long distances with ease.



STRONG POWER

- 231 kW (310 bhp) Tier 4f low-speed high-torque engine combined with a powershift transmission with hydraulic torque converters, true all-wheel drive and deeply lugged radial tires will get you through the toughest conditions.



SUPERIOR PERFORMANCE FOR EXCELLENT LIFTING EQUIPMENT

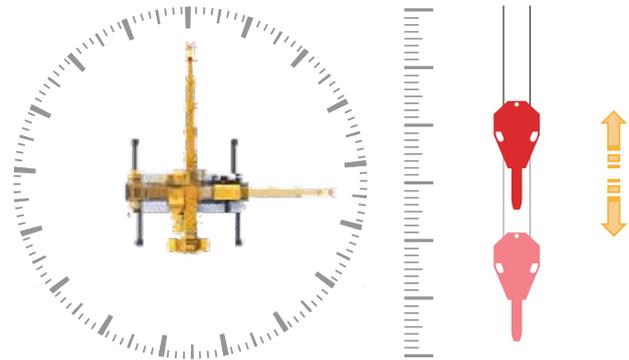
SUPERIOR LIFTING CAPACITY

- The 50 m (164 ft) 5-section boom is among the longest in the industry, and when the full 18.3 m (60 ft) jib is erected, the tip can reach up to 68.3 m (224 ft) and with a working radius out to 56m(183.7ft), the crane is suitable for any kind of lifting work you can throw at it.
- The boom extension system features independent telescoping of T2 and synchronous telescoping of sections 3-5.



DUAL VARIABLE PUMP CONTROL SYSTEM

- Dedicated dual-variable displacement pumps for totally independent winch and boom control, or the flow can be combined for high-speed operation.
- Additional pump for outriggers and slewing and independent pump for AC system.
- Hydraulic oil cooler with automatic temperature control for sustainable operation in high or low temperature environments.



FINE CONTROL

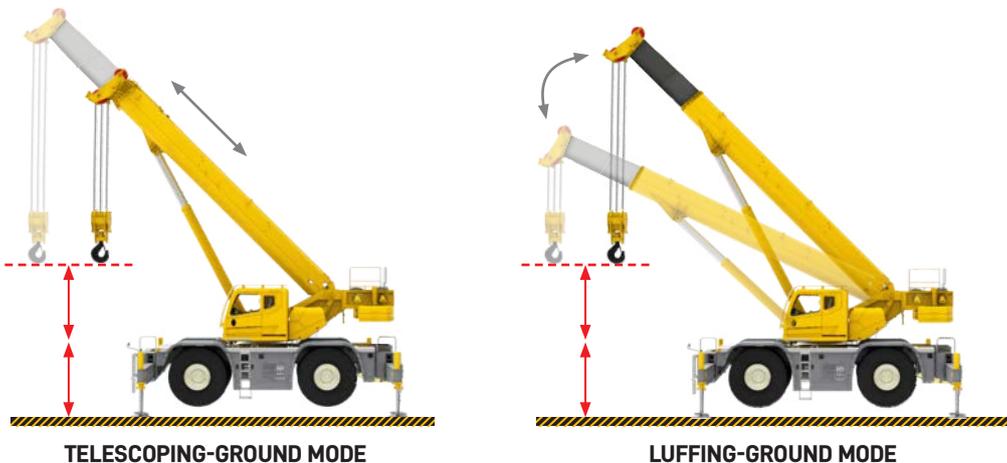
Millimeter precision is achieved when winching, slewing and luffing.



AUTO WINCH AND BOOM COMPENSATION CONTROL SYSTEM

Hook height compensation

The control system automatically controls the spooling in and out of winch rope during telescoping and luffing operations, reducing operation time and difficulty while ensuring safe and efficient operations.



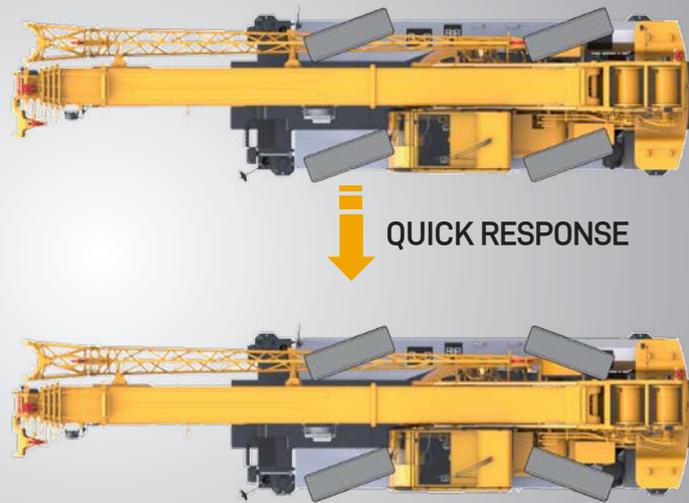
SUPERIOR PERFORMANCE MAKES FOR PRECISE CONTROL AND EFFICIENT OPERATION

INNOVATIVE AUTOMATIC STEERING ANGLE ADJUSTMENT TECHNOLOGY

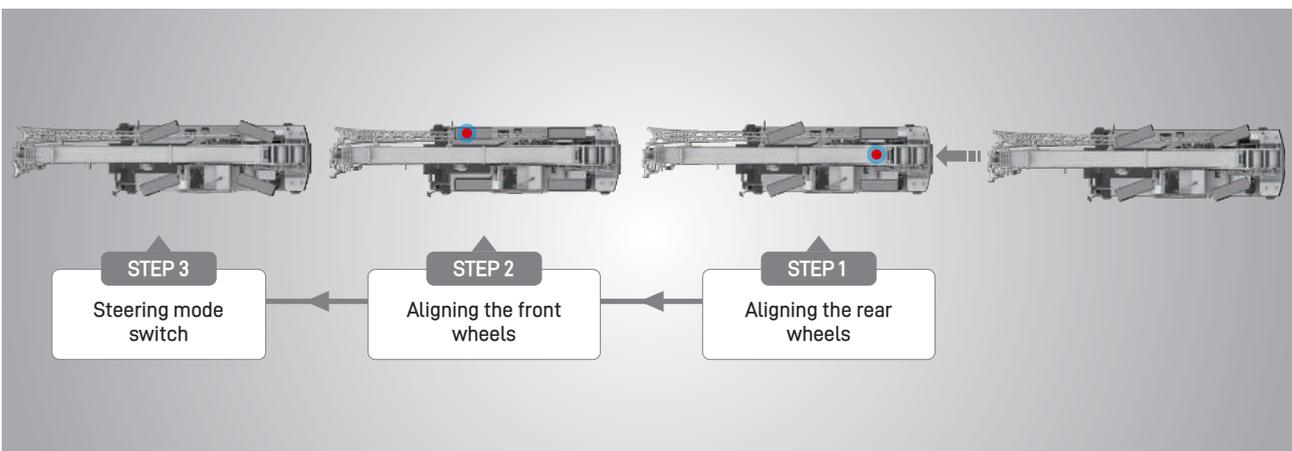
- The steering modes can be switched at any time with the turn of the knob and the crane takes care of the rest.
- Dedicated display mode showing the exact position of the wheels and the status of the system. No more guessing where the wheels are at.

STEERING MODE SWITCHING IN XCMG ROUGH TERRAIN CRANES EASY SELECTION FOR EFFICIENT AND TIME-SAVING OPERATION

XCMG MULTI-MODE STEERING TECHNOLOGY WITH REAR WHEEL AUTO CENTERING



STEERING MODE SWITCHING IN OTHER ROUGH TERRAIN BRANDS



ADVANCED ENERGY-SAVING HYDRAULIC SYSTEM

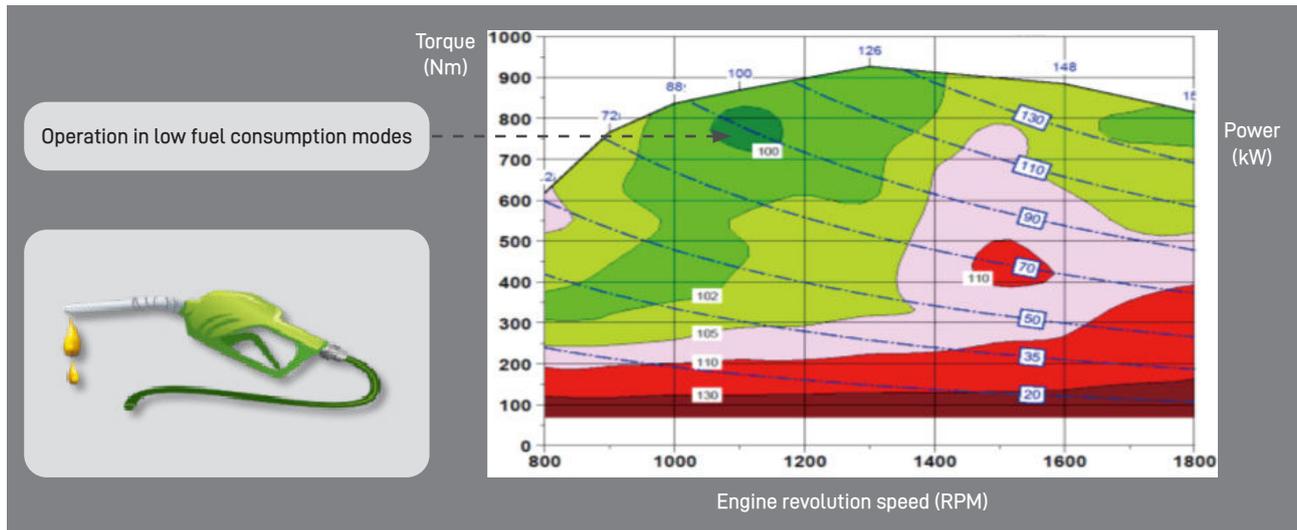
- Latest technology energy-saving hydraulic system with electronic controlled dual-variable pumps. By using gravity assistance for luffing down, fuel use can be greatly reduced under various operation modes.



SUPERIOR PERFORMANCE LEADING THE INDUSTRY IN SAVING ENERGY

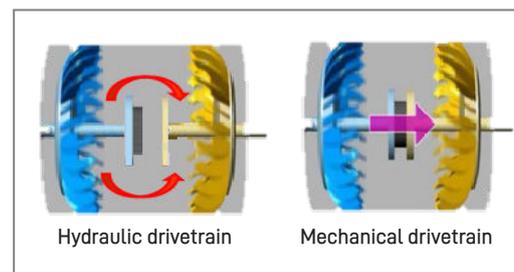
ECO ENERGY-SAVING MODE

- Under different operation modes, limiting the engine speed and utilizing the high-flow pumps, XCMG RT cranes achieve the lowest fuel consumption during lifting operations.



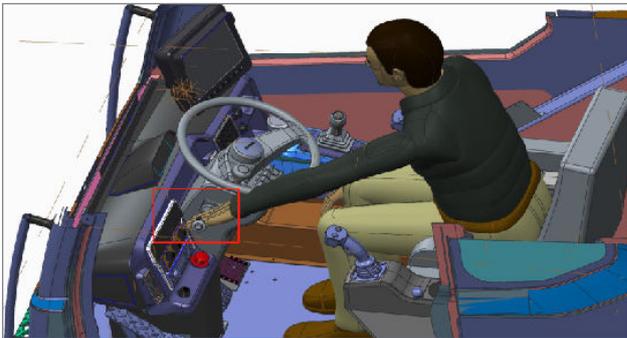
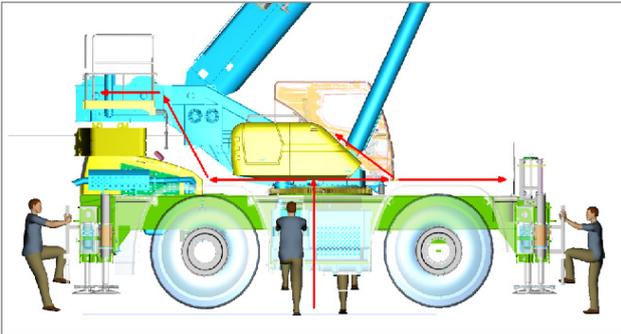
EFFICIENT HYDRAULIC TORQUE CONVERTER DRIVETRAIN

- The lock up torque converter offers efficient high speed travel operation and low speed torque multiplication when the going gets tough.
- At creep speeds the hydraulic torque multiplication is utilized to pull the crane through the toughest conditions.
- During higher speed travel, the converter is bypassed for a highly efficient direct drive connection between the engine and transmission.

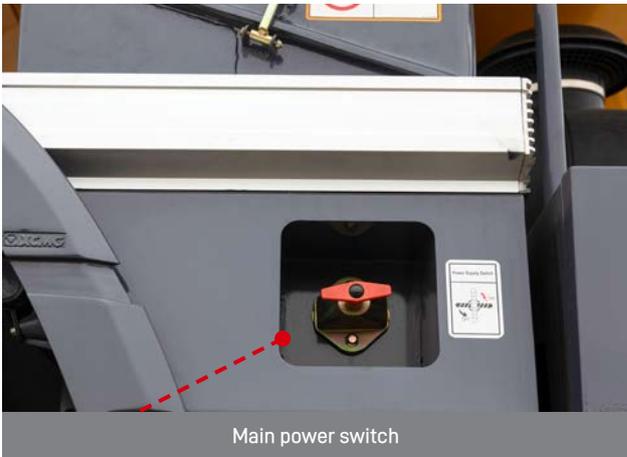


WELL-PLANNED ACCESS

- With complete cab and deck, and maintenance access, the operator can get on the vehicle from all four sides no matter the upper rotation.
- Professional ergonomic simulation analysis, and user-friendly detailed design.



The pressure testing ports are centrally arranged.

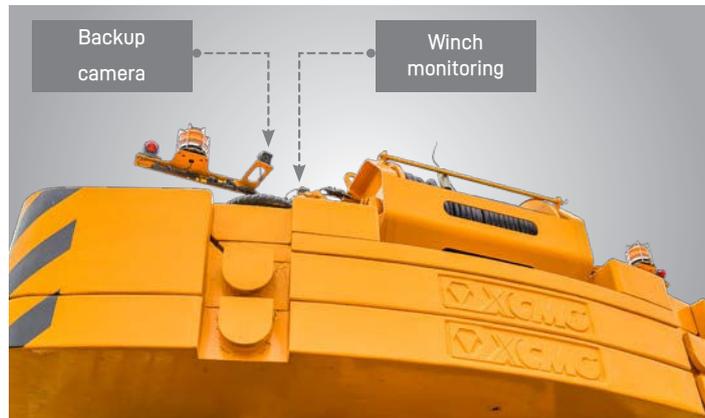


Main power switch

SUPERIOR CRAFTSMANSHIP AND UPGRADED QUALITY

MULTI-DIRECTIONAL MONITORING FOR SAFER DRIVING AND LIFTING OPERATIONS

- Equipped with winch monitoring camera so the operator can always see what is going on with the winches.
- Backup camera automatically activates when traveling in reverse.
- Optional zoomable boom tip camera to give better view into the lifted load.



THREE-DIMENSIONAL AIR VENTS FOR COMFORTABLE DRIVING

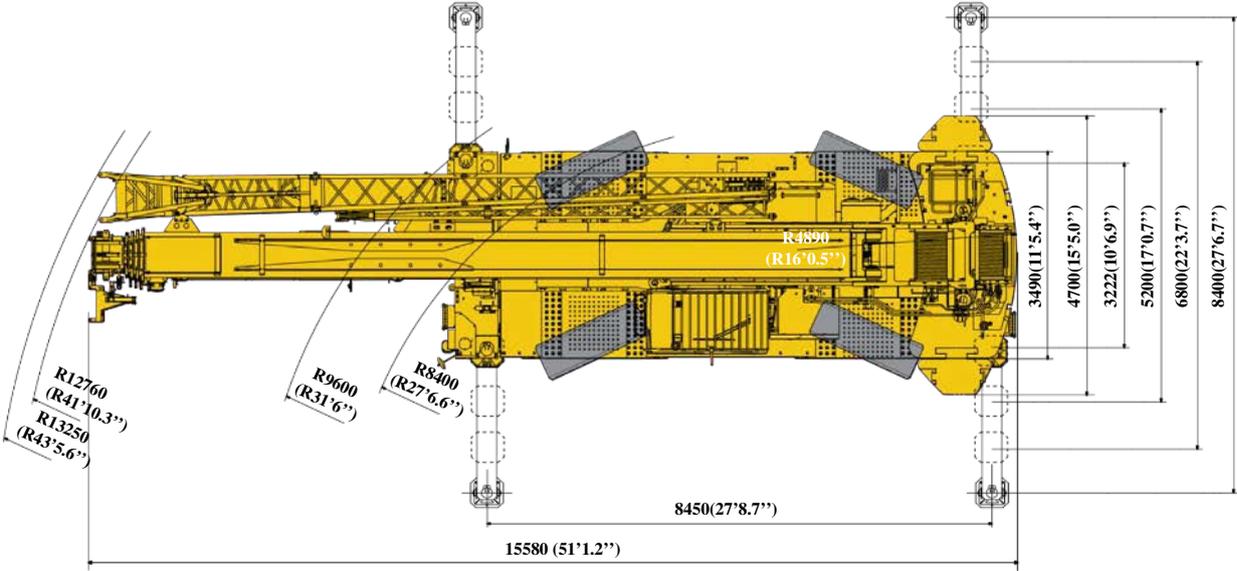
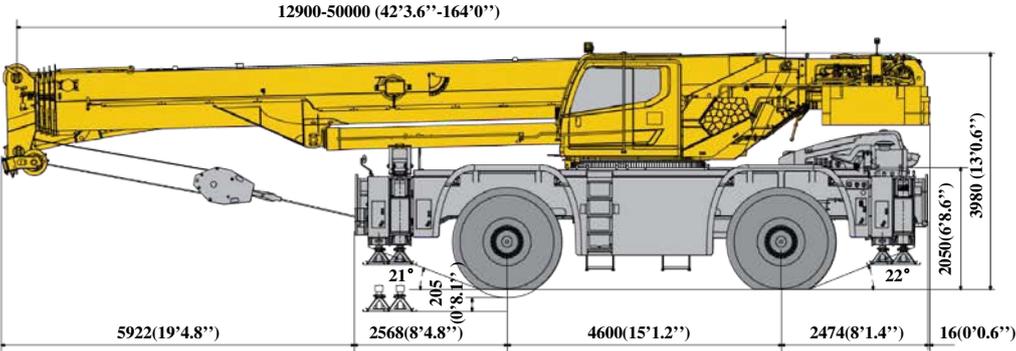
- High power air conditioner is equipped with three-dimensional air vents for more uniform and directable air flow.
- Also includes vents at the operator's feet and on the dash as well as defrost vents directed at the windshield.
- Diesel fuel fired heater for near instant heat.



SUPERIOR ELECTRICAL PROTECTION FOR MORE RELIABLE OPERATION

- The electrical features all sealed connectors.
- Centralized electrical panels with all controllers, fuses and relays.
- Intelligent wire routings and clamps to maximize crane uptime.





TECHNICAL SPECIFICATIONS



CONFIGURATION

| | |
|-------------------|---|
| Frame | Made of high strength fine grained steel, welded torsion-resistant frame type construction with large cross-section and high load-bearing capacity. |
| Outriggers | 4 outriggers are arranged in H shape, located at both sides of frame, are electro-hydraulically controlled from the cab with electronic level. Outrigger float dimensions: 550× 550 mm (1.8×1.8 ft). |
| Engine | Cummins L9, in line six-cylinder water-cooled diesel engine U.S. EPA Tier 4F emission standard. Power: 231 kW (310 bhp) @ 2100 rpm Torque: 1526 Nm (1126 ft-lb) @ 1400 rpm, compliant to U.S. Fuel tank capacity: 305 L (81 gal); DEF tank capacity: 30 L (8 gal). |
| Transmission | ZF 6WG260 automated power shift transmission with 6 forward and 3 reverse speeds. Drop box style with emergency steering pump and interaxle lock up. |
| Axles | Heavy duty drive/steering axles with disk brakes and deferential locks. |
| Suspension | Front axle: rigidly mounted to the frame. The rear axle is mounted with a center pivot that locks solid during pick and carry operation. |
| Tires | 875/65R29 tires designed for rough terrain cranes. |
| Brake | Service brake: double-circuit hydraulic disc brakes acting on all wheels. Automatically braking and alarm when the pressure in braking system is too low. Parking brake: spring-loaded brake, acting on front and rear axles. |
| Steering | Four mode hydraulic steering: Front and rear independent, tight and crab steer modes. Rear axle will automatically center when changing modes. |
| Hydraulic system | Dual-variable displacement pumps, used for lifting, luffing and telescoping operations, and a gear pump, used for slewing, outrigger, steering and braking operations; a load sharing proportional multi-way selection valve is used as the main valve. Includes hydraulic oil cooler. Independent hydraulic oil cooler is fitted. Hydraulic oil tank capacity: 1225 L (323.6 gal). |
| Electrical system | 24 V DC, two 180 AH 12 V batteries in series. LMI and crane control via CAN bus system. With headlights, break lights, turn signals, back up lights, work lights on turntable, boom and cab. |

**CONFIGURATION**

| | |
|------------------------------------|--|
| Boom | The boom consists of one basic section and four telescopic sections with U-type cross-section, and is extended and retracted by the dual-cylinder wire-rope-type telescoping system. 6 sheaves on boom head are standard. Boom length: 12.9~50 m (42.3~164.0 ft). |
| Jib | 2-section, lattice structure, with 0°, 15° and 30° jib offset angles available, stowed at the side of the boom. Jib length: 10.8~18.3 m (35.4~60.0 ft). |
| Control system | Electrically controlled operation system is equipped with two dual axes levers controlling the movements of the crane. |
| Main winch | The grooved drum is driven by a hydraulic motor with counterbalance valve through a planetary gear reducer, and a normally closed brake. |
| Slewing system | Single-row four-point ball contact slewing ring, driven by a hydraulic motor through a planetary gear reducer with spring applied hydraulic release brake and includes free swing mode. |
| Cab | Operator's cab is tilt-able to 20deg with sliding door, large safety glass windows and roof guardrail. Includes top and front sliding sunscreens and multi-way adjustable seat and arm rests. Heater, air conditioner, radio, and 12 V and 24 V DC outlets are included. |
| Optional aids | Hydraulic counterbalance valves, hydraulic relief valves. Fully featured LMI system including Anti-two block and winch overwind. |
| Counterweight | Standard self removing: 16 tonne (35,274 lb), |
| Hook block | 60 t (66 USt) hook block, 7 t (7.7 USt) hook block. |
| Luffing system | Single cylinder luffing, with counterbalance valve featuring the load compensation function. |
| Auxiliary sheave | Auxiliary sheave stowable on boom tip for single part of line. |
| 360° Slewing locking device | House lock that engages the teeth of the slew gear for locking the upper in any position |

Product parts list is as mentioned above. Please refer to the product quotation for specific parts.

OPTIONAL EQUIPMENT/WEIGHT



| OPTIONAL EQUIPMENT | COMPONENT DESCRIPTION |
|--------------------|---|
| Hook block | 110 tonne (121 USt) hook block |
| Counterweight | Total weight :7 tonne (15,432 lb), consisting of 2.9 tonne (6,393 lb)×2 and 1.2 tonne (2,646 lb). |
| Auxiliary winch | The system is driven by a hydraulic motor through a planetary gear reducer, with a normally closed brake and a counterbalance valve equipped. |



| CONFIGURATION | WEIGHTS | FRONT AXLE | REAR AXLE |
|---|------------------------|----------------------------|---------------------------|
| Basic configuration weight | 50523kg (111,384.2lb) | 37,342.5 kg (82,326.2 lb) | 13180.5 kg (29,058 lb) |
| Add: 16 tonne (35,274 lb) counterweight | 16,000 kg (35,274 lb) | -5,578.1 kg (-12,297.6 lb) | 21,578.1 kg (47,571.6 lb) |
| Add: 7 tonne (15,432 lb) counterweight | 7,000 kg (15,432.4 lb) | -2,407.9 kg (-5,308.5 lb) | 9,408.9 kg (20,743.1 lb) |
| Add: Auxiliary winch system (with wire rope) | 1218 kg (2,685.2 lb) | -542.7 kg (-1,196.4 lb) | 1,760.7 kg (3,881.7 lb) |
| Add: Jib | 1,480 kg (3,262.8 lb) | 2,438.1 kg (5,375.2 lb) | -958.1 kg (-2,112.3 lb) |
| Add: Auxiliary sheave | 71 kg (156.5 lb) | 198 kg (436.4 lb) | -126.9 kg (-279.7 lb) |
| Add: 110 tonne (120 USt) hook block (Fixed in front of the crane) | 1,018 kg (2,244.3 lb) | 1,982.9 kg (4,371.5 lb) | -964.9 kg (-2,127.2 lb) |
| Add: 60 tonne (66 USt) hook block (Fixed in front of the crane) | 500 kg (1,102.3 lb) | 973.9 kg (2,147.1 lb) | -473.9 kg (-1,044.8 lb) |
| Add: 7 tonne (7.7 USt) hook block (Fixed in front of the crane) | 257 kg (566.6 lb) | 334.6 kg (737.7 lb) | -77.6 kg (-171.1 lb) |

Note: if the counterweight of 23 tonne (50,706 lb) is taken on the crane, only short-distance transfer is allowed, and travel speed should not exceed 5 km/h (3.1 mph).

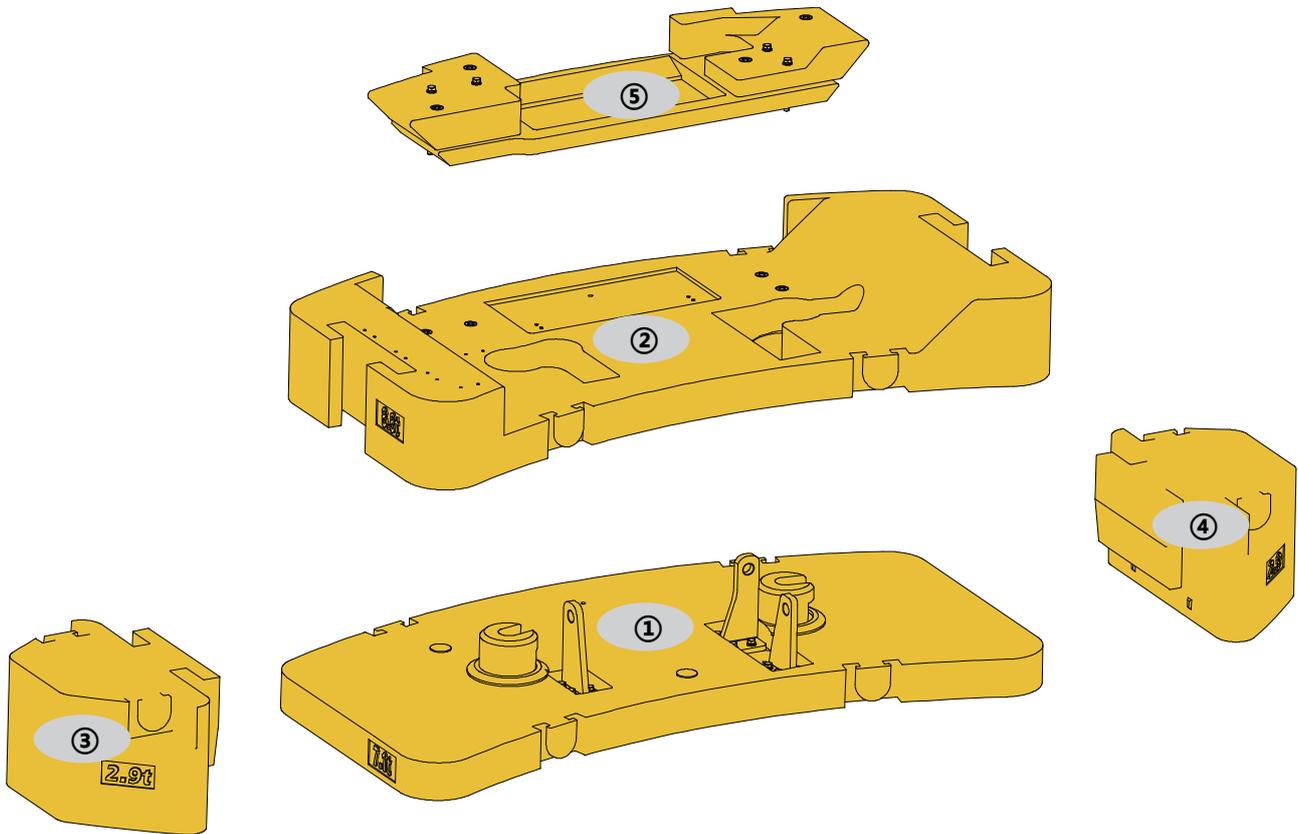


| HOOK BLOCK | SHEAVE NUMBER (PCS) | PARTS OF LINE | WEIGHT OF HOOK BLOCK | DIMENSIONS | NOTES |
|---------------------|---------------------|---------------|----------------------|--|-------------|
| 110 tonne (121 USt) | 6 | 13 | 1018 kg (2,245 lb) | 640 × 580 × 1749 mm (2.1 × 1.9 × 5.74 ft) | Dual-hook |
| 60 tonne (66 USt) | 3 | 6 | 500 kg (1,102 lb) | 450 × 590 × 1494 mm (1.48 × 1.94 × 4.9 ft) | Single-hook |
| 7 tonne (7.7 USt) | 1 | 1 | 257 kg (566 lb) | 731 × Ø426 mm (2.4 × Ø1.4 ft) | Single-hook |

| | | | |
|---|---|---|---|
|  |  |  |  |
| 875 / 65R29 | | 30 kph (18.6 mph) | 80% |

| | | | | |
|---|---|---|---|---|
|  |  |  |  |  |
|  | 0-135 m / min (0-442.8 fpm), single line, no load | 99 kN (22,256 lbf) | 22 mm (0.866 in) | 250 m (820 ft) |
|  | 0-90 m / min (0-295.2 fpm), single line, no load | 71 kN (15,961 lbf) | 22 mm (0.866 in) | 150 m (492 ft) |
|  | 0-1.8 rpm | | | |
|  | Approx. 55 s for boom luffing up from 0° to 80° | | | |
|  | Approx. 125 s for boom extending from 12.9 m to 50 m (43.2 ft- 164.0 ft) | | | |

COUNTERWEIGHT



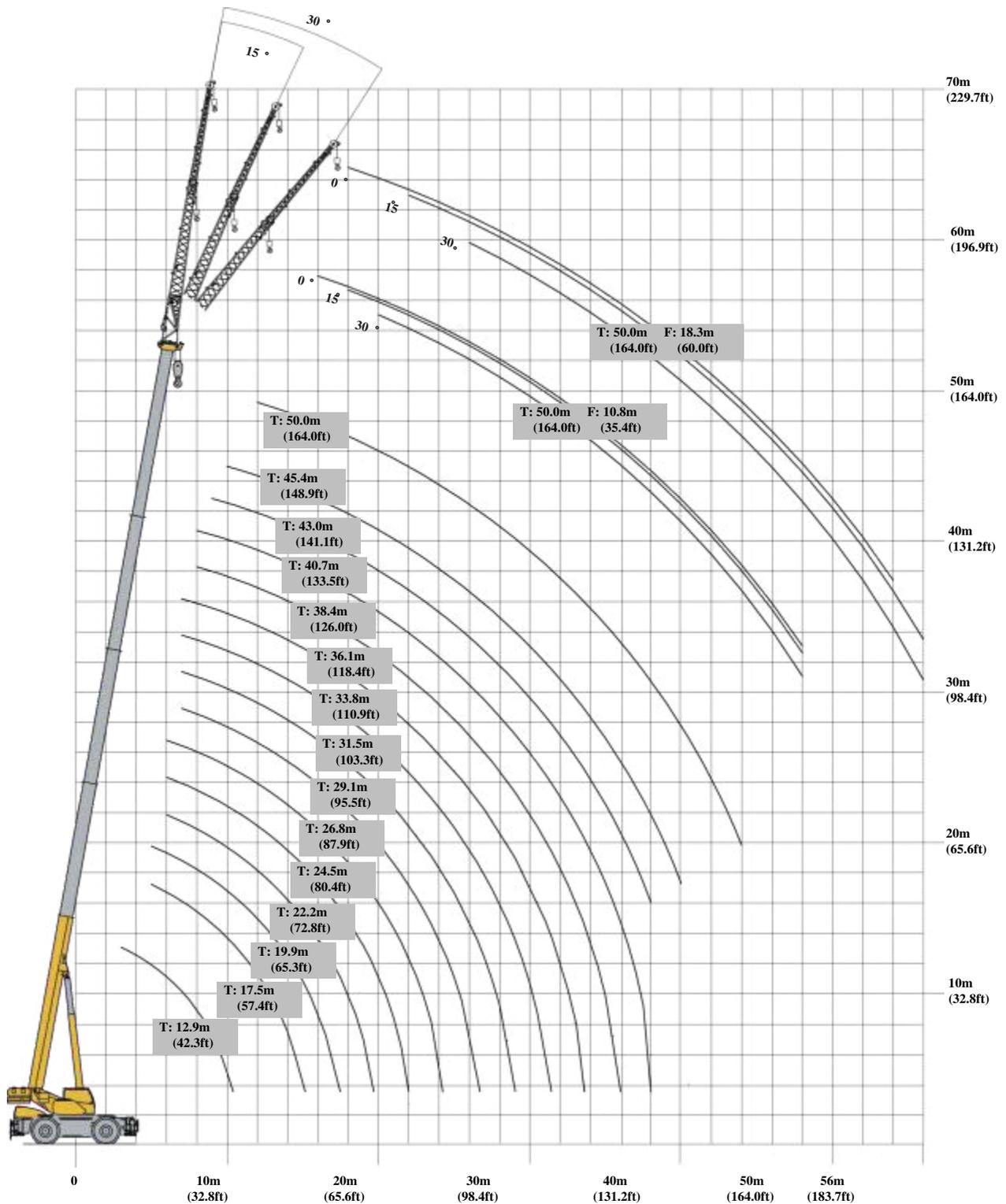
| | ① | ② | ③ | ④ | ⑤ |
|----------------------------------|----------------------------------|---------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Dimensions (L×W×H) mm (ft) | 3480×1850 ×570 (11.4×6.3×1.9) | 3480×1850×455 (11.4×6.3×1.5) | 1241×787×655 (4.1×2.6×2.1) | 1241×787×655 (4.1×2.6×2.1) | 2475×720×256 (8.1×2.4×0.8) |
| Weights t (lb) | 7.2 (15,874) | 8.8 (19,400) | 2.9 (6393) | 2.9 (6393) | 1.2 (2646) |

| OPERATION MODE | 23 T (50,706 LB) | 16 T (35,274 LB) | 0 T (0 LB) |
|----------------|-------------------|------------------|------------|
| Combinations | ① + ② + ③ + ④ + ⑤ | ① + ② | — |

| BOOM | BOOM+ 1ST FIXED JIB | BOOM+ 2ND FIXED JIB |
|----------------------------|--------------------------------------|------------------------------------|
| T: 12.9-50 m (42.3-164 ft) | T: 50 m (164 ft) F: 10.8 m (35.4 ft) | T: 50 m (164 ft) F: 18.3 m (60 ft) |

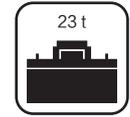
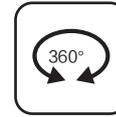


WORKING RANGE DIAGRAM



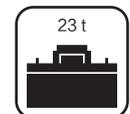
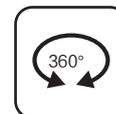
BOOM

ASME B30.5 85%



| | 12.9 | 17.5 | 19.9 | 22.2 | 24.5 | 26.8 | 29.1 | 31.5 | 33.8 | 36.1 | 38.4 | 40.7 | 43.0 | 45.4 | 50.0 | |
|-----|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 2.5 | 117* | | | | | | | | | | | | | | | 2.5 |
| 3 | 110.0 | | | | | | | | | | | | | | | 3 |
| 4 | 90.0 | | | | | | | | | | | | | | | 4 |
| 5 | 72.0 | 70.0 | 39.2 | | | | | | | | | | | | | 5 |
| 6 | 60.0 | 59.5 | 40.3 | 56.0 | 37.5 | 39.2 | | | | | | | | | | 6 |
| 7 | 52.0 | 52.0 | 41.3 | 52.0 | 38.6 | 40.0 | 37.0 | 30.1 | 28.0 | 31.0 | | | | | | 7 |
| 8 | 45.5 | 45.5 | 42.3 | 45.0 | 39.1 | 37.5 | 37.0 | 30.5 | 26.3 | 30.5 | 22.5 | 20.6 | | | | 8 |
| 9 | 39.0 | 40.3 | 40.0 | 39.6 | 40.1 | 35.2 | 35.0 | 28.0 | 24.7 | 27.5 | 21.6 | 19.8 | 19.5 | | | 9 |
| 10 | 28.5 | 35.1 | 34.8 | 34.5 | 35.5 | 33.1 | 31.0 | 26.5 | 23.4 | 27.6 | 20.4 | 18.7 | 18.9 | 17.4 | | 10 |
| 12 | | 25.3 | 27.5 | 25.6 | 28.3 | 28.7 | 27.0 | 22.4 | 21.2 | 24.4 | 18.5 | 17.2 | 17.3 | 17.0 | 13.9 | 12 |
| 14 | | 19.1 | 21.2 | 19.0 | 21.2 | 22.1 | 20.2 | 21.3 | 19.2 | 21.1 | 16.6 | 15.2 | 15.7 | 15.9 | 13.4 | 14 |
| 16 | | | 16.5 | 14.5 | 16.6 | 17.5 | 15.6 | 17.1 | 17.5 | 16.5 | 15.5 | 13.5 | 14.0 | 14.1 | 12.4 | 16 |
| 18 | | | | 11.3 | 13.3 | 14.4 | 12.4 | 13.8 | 15.0 | 13.3 | 14.4 | 12.2 | 12.6 | 12.7 | 12.0 | 18 |
| 20 | | | | | 10.8 | 12.1 | 10.0 | 11.4 | 12.5 | 10.9 | 11.9 | 11.1 | 11.4 | 11.5 | 10.8 | 20 |
| 22 | | | | | 6.9 | 10.4 | 8.2 | 9.5 | 10.6 | 9.0 | 10.0 | 10.0 | 9.5 | 10.3 | 9.5 | 22 |
| 24 | | | | | | 6.8 | 6.7 | 8.0 | 9.0 | 7.5 | 8.5 | 9.3 | 8.0 | 8.8 | 8.4 | 24 |
| 26 | | | | | | | 4.2 | 6.7 | 7.8 | 6.2 | 7.2 | 8.2 | 6.8 | 7.5 | 7.1 | 26 |
| 28 | | | | | | | | 4.5 | 6.7 | 5.2 | 6.2 | 7.1 | 5.7 | 6.5 | 6.1 | 28 |
| 30 | | | | | | | | | 3.3 | 4.4 | 5.3 | 6.2 | 4.9 | 5.6 | 5.2 | 30 |
| 32 | | | | | | | | | | 2.1 | 4.6 | 5.5 | 4.1 | 4.9 | 4.5 | 32 |
| 34 | | | | | | | | | | | 3.9 | 4.8 | 3.5 | 4.2 | 3.8 | 34 |
| 36 | | | | | | | | | | | | 4.2 | 2.9 | 3.7 | 3.2 | 36 |
| 38 | | | | | | | | | | | | 2.1 | 2.4 | 3.2 | 2.7 | 38 |
| 40 | | | | | | | | | | | | | | 2.7 | 2.3 | 40 |
| 42 | | | | | | | | | | | | | | | 1.9 | 42 |
| 44 | | | | | | | | | | | | | | | 1.6 | 44 |

*Requires special equipment

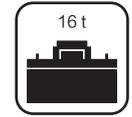
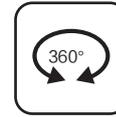


| | 12.9 | 17.5 | 19.9 | 22.2 | 24.5 | 26.8 | 29.1 | 31.5 | 33.8 | 36.1 | 38.4 | 40.7 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|
| | 0° | 0° | 0° | 0° | 0° | 0° | 0° | 0° | 0° | 0° | 0° | 0° |
| | 10.4 | 15.1 | 17.4 | 19.7 | 22.0 | 24.3 | 26.6 | 29.0 | 31.3 | 33.6 | 36.0 | 38.0 |
| | 17.5 | 12.1 | 11.2 | 6.7 | 6.9 | 6.2 | 3.5 | 4.2 | 2.2 | 1.5 | 1.2 | 2.1 |

LOAD CHARTS

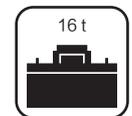
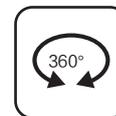
BOOM

ASME B30.5 85%



| | 12.9 | 17.5 | 19.9 | 22.2 | 24.5 | 26.8 | 29.1 | 31.5 | 33.8 | 36.1 | 38.4 | 40.7 | 43.0 | 45.4 | 50.0 | |
|-----|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 2.5 | 117* | | | | | | | | | | | | | | | 2.5 |
| 3 | 110.0 | | | | | | | | | | | | | | | 3 |
| 4 | 85.0 | | | | | | | | | | | | | | | 4 |
| 5 | 70.0 | 70.0 | 39.2 | | | | | | | | | | | | | 5 |
| 6 | 58.5 | 58.5 | 40.3 | 55.0 | 37.5 | 39.2 | | | | | | | | | | 6 |
| 7 | 49.0 | 49.0 | 41.3 | 47.5 | 38.6 | 40.0 | 37.0 | 30.1 | 28.0 | 31.0 | | | | | | 7 |
| 8 | 42.5 | 42.2 | 42.1 | 40.3 | 39.1 | 37.5 | 37.0 | 30.5 | 26.3 | 30.5 | 22.5 | 20.6 | | | | 8 |
| 9 | 37.0 | 35.7 | 37.1 | 34.1 | 36.5 | 35.2 | 35.0 | 28.0 | 24.7 | 27.5 | 21.6 | 19.8 | 19.5 | | | 9 |
| 10 | 25.0 | 29.9 | 33.0 | 29.4 | 32.0 | 33.1 | 31.0 | 26.5 | 23.4 | 27.6 | 20.4 | 18.7 | 18.9 | 17.4 | | 10 |
| 12 | | 20.3 | 23.1 | 19.9 | 22.2 | 24.1 | 21.6 | 22.4 | 21.2 | 22.7 | 18.5 | 17.2 | 17.3 | 17.0 | 13.9 | 12 |
| 14 | | 14.7 | 17.2 | 14.3 | 16.5 | 18.1 | 15.9 | 17.4 | 18.7 | 16.8 | 16.6 | 15.2 | 15.7 | 15.9 | 13.4 | 14 |
| 16 | | | 13.4 | 10.7 | 12.6 | 14.2 | 12.1 | 13.5 | 14.7 | 13.0 | 14.1 | 13.5 | 13.6 | 14.1 | 12.4 | 16 |
| 18 | | | | 8.0 | 9.9 | 11.5 | 9.4 | 10.8 | 11.9 | 10.3 | 11.3 | 12.2 | 10.8 | 11.7 | 11.2 | 18 |
| 20 | | | | | 7.9 | 9.4 | 7.4 | 8.7 | 9.8 | 8.2 | 9.2 | 10.2 | 8.8 | 9.6 | 9.1 | 20 |
| 22 | | | | | 5.0 | 7.8 | 5.9 | 7.2 | 8.2 | 6.6 | 7.6 | 8.6 | 7.2 | 8.0 | 7.5 | 22 |
| 24 | | | | | | 4.8 | 4.6 | 5.9 | 6.9 | 5.4 | 6.4 | 7.3 | 5.9 | 6.7 | 6.3 | 24 |
| 26 | | | | | | | 2.5 | 4.9 | 5.9 | 4.4 | 5.3 | 6.2 | 4.9 | 5.6 | 5.2 | 26 |
| 28 | | | | | | | | 3.1 | 5.0 | 3.5 | 4.5 | 5.4 | 4.0 | 4.8 | 4.3 | 28 |
| 30 | | | | | | | | | 2.9 | 2.7 | 3.7 | 4.6 | 3.3 | 4.0 | 3.6 | 30 |
| 32 | | | | | | | | | | | 3.1 | 4.0 | 2.7 | 3.4 | 3.0 | 32 |
| 34 | | | | | | | | | | | 2.5 | 3.4 | 1.9 | 2.9 | 2.4 | 34 |
| 36 | | | | | | | | | | | | 3.0 | 1.4 | 2.4 | 1.9 | 36 |
| 38 | | | | | | | | | | | | | | 1.9 | 1.4 | 38 |
| 40 | | | | | | | | | | | | | | | 1.0 | 40 |

*Requires special equipment



| | 12.9 | 17.5 | 19.9 | 22.2 | 24.5 | 26.8 | 29.1 | 31.5 | 33.8 |
|--|------|------|------|------|------|------|------|------|------|
| | 0° | 0° | 0° | 0° | 0° | 0° | 0° | 0° | 0° |
| | 10.4 | 15.1 | 17.4 | 19.7 | 22.0 | 24.3 | 26.6 | 29.0 | 31.3 |
| | 15.5 | 9.9 | 9.3 | 4.3 | 5.0 | 4.5 | 2.2 | 2.9 | 1.6 |

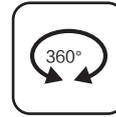
JIB
ASME B30.5 85%



| | 50+10.8 | | | |
|----|---------|-----|-----|----|
| | 0° | 15° | 30° | |
| 16 | 6.2 | | | 16 |
| 18 | 6.1 | 5.3 | | 18 |
| 20 | 6.0 | 5.1 | 3.5 | 20 |
| 22 | 6.0 | 5.1 | 3.3 | 22 |
| 24 | 5.4 | 4.9 | 3.2 | 24 |
| 26 | 4.6 | 4.6 | 3.1 | 26 |
| 28 | 4.0 | 4.2 | 3.0 | 28 |
| 30 | 3.4 | 3.6 | 2.9 | 30 |
| 32 | 3.0 | 3.2 | 2.7 | 32 |
| 34 | 2.5 | 2.7 | 2.6 | 34 |
| 36 | 2.2 | 2.3 | 2.5 | 36 |
| 38 | 1.9 | 2.0 | 2.2 | 38 |
| 40 | 1.6 | 1.7 | 1.8 | 40 |
| 42 | 1.4 | 1.4 | 1.5 | 42 |
| 44 | 1.1 | 1.3 | 1.3 | 44 |
| 46 | 0.9 | 1.0 | 1.1 | 46 |
| 48 | 0.7 | 0.8 | 0.9 | 48 |

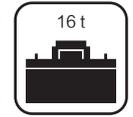
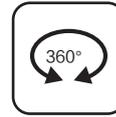
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JIB
ASME B30.5 85%



| | 50+18.3 | | | |
|----|---------|-----|-----|----|
| | 0° | 15° | 30° | |
| 18 | 3.0 | | | 18 |
| 20 | 3.1 | | | 20 |
| 22 | 3.1 | 2.4 | | 22 |
| 24 | 3.1 | 2.2 | | 24 |
| 26 | 3.1 | 2.1 | 1.6 | 26 |
| 28 | 2.9 | 2.0 | 1.5 | 28 |
| 30 | 2.8 | 1.9 | 1.4 | 30 |
| 32 | 2.7 | 1.8 | 1.3 | 32 |
| 34 | 2.6 | 1.7 | 1.2 | 34 |
| 36 | 2.4 | 1.6 | 1.2 | 36 |
| 38 | 2.2 | 1.5 | 1.1 | 38 |
| 40 | 1.8 | 1.4 | 1.1 | 40 |
| 42 | 1.6 | 1.4 | 1.0 | 42 |
| 44 | 1.4 | 1.3 | 1.1 | 44 |
| 46 | 1.2 | 1.2 | 1.0 | 46 |
| 48 | 1.0 | 1.2 | 1.0 | 48 |
| 50 | 0.8 | 1.0 | 1.0 | 50 |
| 52 | 0.6 | 0.8 | 0.9 | 52 |
| 54 | | 0.7 | 0.8 | 54 |
| 56 | | 0.5 | 0.6 | 56 |

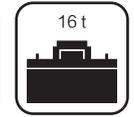
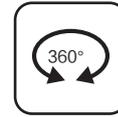
JIB
ASME B30.5 85%



| | 50+10.8 | | | |
|----|---------|-----|-----|----|
| | 0° | 15° | 30° | |
| 16 | 6.2 | | | 16 |
| 18 | 6.1 | 5.3 | | 18 |
| 20 | 5.9 | 5.1 | 3.5 | 20 |
| 22 | 5.0 | 5.1 | 3.3 | 22 |
| 24 | 4.1 | 4.5 | 3.2 | 24 |
| 26 | 3.5 | 3.8 | 3.1 | 26 |
| 28 | 2.9 | 3.2 | 3.0 | 28 |
| 30 | 2.4 | 2.7 | 2.9 | 30 |
| 32 | 2.1 | 2.3 | 2.4 | 32 |
| 34 | 1.7 | 1.9 | 2.1 | 34 |
| 36 | 1.4 | 1.5 | 1.7 | 36 |
| 38 | 1.2 | 1.3 | 1.4 | 38 |
| 40 | 0.9 | 1.0 | 1.2 | 40 |
| 42 | 0.7 | 0.8 | 0.9 | 42 |
| 44 | | | 0.7 | 44 |

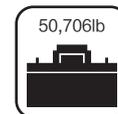
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JIB
ASME B30.5 85%



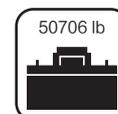
| | 50+18.3 | | | |
|----|---------|-----|-----|----|
| | 0° | 15° | 30° | |
| 18 | 3.0 | | | 18 |
| 20 | 3.1 | | | 20 |
| 22 | 3.1 | 2.4 | | 22 |
| 24 | 3.1 | 2.2 | | 24 |
| 26 | 3.1 | 2.1 | 1.6 | 26 |
| 28 | 2.9 | 2.0 | 1.5 | 28 |
| 30 | 2.7 | 1.9 | 1.4 | 30 |
| 32 | 2.3 | 1.8 | 1.3 | 32 |
| 34 | 2.0 | 1.7 | 1.2 | 34 |
| 36 | 1.6 | 1.6 | 1.2 | 36 |
| 38 | 1.4 | 1.5 | 1.1 | 38 |
| 40 | 1.2 | 1.4 | 1.1 | 40 |
| 42 | 0.9 | 1.2 | 1.0 | 42 |
| 44 | 0.7 | 1.0 | 1.1 | 44 |
| 46 | | 0.7 | 0.9 | 46 |
| 48 | | | 0.7 | 48 |

BOOM
ASME B30.5 85%



| | 42.3 | 57.4 | 65.3 | 72.8 | 80.4 | 87.9 | 95.5 | 103.3 | 110.9 | 118.4 | 126.0 | 133.5 | 141.1 | 148.9 | 164.0 | |
|-------|---------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8.2 | 257938* | | | | | | | | | | | | | | | 8.2 |
| 9.8 | 242506 | | | | | | | | | | | | | | | 9.8 |
| 13.1 | 198414 | | | | | | | | | | | | | | | 13.1 |
| 16.4 | 158731 | 154322 | 86420 | | | | | | | | | | | | | 16.4 |
| 19.7 | 132276 | 131174 | 88845 | 123458 | 82673 | 86420 | | | | | | | | | | 19.7 |
| 23.0 | 114639 | 114639 | 91050 | 114639 | 85098 | 88184 | 81570 | 66358 | 61729 | 68343 | | | | | | 23.0 |
| 26.2 | 100309 | 100309 | 93255 | 99207 | 86200 | 82673 | 81570 | 67240 | 57981 | 67240 | 49604 | 45415 | | | | 26.2 |
| 29.5 | 85979 | 88845 | 88184 | 87302 | 88404 | 77602 | 77161 | 61729 | 54454 | 60627 | 47619 | 43651 | 42990 | | | 29.5 |
| 32.8 | 62831 | 77381 | 76720 | 76059 | 78263 | 72972 | 68343 | 58422 | 51588 | 60847 | 44974 | 41226 | 41667 | 38360 | | 32.8 |
| 39.4 | | 55776 | 60627 | 56438 | 62390 | 63272 | 59524 | 49383 | 46738 | 53792 | 40785 | 37919 | 38140 | 37478 | 30644 | 39.4 |
| 45.9 | | 42108 | 46738 | 41887 | 46738 | 48722 | 44533 | 46958 | 42328 | 46517 | 36596 | 33510 | 34612 | 35053 | 29542 | 45.9 |
| 52.5 | | | 36376 | 31967 | 36596 | 38581 | 34392 | 37699 | 38581 | 36376 | 34171 | 29762 | 30864 | 31085 | 27337 | 52.5 |
| 59.1 | | | | 24912 | 29321 | 31746 | 27337 | 30423 | 33069 | 29321 | 31746 | 26896 | 27778 | 27998 | 26455 | 59.1 |
| 65.6 | | | | | 23810 | 26676 | 22046 | 25132 | 27558 | 24030 | 26235 | 24471 | 25132 | 25353 | 23810 | 65.6 |
| 72.2 | | | | | 15212 | 22928 | 18078 | 20944 | 23369 | 19841 | 22046 | 22046 | 20944 | 22707 | 20944 | 72.2 |
| 78.7 | | | | | | 14991 | 14771 | 17637 | 19841 | 16535 | 18739 | 20503 | 17637 | 19400 | 18519 | 78.7 |
| 85.3 | | | | | | | 9259 | 14771 | 17196 | 13669 | 15873 | 18078 | 14991 | 16535 | 15653 | 85.3 |
| 91.9 | | | | | | | | 9921 | 14771 | 11464 | 13669 | 15653 | 12566 | 14330 | 13448 | 91.9 |
| 98.4 | | | | | | | | | 7275 | 9700 | 11684 | 13669 | 10803 | 12346 | 11464 | 98.4 |
| 105.0 | | | | | | | | | | 4630 | 10141 | 12125 | 9039 | 10803 | 9921 | 105.0 |
| 111.5 | | | | | | | | | | | 8598 | 10582 | 7716 | 9259 | 8377 | 111.5 |
| 118.1 | | | | | | | | | | | | 9259 | 6393 | 8157 | 7055 | 118.1 |
| 124.7 | | | | | | | | | | | | 4630 | 5291 | 7055 | 5952 | 124.7 |
| 131.2 | | | | | | | | | | | | | | 5952 | 5071 | 131.2 |
| 137.8 | | | | | | | | | | | | | | | 4189 | 137.8 |
| 144.4 | | | | | | | | | | | | | | | 3527 | 144.4 |

*Requires special equipment

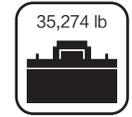
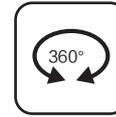


| | 42.3 | 57.4 | 65.3 | 72.8 | 80.4 | 87.9 | 95.5 | 103.3 | 110.9 | 118.4 | 126.0 | 133.5 |
|--|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| | 0° | 0° | 0° | 0° | 0° | 0° | 0° | 0° | 0° | 0° | 0° | 0° |
| | 34.1 | 49.5 | 57.1 | 64.6 | 72.3 | 79.8 | 87.4 | 95.2 | 102.8 | 110.3 | 118.1 | 124.7 |
| | 38581 | 26676 | 24692 | 14771 | 15212 | 13669 | 7716 | 9259 | 4850 | 3307 | 2646 | 4630 |

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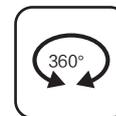
BOOM

ASME B30.5 85%



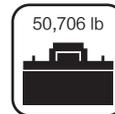
| | 42.3 | 57.4 | 65.3 | 72.8 | 80.4 | 87.9 | 95.5 | 103.3 | 110.9 | 118.4 | 126.0 | 133.5 | 141.1 | 148.9 | 164.0 | |
|-------|---------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8.2 | 257938* | | | | | | | | | | | | | | | 8.2 |
| 9.8 | 242506 | | | | | | | | | | | | | | | 9.8 |
| 13.1 | 187391 | | | | | | | | | | | | | | | 13.1 |
| 16.4 | 154322 | 154322 | 86420 | | | | | | | | | | | | | 16.4 |
| 19.7 | 128969 | 128969 | 88845 | 121253 | 82673 | 86420 | | | | | | | | | | 19.7 |
| 23.0 | 108025 | 108025 | 91050 | 104719 | 85098 | 88184 | 81570 | 66358 | 61729 | 68343 | | | | | | 23.0 |
| 26.2 | 93696 | 93034 | 92814 | 88845 | 86200 | 82673 | 81570 | 67240 | 57981 | 67240 | 49604 | 45415 | | | | 26.2 |
| 29.5 | 81570 | 78704 | 81791 | 75177 | 80468 | 77602 | 77161 | 61729 | 54454 | 60627 | 47619 | 43651 | 42990 | | | 29.5 |
| 32.8 | 55115 | 65918 | 72752 | 64815 | 70547 | 72972 | 68343 | 58422 | 51588 | 60847 | 44974 | 41226 | 41667 | 38360 | | 32.8 |
| 39.4 | | 44753 | 50926 | 43872 | 48942 | 53131 | 47619 | 49383 | 46738 | 50044 | 40785 | 37919 | 38140 | 37478 | 30644 | 39.4 |
| 45.9 | | 32408 | 37919 | 31526 | 36376 | 39903 | 35053 | 38360 | 41226 | 37037 | 36596 | 33510 | 34612 | 35053 | 29542 | 45.9 |
| 52.5 | | | 29542 | 23589 | 27778 | 31305 | 26676 | 29762 | 32408 | 28660 | 31085 | 29762 | 29983 | 31085 | 27337 | 52.5 |
| 59.1 | | | | 17637 | 21826 | 25353 | 20723 | 23810 | 26235 | 22707 | 24912 | 26896 | 23810 | 25794 | 24692 | 59.1 |
| 65.6 | | | | | 17416 | 20723 | 16314 | 19180 | 21605 | 18078 | 20282 | 22487 | 19400 | 21164 | 20062 | 65.6 |
| 72.2 | | | | | 11023 | 17196 | 13007 | 15873 | 18078 | 14550 | 16755 | 18960 | 15873 | 17637 | 16535 | 72.2 |
| 78.7 | | | | | | 10582 | 10141 | 13007 | 15212 | 11905 | 14109 | 16094 | 13007 | 14771 | 13889 | 78.7 |
| 85.3 | | | | | | | 5512 | 10803 | 13007 | 9700 | 11684 | 13669 | 10803 | 12346 | 11464 | 85.3 |
| 91.9 | | | | | | | | 6834 | 11023 | 7716 | 9921 | 11905 | 8818 | 10582 | 9480 | 91.9 |
| 98.4 | | | | | | | | | 6393 | 5952 | 8157 | 10141 | 7275 | 8818 | 7937 | 98.4 |
| 105.0 | | | | | | | | | | | 6834 | 8818 | 5952 | 7496 | 6614 | 105.0 |
| 111.5 | | | | | | | | | | | 5512 | 7496 | 4189 | 6393 | 5291 | 111.5 |
| 118.1 | | | | | | | | | | | | 6614 | 3086 | 5291 | 4189 | 118.1 |
| 124.7 | | | | | | | | | | | | | | 4189 | 3086 | 124.7 |
| 131.2 | | | | | | | | | | | | | | | 2205 | 131.2 |

*Requires special equipment



| | 42.3 | 57.4 | 65.3 | 72.8 | 80.4 | 87.9 | 95.5 | 103.3 | 110.9 |
|--|-------|-------|-------|------|-------|------|------|-------|-------|
| | 0° | 0° | 0° | 0° | 0° | 0° | 0° | 0° | 0° |
| | 34.1 | 49.5 | 57.1 | 64.6 | 72.3 | 79.8 | 87.4 | 95.2 | 102.8 |
| | 34171 | 21826 | 20503 | 9480 | 11023 | 9921 | 4850 | 6393 | 3527 |

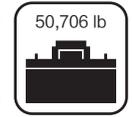
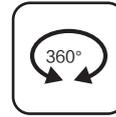
JIB
ASME B30.5 85%



| | 164.0+35.4 | | | |
|-------|------------|-------|------|-------|
| | 0° | 15° | 30° | |
| 52.5 | 13669 | | | 52.5 |
| 59.1 | 13448 | 11684 | | 59.1 |
| 65.6 | 13228 | 11244 | 7716 | 65.6 |
| 72.2 | 13228 | 11244 | 7275 | 72.2 |
| 78.7 | 11905 | 10803 | 7055 | 78.7 |
| 85.3 | 10141 | 10141 | 6834 | 85.3 |
| 91.9 | 8818 | 9259 | 6614 | 91.9 |
| 98.4 | 7496 | 7937 | 6393 | 98.4 |
| 105.0 | 6614 | 7055 | 5952 | 105.0 |
| 111.5 | 5512 | 5952 | 5732 | 111.5 |
| 118.1 | 4850 | 5071 | 5512 | 118.1 |
| 124.7 | 4189 | 4409 | 4850 | 124.7 |
| 131.2 | 3527 | 3748 | 3968 | 131.2 |
| 137.8 | 3086 | 3086 | 3307 | 137.8 |
| 144.4 | 2425 | 2866 | 2866 | 144.4 |
| 150.9 | 1984 | 2205 | 2425 | 150.9 |
| 157.5 | 1543 | 1764 | 1984 | 157.5 |

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ASME B30.5 85%



| | 164.0+60.0 | | | |
|-------|------------|------|------|-------|
| | 0° | 15° | 30° | |
| 59.1 | 6614 | | | 59.1 |
| 65.6 | 6834 | | | 65.6 |
| 72.2 | 6834 | 5291 | | 72.2 |
| 78.7 | 6834 | 4850 | | 78.7 |
| 85.3 | 6834 | 4630 | 3527 | 85.3 |
| 91.9 | 6393 | 4409 | 3307 | 91.9 |
| 98.4 | 6173 | 4189 | 3086 | 98.4 |
| 105.0 | 5952 | 3968 | 2866 | 105.0 |
| 111.5 | 5732 | 3748 | 2646 | 111.5 |
| 118.1 | 5291 | 3527 | 2646 | 118.1 |
| 124.7 | 4850 | 3307 | 2425 | 124.7 |
| 131.2 | 3968 | 3086 | 2425 | 131.2 |
| 137.8 | 3527 | 3086 | 2205 | 137.8 |
| 144.4 | 3086 | 2866 | 2425 | 144.4 |
| 150.9 | 2646 | 2646 | 2205 | 150.9 |
| 157.5 | 2205 | 2646 | 2205 | 157.5 |
| 164.0 | 1764 | 2205 | 2205 | 164.0 |
| 170.6 | 1323 | 1764 | 1984 | 170.6 |
| 177.2 | 1102 | 1543 | 1764 | 177.2 |
| 183.7 | | 1102 | 1323 | 183.7 |

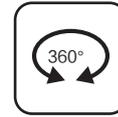
JIB
ASME B30.5 85%



| | 164.0+35.4 | | | |
|-------|------------|-------|------|-------|
| | 0° | 15° | 30° | |
| 52.5 | 13669 | | | 52.5 |
| 59.1 | 13448 | 11684 | | 59.1 |
| 65.6 | 13007 | 11244 | 7716 | 65.6 |
| 72.2 | 11023 | 11244 | 7275 | 72.2 |
| 78.7 | 9039 | 9921 | 7055 | 78.7 |
| 85.3 | 7716 | 8378 | 6834 | 85.3 |
| 91.9 | 6393 | 7055 | 6614 | 91.9 |
| 98.4 | 5291 | 5952 | 6393 | 98.4 |
| 105.0 | 4630 | 5071 | 5291 | 105.0 |
| 111.5 | 3748 | 4189 | 4630 | 111.5 |
| 118.1 | 3086 | 3307 | 3748 | 118.1 |
| 124.7 | 2646 | 2866 | 3086 | 124.7 |
| 131.2 | 1984 | 2205 | 2646 | 131.2 |
| 137.8 | 1543 | 1764 | 1984 | 137.8 |
| 144.4 | | | 1543 | 144.4 |

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JIB
ASME B30.5 85%

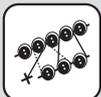


| | 164.0+60.0 | | | |
|-------|------------|------|------|-------|
| | 0° | 15° | 30° | |
| 59.1 | 6614 | | | 59.1 |
| 65.6 | 6834 | | | 65.6 |
| 72.2 | 6834 | 5291 | | 72.2 |
| 78.7 | 6834 | 4850 | | 78.7 |
| 85.3 | 6834 | 4630 | 3527 | 85.3 |
| 91.9 | 6393 | 4409 | 3307 | 91.9 |
| 98.4 | 5952 | 4189 | 3086 | 98.4 |
| 105.0 | 5071 | 3968 | 2866 | 105.0 |
| 111.5 | 4409 | 3748 | 2646 | 111.5 |
| 118.1 | 3527 | 3527 | 2646 | 118.1 |
| 124.7 | 3086 | 3307 | 2425 | 124.7 |
| 131.2 | 2646 | 3086 | 2425 | 131.2 |
| 137.8 | 1984 | 2646 | 2205 | 137.8 |
| 144.4 | 1543 | 2205 | 2425 | 144.4 |
| 150.9 | | 1543 | 1984 | 150.9 |
| 157.5 | | | 1543 | 157.5 |

| TYPE | ITEM | Unit | PARAMETERS | | | |
|----------------------|--------------------------------------|-------------------|---|---|----------------------|------------------|
| Dimensions | Dimensions (L×W×H) | mm (ft) | 15580×3490×3980 (51.1×11.4×13.1) CWT:16 t (35,274 lb) | 15580×4700×3980 (51.1×15.4×13.1) CWT:23 t (50,706 lb) | | |
| | Axle spacing | mm (ft) | 4600(15.1) | | | |
| | Track (front / rear) | mm (ft) | 2590(8.5) / 2590(8.5) | | | |
| | Front overhang / rear overhang | mm (ft) | 2568(8.4)/2474(8.1) | | | |
| | Front extension / rear extension | mm (ft) | 5922(19.4)/16(0.05) | | | |
| Weights | — | | CWT:0 t (0 lb) | CWT:16 t (35,274 lb) | CWT:23 t (50,706 lb) | |
| | Axle load | Axle 1 | kg (lb) | 41,884 (92,338) | 35,168 (77,532) | 32,759 (72,220) |
| | | Axle 2 | kg (lb) | 12,165 (26,819) | 34,881 (76,899) | 44,290 (97,643) |
| | | Total | kg (lb) | 54,049 (119,157) | 70,049 (154,431) | 77,049 (169,863) |
| Power | Engine model | — | Cummins L9, Teir 4f | | | |
| | Rated power | kW (bhp) / rpm | 231(310) / 2100 | | | |
| | Maximum output torque | N.m (ft-lb) / rpm | 1526(1126) / 1400 | | | |
| Travel | Maximum travel speed | km/h (mph) | ≥30(18.6) | | | |
| | Minimum stable travel speed | km/h (mph) | 1.8(1.2) | | | |
| | Minimum turning diameter | m (ft) | ≤ 16.8(55.1) | | | |
| | Minimum turning diameter at boom tip | m (ft) | ≤25.52(83.7) | | | |
| | Minimum ground clearance | mm (ft) | 465(1.53) | | | |
| | Approach angle | ° | 21 | | | |
| | Departure angle | ° | 22 | | | |
| | Braking distance from 24kph (15mph) | m (ft) | ≤9(29.5) | | | |
| Maximum gradeability | % | ≥80 | | | | |

MAIN TECHNICAL PARAMETERS

| CATEGORY | ITEM | | UNIT | PARAMETERS | |
|---------------------------|---|---------------------------|--------------|--|-----|
| Main performance | Maximum rated load lifting capacity | | t (USt) | 117(129) | |
| | Minimum rated working radius | | m (ft) | 2.5(8.2) | |
| | Turning radius at turntable tail | At the counterweight | mm (ft) | 4890(16.0) | |
| | Maximum load moment | Base boom section | kN.m (ft-lb) | 3567 (2,632,700) | |
| | | Fully-extended boom | kN.m (ft-lb) | 2117 (1,562,480) | |
| | | Fully-extended boom + jib | kN.m (ft-lb) | 1294 (955,050) | |
| | Outrigger span | Longitudinal | m (ft) | 8.45(27.7) | |
| | | Lateral | m (ft) | 8.4/6.8/5.2/3.2 (27.6/22.3/17.1/10.6) | |
| | Lifting height | Base boom | m (ft) | 13.3(43.6) | |
| | | Fully-extended boom | m (ft) | 49.8(163.3) | |
| | | Fully-extended boom + jib | m (ft) | 64.8(212.5) | |
| | Boom length | Base boom | m (ft) | 12.9(42.3) | |
| | | Fully-extended boom | m (ft) | 50(164.0) | |
| Fully-extended boom + jib | | m (ft) | 68.3(224.0) | | |
| Jib offset angle | | ° | 0, 15, 30 | | |
| Working speeds | Time for raising boom | | s | ≤55 | |
| | Time for fully extending the boom | | s | ≤125 | |
| | Maximum slewing speed | | rpm | ≥1.8 | |
| | Time for extending/ retracting outriggers | Outrigger beams | Retracting | s | ≤40 |
| | | | Extending | s | ≤40 |
| | | Outrigger jacks | Retracting | s | ≤55 |
| | | | Extending | s | ≤45 |
| | Lifting speed (single line, no load) | Main winch system | m/min (fpm) | ≥135(442.8) | |
| Auxiliary winch | | m/min (fpm) | ≥90(295.2) | | |

| | |
|---|---|
|  | Superstructure |
|  | Rated lifting load |
|  | Counterweight |
|  | Slewing radius of variable-position counterweight |
|  | Hook block |
|  | Parts of line |
|  | Boom length combination |
|  | Wind speed |
|  | Configuration |
|  | Optional equipment |
|  | Wire rope length |
|  | Wire rope diameter |

| | |
|---|--------------------------|
|  | Boom |
|  | Boom length |
|  | Working radius |
|  | Lifting height with boom |
|  | Boom angle |
|  | Extension |
|  | Independent jib head |
|  | Simple jib head |
|  | Fixed jib |
|  | Fixed jib length |
|  | Fixed jib offset angle |
|  | Luffing jib |

DESCRIPTION OF SYMBOLS

| | | | |
|---|--------------------------|---|-------------------------------------|
|  | Maximum single line pull |  | Maximum lifting height |
|  | Maximum working speed |  | Maximum working radius |
|  | Main winch |  | Super lift |
|  | Auxiliary winch |  | Wind power jib |
|  | Chassis |  | Telescoping |
|  | Outrigger span |  | Slewing |
|  | Tires |  | 360° slewing |
|  | Axle load |  | 360° slewing with the 5th jack down |
|  | Grade ability |  | Side and rear operation |
|  | Travel speed |  | Operation over front |
|  | Luffing |  | Crane on tires |
|  | EN 13000 standard | | |

INTELLIGENT ENGINEERING AND MANUFACTURING LEADS TO QUALITY

- Starting with digital models, XCMG is leading the way with intelligent and quality manufacturing technologies. Integrating process simulation and the latest simulation technologies we have creating a high-end manufacturing platform that combines manufacturing and processes to supply the best cranes.



INTELLIGENT AND CONSISTANT ASSEMBLING



AUTOMATED PAINTING TO INSURE CONSISTANT QUALITY



DIGITIZED WELDING AND MACHINING



DIGITAL AUTOMATED PROCESS FLOWS



UNMANNED AUTOMATIC WELDING

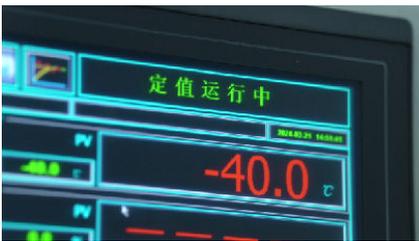
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G-SAFE LIFE CYCLE SAFE QUALITY

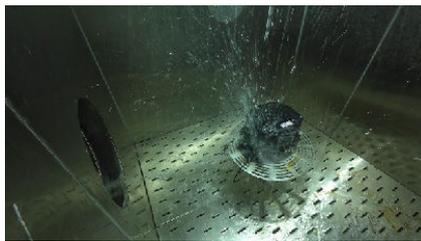
PARTS AND COMPLETE MACHINE TESTING

- Each new technology and component is required to meet the most stringent design and quality protocols.
- Each complete machine undergoes rigorous run in and testing, components are subject to ongoing testing.

OVER 2,000 COMPONENTS FROM 123 MANUFACTURES UNDERGOING LIFE CYCLE TESTING



HMI display
Low-temperature performance test under -40 °C



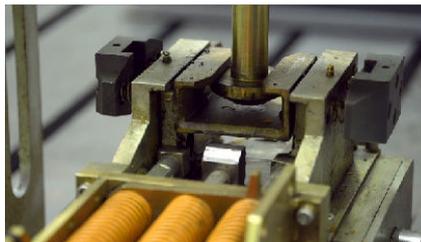
Length measurement sensor
48-hour rain test



Panel buttons cycled
1.2 million times



Hydraulic pump undergoing Low-temperature
performance test under -40 °C



Telescoping mechanism
Smoothness test



Telescoping mechanism
Smoothness test

178 POST PRODUCTION FULL-SCALE TESTS ON THE COMPLETE MACHINE



Passability



Climbing & Hill holding



Dynamic & Static lifting

NOTES FOR LIFTING

- ❖ The total rated loads given in the rated load charts are the maximum lifting capacity when the crane is set up on firm and level ground with the tires free of the ground. The weights of the hookblock, rigging and the rope between the boom tip and block must be deducted as well as optional items such as the auxiliary sheave and jib.
- ❖ The working radius shown in the rated load charts is the radius when the load is lifted off the ground, and it is the actual value including loaded boom deflection. The operator will need to take boom deflection into consideration before beginning a lifting operation.
- ❖ A lifting operation is permissible only when the wind force is below grade 5 (instantaneous wind speed is 14m/s (46.2ft/s), and wind pressure is below 124Pa (2.59lb/ft²).
- ❖ Before beginning lifting operation, the operator should know the weight of the load to be lifted and the crane's working range, and then select proper working conditions. Never operate the crane beyond the limit shown in the chart. Use the lower value from the chart when the boom length or working radius is between the range of values.
- ❖ Observe the boom angle limit. Never operate the crane with the boom angle beyond the recommended limit even if a load is not being carried. Otherwise, the crane may overturn.
- ❖ The boom should be extended according to the telescoping codes shown on the load charts.



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