

XCR70 Rough Terrain Crane

Technical specifications



XCR70

XCMG ROUGH TERRAIN CRANE

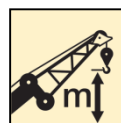
70t LIFTING CAPACITY



70t



45m



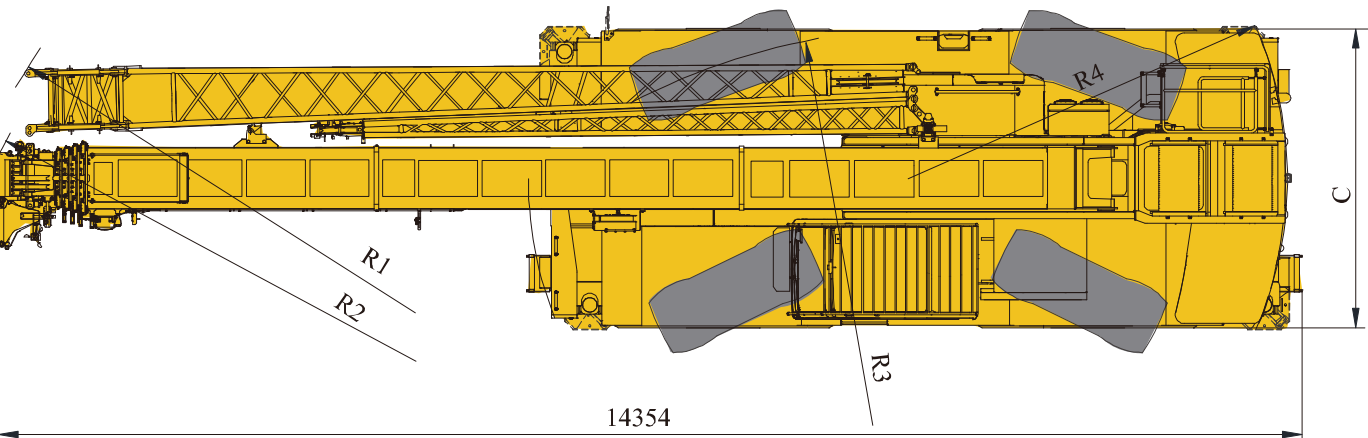
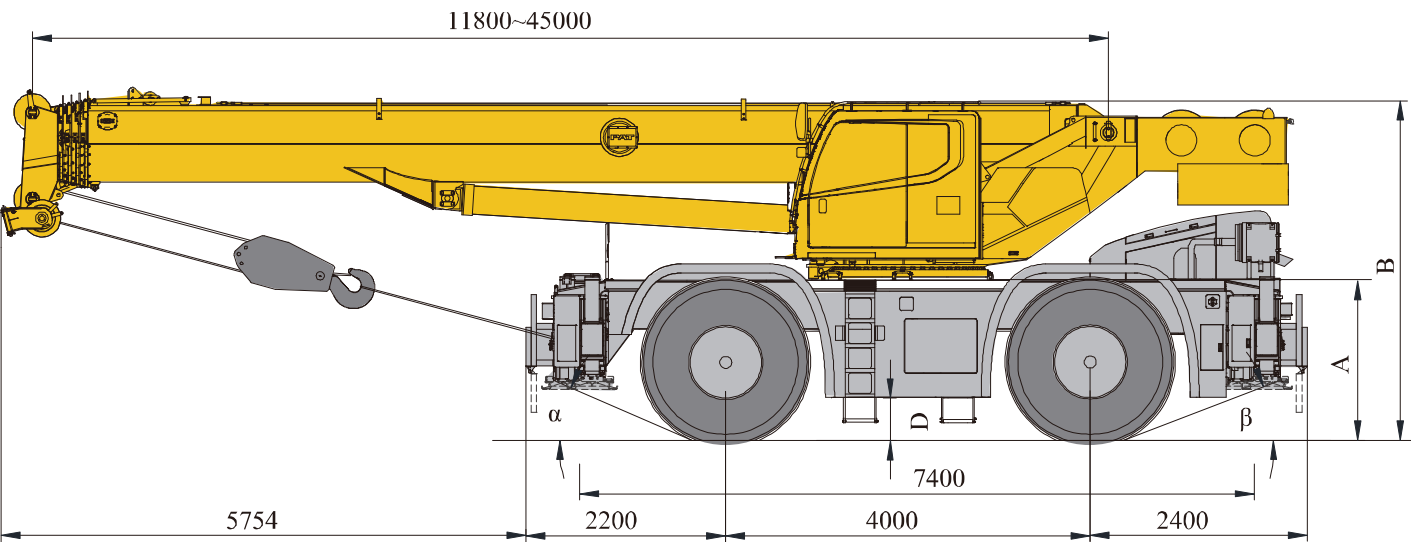
57.9m

5th edition, Nov, 2023

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Dimensions



| | α | β | A | B | C | D | R1 | R2 | R3 | R4 |
|---------|----------|---------|------|------|------|-----|-------|-------|------|------|
| 29.5R25 | 23° | 21° | 1766 | 3750 | 3290 | 475 | 11445 | 11247 | 6500 | 4200 |

Technical specifications



| | | |
|--|---|---|
| Boom | 1 basic boom and 4-telescoping sections, U-shape cross section welding structure. Double cylinder plus ropes telescoping mechanism. 6 pulleys on boom head are standard. Boom length: 11.8 m ~ 45 m. | ● |
| Jib | Two-section lattice structure. Three offset angles of 0°, 15° and 30° are available. It is stowed along the side of the boom. Jib length: 9.2 m ~ 16 m. | ● |
| Frame | Made of high strength fine grained steel, welded torsion-resistant frame type construction with large cross-section, high load-bearing capacity. | ● |
| Outrigger | 4 outriggers, H-shaped arrangement, which are controlled by electrical and hydraulic and located at both sides of chassis frame. | ● |
| Engine | SC9DK260.1G3, in line, six-cylinder water-cooled compression ignition diesel engine, manufactured by Shangchai, with rated power of 192/2000(kW/(r/min)), max. torque of 1110/(1200-1600)(N.m/(r/min)), off-road EU Stage IIIA emission standard compliant Fuel tank capacity: approx. 305 L | ○ |
| Engine | QSB6.7-C260-30, in line, six-cylinder water-cooled compression ignition diesel engine, manufactured by Dongkang, with rated power of 194/2200(kW/(r/min)), max. torque of 990/1500(N.m/(r/min)), off-road EU Stage IIIA emission standard compliant Fuel tank capacity: approx. 305 L | ○ |
| Transmission | 6WG210, automatic transmission from ZF Germany, with 6 forward and 3 reverse gears | ● |
| Axles | Both front and rear axles are for driving and steering, and the axles have features of great load bearing capacity | ● |
| Suspensions | Front axle is rigidly connected with frame; rear axle is equipped with swing hydraulic suspensions, which have cushioning function when driving on roads; the rear suspension cylinder may be locked to rigid state so as to meet the requirement for travel with a load suspended, increasing operation stability. | ● |
| Tires | 4 specialized off-road, large bearing capacity. Tire specifications: 29.5R25. | ● |
| Steering | Front axle independent steering, tight turning radius steering, crab walk steering and rear axle independent steering modes are available. The steering angle can be self-adjusted when changing mode. | ● |
| Brakes | Service brake: double-circuit hydraulic disc brake, acting on all wheels. Automatically braking and alarm are available when the pressure in braking system is too low. Parking brake: spring-loaded brake, acting on front axles, hydraulic-released independent disc brake. | ● |
| Hydraulic system | A dual-variable displacement pump, used for hoisting, elevating and telescoping operations, and a gear pump, used for slewing, outrigger, steering and braking operations; a load sensitive proportional multi-way change valve is used as main valve; an independent hydraulic oil radiator. Tank capacity: approx. 1120 L. | ● |
| Operating mode | Hydraulic controlled pilot operation system is equipped with two levers controlling the main movements of the crane. | ● |
| Electrical System | 24 V DC, two sets of 12 V battery in series. | ● |
| Main and auxiliary winch system | The system is driven by a hydraulic motor through a planetary gear reducer, with a normally closed brake and a balance valve equipped. | ● |
| Slewing system | Single-row four-point ball contact slewing ring, driven by a hydraulic motor through planetary gear reducer, and with a normally closed brake fitted. | ● |
| Operator's cab | Tilttable cab, with sliding door and adjustable seat equipped. It is equipped with safe glass and roof protective grille. Sun shade is available for windshield and roof window. Heater and air conditioner, radio, 12 V and 24 V DC outlets are standard. | ● |
| Safety devices | Hydraulic balance valve, hydraulic relief valve, hydraulic double-way valve and LMI. Lowering limiter is equipped in winch to prevent rope over-releasing. Anti-two block is fitted on the boom head to prevent rope over-winding. | ● |
| | 6.3 t | ● |
| Counterweight | 9 t. Two counterweight configurations of 0 t and 9 t are available. (If the optional 9 t slab is selected, the 6.3 t standard slab will not be supplied.) | ○ |
| Hook Block | 55 t hook block, 5 t hook block | ● |

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

Symbol explanation:

- —it means the standard configuration;
- —it means the optional configuration.

Weight



| Axle | 1 | 2 | Gross vehicle weight |
|------|--------|--------|--------------------------------------|
| t | 24.252 | 22.503 | 46.755 (Optional 9t counterweight) |
| | 25.298 | 18.757 | 44.055 (Optional 6.3t counterweight) |








| Hook | No. of lines | Weight (kg) | Remarks |
|------|--------------|-------------|-------------|
| 55t | 10 | 502 | Single hook |
| 5t | 1 | 158 | Single hook |

Working speeds

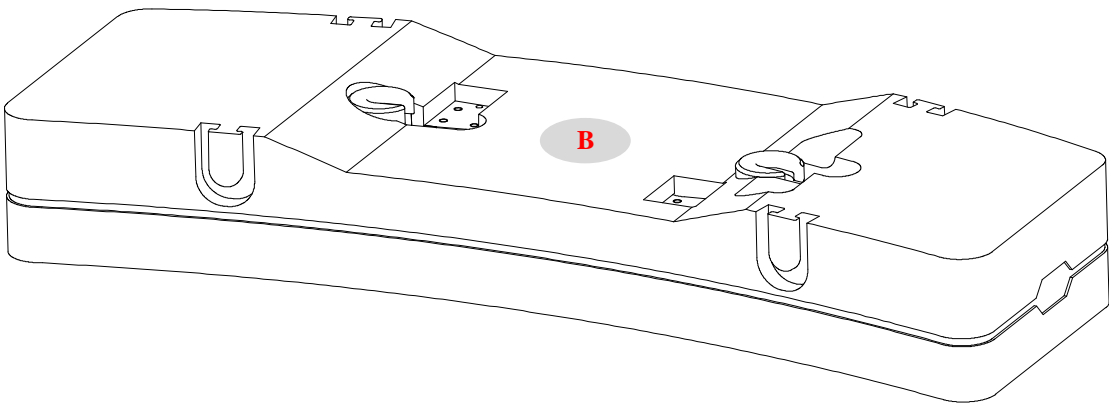
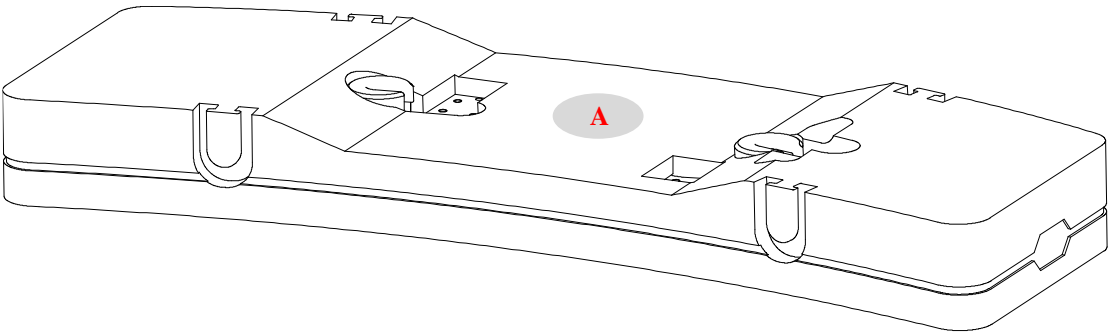


|  |  |  |
|---|---|---|
| 29.5 R 25 | 40 | 70% |



| Drive | Working speed | | Max. single line pull | Rope diameter/ length |
|--|--|---------------------------|-----------------------|-----------------------|
|  | 0-150 | m/min, no load, 4th layer | 61kN | 20mm/215m |
|  | 0-100 | m/min, no load, 4th layer | 61kN | 20mm/140m |
|  | 0-2r/min | | | |
|  | Approx. 50s for boom elevation from -1.5° to 80° | | | |
|  | Approx. 90s for boom extension from 11.8m to 45m | | | |

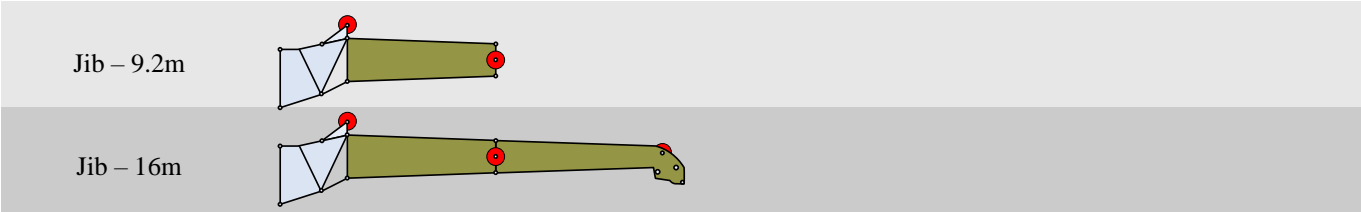
Counterweight

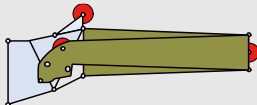


| Counterweight | A | B (optional) |
|-----------------|---------------|---------------|
| Size (L×W×H) mm | 3200×1250×330 | 3200×1250×450 |
| Weight t | 6.3 | 9 |

| Working mode | 0t | 6.3t | 9t (optional) |
|--------------|----|------|----------------|
| Combinations | — | A | B |

Boom / Jib combinations

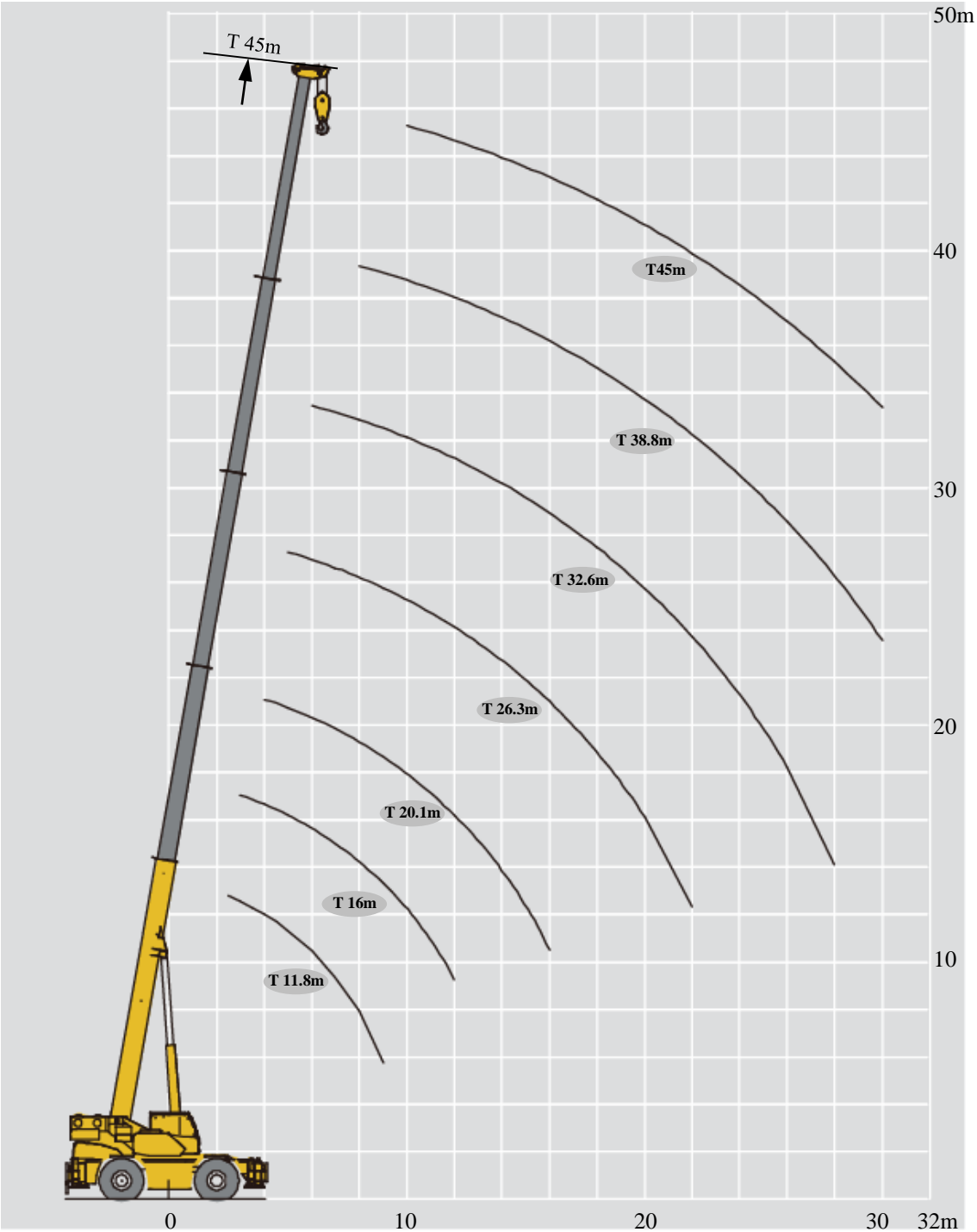


| Component | Structure | Size (L×W×H) mm | (Weight kg) |
|--|---|--------------------------|-------------|
| First and second jib section assembly + Connecting bracket |  | (Folded) : 9784×950×1263 | 932 |

Boom / Jib combinations









| Telescopic boom | Telescopic boom + First jib section | Telescopic boom + First and second jib sections |
|-----------------|-------------------------------------|---|
| 11.8~45m | 45m+9.2m | 45m+16 m |



Lifting capacities

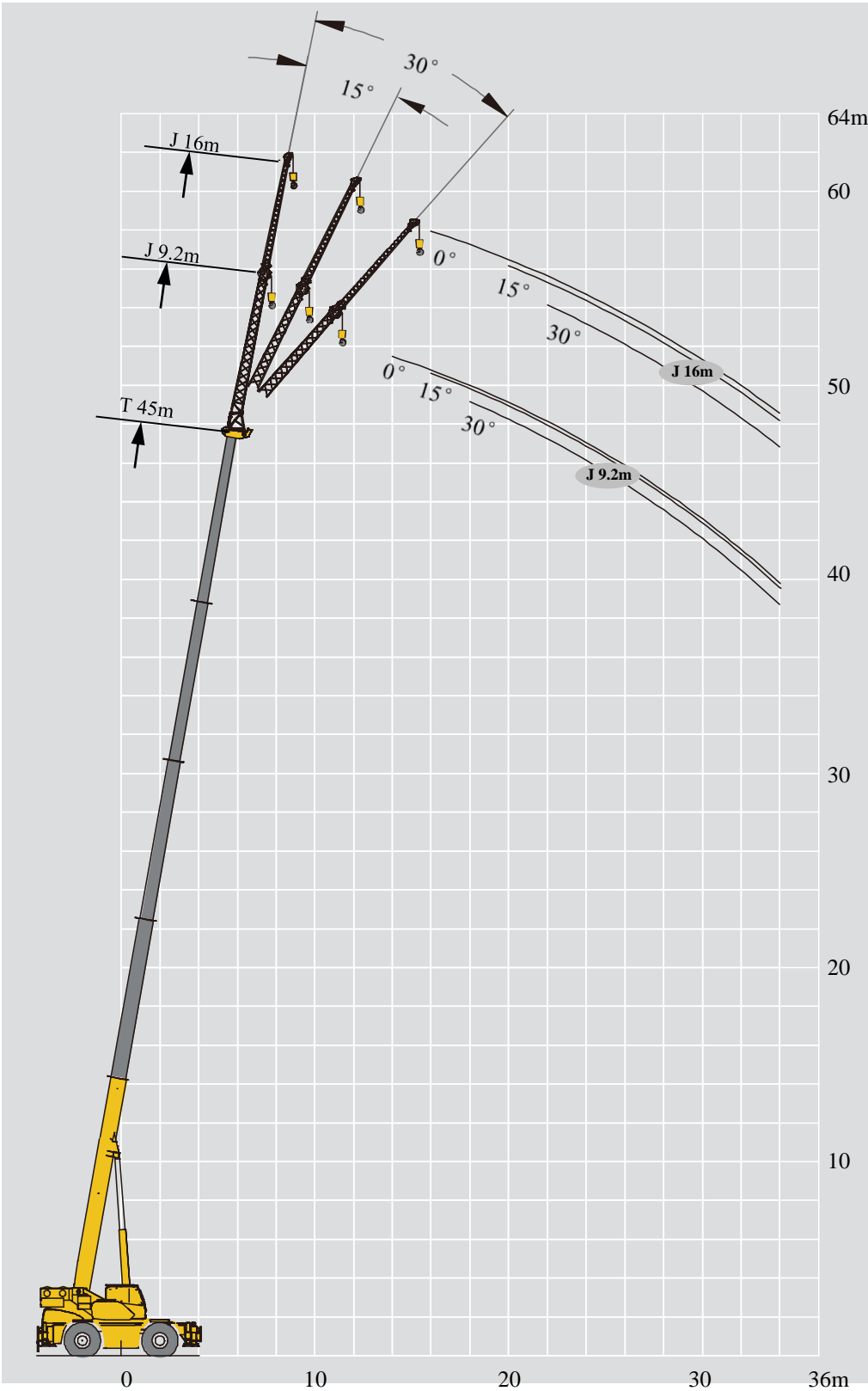
T 11.8~45m







| <div>     </div> | | | | | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|---|
|  m | 11.8m | 16.0m | 20.1m | 26.3m | 32.6m | 38.8m | 45m | 18.0m | 24.3m | 30.5m | 36.7m | 22.2m | 28.4m | 34.6m | 40.9m |  m |
| 2.5 | 70* | | | | | | | | | | | | | | | 2.5 |
| 3 | 60 | 42.5 | | | | | | 27.5 | | | | | | | | 3 |
| 3.5 | 55 | 43.5 | | | | | | 28.0 | | | | | | | | 3.5 |
| 4 | 48 | 45 | 37 | | | | | 28.5 | 20.0 | | | 27.0 | | | | 4 |
| 4.5 | 44 | 43 | 37 | | | | | 28.5 | 20.0 | | | 27.0 | | | | 4.5 |
| 5 | 38 | 38 | 31 | 27 | | | | 28.5 | 20.0 | | | 27.0 | 21.0 | | | 5 |
| 6 | 31 | 31 | 30 | 25.4 | 19 | | | 28.5 | 20.0 | 12.5 | | 27.0 | 21.0 | | | 6 |
| 7 | 25 | 25 | 25 | 23.9 | 17.8 | | | 25.0 | 20.0 | 13.4 | | 25.0 | 21.0 | 12.5 | | 7 |
| 8 | 21 | 21 | 21 | 21.8 | 17.4 | 12 | | 21.0 | 20.0 | 13.4 | | 21 | 21.0 | 13.3 | | 8 |
| 9 | 18.3 | 18.1 | 17.7 | 19 | 17 | 11.5 | | 18.6 | 19.8 | 13.4 | | 18.5 | 20.2 | 13.3 | | 9 |
| 10 | | 14.5 | 14.2 | 15.4 | 16.5 | 11.2 | 9.3 | 16.3 | 17 | 12.4 | 5.0 | 15.7 | 16.5 | 13.3 | | 10 |
| 12 | | 9.9 | 9.6 | 10.7 | 11.3 | 10.2 | 8.8 | 11.5 | 12.2 | 10.8 | 5.0 | 11 | 11.7 | 11.9 | | 12 |
| 14 | | | 6.8 | 7.8 | 8.4 | 8.8 | 8.5 | 8.6 | 9.2 | 9.6 | 8.5 | 8.1 | 8.7 | 9.1 | 6.5 | 14 |
| 16 | | | 4.7 | 5.9 | 6.4 | 6.8 | 7.1 | | 7.2 | 7.6 | 7.5 | 6.1 | 6.7 | 7.1 | 7.4 | 16 |
| 18 | | | | 4.4 | 5 | 5.4 | 5.7 | | 5.7 | 6.1 | 6.3 | 4.7 | 5.3 | 5.7 | 5.9 | 18 |
| 20 | | | | 3.3 | 3.9 | 4.3 | 4.6 | | 4.6 | 5 | 5.2 | | 4.2 | 4.6 | 4.8 | 20 |
| 22 | | | | 2.5 | 3.1 | 3.4 | 3.7 | | | 4.1 | 4.3 | | 3.3 | 3.7 | 4 | 22 |
| 24 | | | | | 2.2 | 2.6 | 3 | | | 3.4 | 3.6 | | 2.5 | 3 | 3.3 | 24 |
| 26 | | | | | 1.6 | 2 | 2.3 | | | 2.9 | 3 | | | 2.3 | 2.6 | 26 |
| 28 | | | | | 1.1 | 1.5 | 1.8 | | | | 2.5 | | | 1.8 | 2.1 | 28 |
| 30 | | | | | | 1.1 | 1.4 | | | | 1.9 | | | 1.3 | 1.6 | 30 |
| 2nd | 0 | 50% | 100% | 100% | 100% | 100% | 100% | 0% | 0% | 0% | 0% | 50% | 50% | 50% | 50% | 2nd |
| 3rd | 0 | 0 | 0 | 25% | 50% | 75% | 100% | 25% | 50% | 75% | 100% | 25% | 50% | 75% | 100% | 3rd |
| 4th | 0 | 0 | 0 | 25% | 50% | 75% | 100% | 25% | 50% | 75% | 100% | 25% | 50% | 75% | 100% | 4th |
| 5th | 0 | 0 | 0 | 25% | 50% | 75% | 100% | 25% | 50% | 75% | 100% | 25% | 50% | 75% | 100% | 5th |





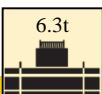

The lifting load with a * followed is available only when the boom sheave block is used together with the single top, with 13 parts of line.


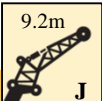
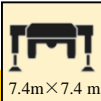
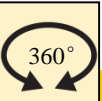
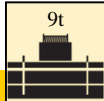

| <div><div><div><div><div><div></div><div>11.8-45m</div><div>T</div></div><div><div><div></div><div>7.4m×7.4m</div></div><div><div><div></div><div>360°</div></div><div><div><div></div><div>9t</div></div></div></div></div></div></div></div></div> | | | | | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|---|
| <div><div><div></div><div>m</div></div></div> | 11.8m | 16.0m | 20.1m | 26.3m | 32.6m | 38.8m | 45m | 18.0m | 24.3m | 30.5m | 36.7m | 22.2m | 28.4m | 34.6m | 40.9m | <div><div><div></div><div>m</div></div></div> |
| 2.5 | 70* | | | | | | | | | | | | | | | 2.5 |
| 3 | 60 | 42.5 | | | | | | 27.5 | | | | | | | | 3 |
| 3.5 | 55 | 43.5 | | | | | | 28.0 | | | | | | | | 3.5 |
| 4 | 50 | 45 | 37 | | | | | 28.5 | 20.0 | | | 27.0 | | | | 4 |
| 4.5 | 46 | 43 | 37 | | | | | 28.5 | 20.0 | | | 27.0 | | | | 4.5 |
| 5 | 40 | 40 | 33.5 | 27 | | | | 28.5 | 20.0 | | | 27.0 | 21.0 | | | 5 |
| 6 | 33.5 | 33.3 | 31.5 | 25.4 | 19 | | | 28.5 | 20.0 | 12.5 | | 27.0 | 21.0 | | | 6 |
| 7 | 27.5 | 27.5 | 27.4 | 23.9 | 17.8 | | | 27.5 | 20.0 | 13.4 | | 27.0 | 21.0 | 12.5 | | 7 |
| 8 | 23.5 | 23.5 | 23 | 21.8 | 17.4 | 12 | | 23.5 | 20.0 | 13.4 | | 24.0 | 21.0 | 13.3 | | 8 |
| 9 | 20 | 20 | 20 | 19 | 17 | 11.5 | | 20.0 | 19.8 | 13.4 | | 20.0 | 20.7 | 13.3 | | 9 |
| 10 | | 16.5 | 16.2 | 17 | 16.5 | 11.2 | 9.3 | 18.3 | 18.5 | 12.4 | 5.0 | 17.7 | 16.9 | 13.3 | | 10 |
| 12 | | 11.4 | 11.1 | 12.2 | 13.2 | 10.2 | 8.8 | 13 | 13.7 | 10.8 | 5.0 | 12.5 | 12 | 11.9 | | 12 |
| 14 | | | 8 | 9.1 | 9.7 | 9.7 | 8.5 | 9.8 | 10.4 | 9.6 | 8.5 | 9.3 | 9 | 10.4 | 6.5 | 14 |
| 16 | | | 5.9 | 6.9 | 7.5 | 7.9 | 7.8 | | 8.2 | 8.6 | 7.5 | 7.2 | 7 | 8.2 | 8.0 | 16 |
| 18 | | | | 5.3 | 5.9 | 6.3 | 6.6 | | 6.6 | 7 | 6.7 | 5.6 | 5.5 | 6.6 | 6.8 | 18 |
| 20 | | | | 4.2 | 4.7 | 5.1 | 5.4 | | 5.4 | 5.8 | 6.0 | | 4.3 | 5.4 | 5.6 | 20 |
| 22 | | | | 3.2 | 3.8 | 4.1 | 4.4 | | | 4.8 | 5 | | 3.5 | 4.4 | 4.7 | 22 |
| 24 | | | | | 3 | 3.4 | 3.6 | | | 4.1 | 4.2 | | 2.8 | 3.7 | 3.9 | 24 |
| 26 | | | | | 2.2 | 2.8 | 3 | | | 3.4 | 3.6 | | | 3 | 3.3 | 26 |
| 28 | | | | | 1.7 | 2.2 | 2.5 | | | | 3.1 | | | 2.5 | 2.7 | 28 |
| 30 | | | | | | 1.7 | 2 | | | | 2.6 | | | 2.1 | 2.2 | 30 |
| 32 | | | | | | 1.3 | 1.5 | | | | | | | | 1.9 | 32 |
| 2nd | 0 | 50% | 100% | 100% | 100% | 100% | 100% | 0% | 0% | 0% | 0% | 50% | 50% | 50% | 50% | 2nd |
| 3rd | 0 | 0 | 0 | 25% | 50% | 75% | 100% | 25% | 50% | 75% | 100% | 25% | 50% | 75% | 100% | 3rd |
| 4th | 0 | 0 | 0 | 25% | 50% | 75% | 100% | 25% | 50% | 75% | 100% | 25% | 50% | 75% | 100% | 4th |
| 5th | 0 | 0 | 0 | 25% | 50% | 75% | 100% | 25% | 50% | 75% | 100% | 25% | 50% | 75% | 100% | 5th |


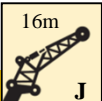
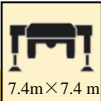



*The lifting load with a * followed is available only when the boom sheave block is used together with the single top, with 13 parts of line.



| <div><div>45 m</div><div>9.2m</div><div>7.4m×7.4 m</div><div>360°</div><div>6.3t</div></div> | | | | | <div><div>m</div></div> | | | | |
|--|-----|--|--|-----|--|-----|--|--|--|
| 45 m+9.2m | | | | | | | | | |
| 0° | | | | | 30° | | | | |
| 15° | | | | | | | | | |
| 14 | 4.8 | | | | 14 | | | | |
| 16 | 4.7 | | | 3.1 | 16 | | | | |
| 18 | 4.5 | | | 3 | 18 | 2.4 | | | |
| 20 | 3.9 | | | 3 | 20 | 2.3 | | | |
| 22 | 3.6 | | | 2.7 | 22 | 2.2 | | | |
| 24 | 2.8 | | | 2.6 | 24 | 2.1 | | | |
| 26 | 2.2 | | | 2.5 | 26 | 2 | | | |
| 28 | 1.7 | | | 1.9 | 28 | 1.9 | | | |
| 30 | 1.3 | | | 1.5 | 30 | 1.7 | | | |



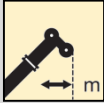











| <div><div>45 m</div><div>16m</div><div>7.4m×7.4 m</div><div>360°</div><div>6.3t</div></div> | | | | | <div><div>m</div></div> | | | | |
|--|-----|--|--|-----|--|-----|--|--|--|
| 45 m+16m | | | | | | | | | |
| 0° | | | | | 30° | | | | |
| 15° | | | | | | | | | |
| 16 | 2.9 | | | | 16 | | | | |
| 18 | 2.8 | | | | 18 | | | | |
| 20 | 2.6 | | | 1.9 | 20 | | | | |
| 22 | 2.5 | | | 1.8 | 22 | 1.3 | | | |
| 24 | 2.3 | | | 1.6 | 24 | 1.3 | | | |
| 26 | 2.1 | | | 1.5 | 26 | 1.2 | | | |
| 28 | 1.9 | | | 1.4 | 28 | 1.2 | | | |
| 30 | 1.7 | | | 1.3 | 30 | 1.2 | | | |

| <div><div><div>45 m</div><div>T</div></div><div><div>9.2m</div><div>J</div></div><div><div>7.4m×7.4 m</div></div><div><div>360°</div></div><div><div>9t</div></div></div> | | | | | <div><div><div>m</div></div></div> | | | | |
|--|-----|-----|-----|--|---|--|--|--|--|
| | | | | | 45 m+9.2m | | | | |
| | | | | | 0°15°30° | | | | |
| 14 | 4.8 | | | | 14 | | | | |
| 16 | 4.7 | 3.1 | | | 16 | | | | |
| 18 | 4.5 | 3 | 2.4 | | 18 | | | | |
| 20 | 3.9 | 3 | 2.3 | | 20 | | | | |
| 22 | 3.8 | 2.7 | 2.2 | | 22 | | | | |
| 24 | 3.5 | 2.6 | 2.1 | | 24 | | | | |
| 26 | 2.8 | 2.5 | 2 | | 26 | | | | |
| 28 | 2.2 | 2.3 | 1.9 | | 28 | | | | |
| 30 | 1.8 | 2 | 1.8 | | 30 | | | | |
| 32 | 1.4 | 1.6 | 1.7 | | 32 | | | | |
| 34 | 1 | 1.2 | 1.3 | | 34 | | | | |

| <div><div><div>45 m</div><div>T</div></div><div><div>16m</div><div>J</div></div><div><div>7.4m×7.4 m</div></div><div><div>360°</div></div><div><div>9t</div></div></div> | | | | | <div><div><div>m</div></div></div> | | | | |
|--|-----|-----|-----|--|---|--|--|--|--|
| | | | | | 45 m+16m | | | | |
| | | | | | 0°15°30° | | | | |
| 16 | 2.9 | | | | 16 | | | | |
| 18 | 2.8 | | | | 18 | | | | |
| 20 | 2.6 | 1.9 | | | 20 | | | | |
| 22 | 2.5 | 1.8 | 1.3 | | 22 | | | | |
| 24 | 2.3 | 1.6 | 1.3 | | 24 | | | | |
| 26 | 2.1 | 1.5 | 1.2 | | 26 | | | | |
| 28 | 1.9 | 1.4 | 1.2 | | 28 | | | | |
| 30 | 1.8 | 1.3 | 1.2 | | 30 | | | | |
| 32 | 1.7 | 1.2 | 1.1 | | 32 | | | | |
| 34 | 1.4 | 1.2 | 1.1 | | 34 | | | | |

Description of symbols

Symbol glossary

| | | | |
|--|---------------|---|----------------|
|  | Outriggers |  | Axle |
|  | Radius |  | Driving speed |
|  | Boom angle |  | Grade ability |
|  | Boom length |  | Tires |
|  | Hook block |  | Counterweight |
|  | 360° rotation |  | Superstructure |
|  | Winch |  | Chassis |

Crane specific symbols

| | | | |
|--|------|---|-----|
|  | Boom |  | Jib |
|--|------|---|-----|

Table of main technical parameters

| Category | Item | | Unit | Parameter | | Allowance |
|------------|---------------------------------------|----------|-------------|-------------------------------|-----------------------------|-----------|
| Dimensions | Outline size (length×width×height) | | mm | 14354×3290×3750 | | ±1% |
| | Wheel base | | mm | 4000 | | ±1% |
| | Track (Front/ Rear) | | mm | 2520/2520 | | ±1% |
| | Front/ Rear overhang | | mm | 2200/2400 | | ±1% |
| | Front/ Rear extension | | mm | 5754/0 | | ±1% |
| Weight | Gross vehicle weight | | kg | 44055 (6.3t counterweight) | 46755 (9t counterweight) | ±3% |
| | Axle load | 1st axle | kg | 25298 | 24252 | ±3% |
| | | 2nd axle | kg | 18757 | 22503 | ±3% |
| Power | Engine model | | —— | SC9DK260.1G3/QSB6.7-C260-30 | | — |
| | Engine rated power/rpm | | kW/(r/min) | 192/2000、194/2200 | | — |
| | Engine rated torque/rpm | | N.m/(r/min) | 1110/ (1200~1600) 、990/1500 | | — |
| Travel | Max. travel speed | | km/h | ≥40 | | — |
| | Min. travel speed | | km/h | 1.8 | | — |
| | Min. turning diameter | | m | ≤13 | | — |
| | Min. ground clearance | | mm | 475 | | ±1% |
| | Approach angle | | ° | 23 | | ±1° |
| | Departure angle | | ° | 21 | | ±1° |
| | Braking distance (at 24 km/h) | | m | ≤9 | | — |
| | Max. grade ability | | % | ≥67 | | — |

Table of main technical parameters

| Category | Item | | Unit | Parameter | Allowance |
|------------------|--|---------------------------|------------|------------|-----------|
| Main performance | Max. total rated lifting capacity | | t | 70 | ±5% |
| | Min. rated working radius | | m | 2.5 | ±1% |
| | Turning radius at turntable tail | Counterweight | mm | 4200 | ±1% |
| | Max. load moment | Base boom | kN.m | 2028.6 | ±5% |
| | | Fully-extended boom | kN.m | 1223 | ±5% |
| | Outrigger span | Longitudinal | m | 7.4 | ±1% |
| | | Lateral | m | 7.4 | ±1% |
| | Hoist height | Base boom | m | 12.8 | ±1% |
| | | Fully-extended boom | m | 45.3 | ±1% |
| | | Fully-extended boom + Jib | m | 57.9 | ±1% |
| | Boom length | Base boom | m | 11.8 | ±1% |
| | | Fully-extended boom | m | 45 | ±1% |
| | | Fully-extended boom + Jib | m | 61 | ±1% |
| | Jib offset angle | | ° | 0°、15°、30° | — |
| Working speed | Boom raising time | | s | ≤50 | — |
| | Boom fully extending time | | s | ≤90 | — |
| | Max. slewing speed | | r/min | ≥2 | — |
| | Outrigger extending and retracting time | Outrigger beam | Retracting | s | ≤20 |
| | | | Extending | s | ≤35 |
| | | Outrigger jack | Retracting | s | ≤30 |
| | | | Extending | s | ≤35 |
| | Hoisting speed (single line, 4th layer, no load) | Main winch | m/min | ≥150 | — |
| | | Auxiliary winch | m/min | ≥100 | — |

1. 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, which includes the weight of the hook block and slings. The weight of above-mentioned devices should be deducted from the rated lifting load.
2. 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. Take boom deflection into consideration before beginning a lifting operation.
3. A lifting operation is permissible only when the wind force is below grade 5 (instantaneous wind speed is 14.1 m/s, wind pressure is 125 N/m²).
4. Before beginning lifting operation, the operator should know the weight of the load to be lifted and its 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.
5. 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 will tip.
6. The boom should be extended according to the telescoping code shown by digits, which means the percentage of boom sections extended.



XCR70 Rough Terrain Crane

XCMG GROUP

