

GR-250N (III)

4-section boom2-section power tilt jibX-type/H-type outrigger



■ SPECIFICATIONS

CRANE

ACCESSORIES

| CRANE | | | | | |
|-----------------------------|-----------------------|---|--|--|--|
| | 9.35-m boom | 25,000 kg × 3.5 m (8 parts of line) | | | |
| CRANE | 16.4-m boom | 15,000 kg × 6.5 m (6 parts of line) | | | |
| | 23.45-m boom | 12,500 kg × 5.5 m (4 parts of line) | | | |
| CAPACITY | 30.5-m boom | 8,000 kg × 8.0 m (4 parts of line) | | | |
| 0/11/10111 | 8.0-m jib | 3,300 kg × 72° (1 part of line) | | | |
| | 13.0-m jib | 2,000 kg × 78° (1 part of line) | | | |
| | Single top | 4,000 kg (1 part of line) | | | |
| MAXIMUM | Boom | 31.3 m | | | |
| LIFTING HEIGHT | Jib | 44,2 m | | | |
| MAXIMUM | Boom | 27.9 m | | | |
| LOAD RADIUS | Jib | 33,8 m | | | |
| BOOM LEN | | 9.35 m-30.5 m | | | |
| | COPING LENGTH | 21.15 m | | | |
| | ENSION SPEED | | | | |
| JIB LENGT | | 21.15 m/80 s | | | |
| | 1 | 8.0 m, 13.0 m | | | |
| WINDING SPEED | Main winch | 120 m/min (4 layers) | | | |
| (Rope speed) | Auxiliary winch | 120 m/min (4 layers) | | | |
| HOOK WINDING | Main winch | 15.0 m/min (8 parts of line) | | | |
| SPEED | Auxiliary winch | 120 m/min (1 part of line) | | | |
| | Main winch | Standard: 120 m/min (4 layers) | | | |
| UNWINDING SPEED | Main winch | High speed: 160 m/min (4 layers) | | | |
| (Rope speed) [Reference] | | Standard: 120 m/min (4 layers) | | | |
| [neielelice] | Auxiliary winch | High speed: 160 m/min (4 layers) | | | |
| BOOM FLEV | 'AT I ON ANGLE | 0°-84° | | | |
| | ATION SPEED | 0°-84°/45 s | | | |
| SLEWING A | | 360° continuous | | | |
| SLEWING S | | | | | |
| SLEWING 3 | T. | 2.6 min ⁻¹ {rpm} | | | |
| WIRE ROPE | Main winch | Dia. 16 mm × length 170 m rotation-resistant wire rope | | | |
| | Auxiliary winch | Dia. 16 mm × length 98 m rotation-resistant wire rope | | | |
| BOOM | | Box-construction, 4-section, hydraulic synchronized telescoping type | | | |
| BOOM TELES | COPING SYSTEM | 1 double-acting hydraulic cylinders, 2 wire rope boom telescoping system | | | |
| JIB | | Quick-turn type (stored alongside and below boom), 2-section (telescoping 2nd section), offset 5°-60° Hydraulic stepless tilt type | | | |
| SINGLE TO | P | Fixed on top boom section | | | |
| HOISTING | SYSTEM | Driven by hydraulic motor and via bevel gear reducer, automatic brake, high-speed unwind function, 2 single winches, pressure compensated flow control valve | | | |
| BOOM ELEV | ATING SYSTEM | 1 double-acting hydraulic cylinder, pressure compensated flow control valv | | | |
| SLEWING S | SYSTEM | Driven by hydraulic motor and via bevel gear reducer, ball bearing type, free slewing/lock switchable type, negative brake | | | |
| OUTRIGGE | R | Fully hydraulic X-type or H-type (floats mounted integrally) Slides and jacks each provided with independent operation device Extension width: maximum: 6.5 m, middle: 6.1 m, 5.0 m, 3.6 m, minimum: 3.1 m (X-type), 2.3 m (H-type) | | | |
| OPERATIO | N METHOD | Hydraulic pilot operation type | | | |
| MAXIMUM LOA | AD OF OUTRIGGER | 26.9 t | | | |
| POWER TA | KE OFF | PTO wet multiplate clutch type | | | |
| HYDRAULI | C PUMP | Tandem variable piston pump, triple tandem gear pump | | | |
| SAFETY DEVICES | | Automatic moment limiter (AML), slewing automatic stop device, elevation slow down and stop device, over-winding cutout device, working area control device, outrigger extension width detector, boom telescoping cylinder hydraulic lock device, boom elevating cylinder hydraulic lock device, power tilt cylinder hydraulic lock device, level gauge, hydraulic safety valve, jack cylinder hydraulic lock device, elevel gauge, hydraulic safety valve, jack cylinder hydraulic lock device, slewing lock device, hook safety latch | | | |
| STANDARE |) EQUIPMENT | Air conditioner with dehumidifier function, hydraulic oil temperature display lamp, AM/FM radio, oil cooler, visual drum indicator Operation pedals ISO arrangement: for telescoping and for auxiliary winc Tadano arrangement: for elevating and for telescoping Mobile communication device (HELLO-NET Owner's Site), fuel consumption monitor, eco mode | | | |
| 100F000F | 7150 | 1564 111 1 765 1 2 1 1 1 1 765 1 1 1 | | | |

Wood blocks (4), aluminum base blocks (4), loudspeaker

CARRIER

| NIANAE A | ND MODEL | Todona LIDS T007 | | |
|----------------|----------------------|--|--|--|
| INAIVIE A | ND MODEL | Tadano UDS-T007 | | |
| | Name | Mitsubishi 6M60-TLE3BA (with turbocharger and air cooling | | |
| ENGINE | Model | Water-cooled, 4-cycle, 6-cyclinder, direct injection diesel engine | | |
| | Piston displacement | 7.545 L | | |
| | Maximum output | 200 kW/2,600 min ⁻¹ | | |
| | Maximum torque | 775 N·m {79.0 kgf·m}/1,600 min-1 {rpm} | | |
| TORQUE | CONVERTER | 3-element, 1-section (with automatic lock-up mechanism) | | |
| TRANSI | MISSION | Automatic and manual transmission, power shift type (wet multiplate clutch) 3 forward and 1 reverse speeds (with Hi/Low settings) | | |
| SPEED F | REDUCER | Axle two-stage deceleration | | |
| DRIVING | METHOD | 2WD (4×2)/4WD (4×4) switchable type | | |
| FRONT | AXLE | Full-floating type | | |
| REAR A | XLE | Full-floating type | | |
| CLICDENICIO | Service brake | Hydraulic pneumatic suspension (with hydraulic lock cylinder) | | |
| SUSPENSIO | Parking brake | Hydraulic pneumatic suspension (with hydraulic lock cylinder) | | |
| STEERIN | IG | Fully hydraulic power steering | | |
| | Service brake | Hydro-pneumatic disc brake | | |
| | Parking brake | Mechanical drive shaft internal expanding type | | |
| BRAKE | | Permanent magnetic retarder, | | |
| | Auxiliary brake | exhaust valve type exhaust brake, | | |
| | , | auxiliary braking device for operations | | |
| FRAME | | Welded box-shaped structure | | |
| BATTER | Υ | Two 12 V, 120 Ah (24 V) | | |
| FUEL TAN | IK CAPACITY | 300 L | | |
| TIDEO | Front | 385/95 R25 170E ROAD | | |
| TIRES | Rear | 385/95 R25 170E ROAD | | |
| CAB | | Crew capacity: 1 person, with interior fittings, liquid-sealed rubber mounted type, fully adjustable folding seat (with head rest, arm rest and seat belt), adjustable handle (tilt, telescoping), intermittent front and ceiling wipers (with washers), power windows, side visor | | |
| SAFETY DEVICES | | Emergency steering device, suspension lock unit, rear wheel steering lock device, engine over-run alarm, over-shift prevention device parking brake alarm, boom left/right side monitor TV | | |
| STANDARI | D EQU I PMENT | Power retractable mirror, tire chocks | | |
| | | | | |

OPTIONS

Winch drum monitor camera, rear monitor camera, AML external warning lamp, road shoulder lamp, marker lamp, external voice alarm, discharge head lamp

DIMENSIONS WHEN TRAVELING

| Overall le | ngth | 11,530 mm |
|---------------|-------|-----------|
| Overall width | | 2,620 mm |
| Overall h | eight | 3,495 mm |
| Wheel ba | ase | 3,880 mm |
| Track | Front | 2,170 mm |
| | Rear | 2,170 mm |

TRAVELING CAPABILITY

| Maximum traveling speed | 49 km/h | |
|------------------------------|----------------------------------|--|
| Gradeability (tan θ) | 0.57 | |
| Minimum turning radius | 5.1 m (four-wheel steering mode) | |
| Williminum turning radius | 8.5 m (two-wheel steering mode) | |

WEIGHT

| Gross vehicle weight | 25,595 kg |
|----------------------|-----------|
| Front axle load | 12,800 kg |
| Rear axle load | 12,795 kg |



RATED LIFTING CAPACITIES

| Using outriggers [BOOM] | | | | | |
|-------------------------|----------|--------|---------|--------|--|
| OUTRIG | - 360° - | | | | |
| Boom length Load radius | 9.35 m | 16.4 m | 23.45 m | 30.5 m | |
| 2.5 m | 25.0 | 15.0 | 12.5 | | |
| 3.0 m | 25.0 | 15.0 | 12.5 | | |
| 3.5 m | 25.0 | 15.0 | 12.5 | 8.0 | |
| 4.0 m | 23.5 | 15.0 | 12.5 | 8.0 | |
| 4.5 m | 21.5 | 15.0 | 12.5 | 8.0 | |
| 5.0 m | 19.6 | 15.0 | 12.5 | 8.0 | |
| 5.5 m | 17.8 | 15.0 | 12.5 | 8.0 | |
| 6.0 m | 16.3 | 15.0 | 12.4 | 8.0 | |
| 6.5 m | 15.1 | 15.0 | 11.7 | 8.0 | |
| 7.0 m | | 14.0 | 11.0 | 8.0 | |
| 8.0 m | | 11.3 | 9.8 | 8.0 | |
| 9.0 m | | 9.2 | 8.8 | 7.6 | |
| 10.0 m | | 7.5 | 7.6 | 6.9 | |
| 11.0 m | | 6.3 | 6.6 | 6.3 | |
| 12.0 m | | 5.35 | 5.6 | 5.6 | |
| 13.0 m | | 4.6 | 4.85 | 4.9 | |
| 13.5 m | | 4.25 | 4.5 | 4.6 | |
| 14.0 m | | | 4.25 | 4.3 | |
| 15.0 m | | | 3.7 | 3.8 | |
| 16.0 m | | | 3.25 | 3.4 | |
| 17.0 m | | | 2.9 | 3.0 | |
| 18.0 m | | | 2.55 | 2.65 | |
| 19.0 m | | | 2.3 | 2.4 | |
| 20.0 m | | | 2.05 | 2.15 | |
| 20.5 m | | | 1.95 | 2.0 | |
| 21.0 m | | | | 1.9 | |
| | | | | | |

22.0 m

24.0 m

26.0 m

27.9 m

A (°)

| A: boom | angle | range | (with | no | load) |
|---------|-------|-------|-------|----|-------|
| | | | | | |

0-84

1.7

1.35

1.1

0.9

| | [E | 300M] | | Unit: (t) | | | | | |
|--|--------|--------|---------|------------|--|--|--|--|--|
| OUTRIGGER MIDDLE EXTENSION (6.1 m) - Over side - | | | | | | | | | |
| Boom length Load radius | 9.35 m | 16.4 m | 23.45 m | 30.5 m | | | | | |
| 2.5 m | 25.0 | 15.0 | 12.5 | | | | | | |
| 3.0 m | 25.0 | 15.0 | 12.5 | | | | | | |
| 3.5 m | 25.0 | 15.0 | 12.5 | 8.0 | | | | | |
| 4.0 m | 23.5 | 15.0 | 12.5 | 8.0 | | | | | |
| 4.5 m | 21.5 | 15.0 | 12.5 | 8.0 | | | | | |
| 5.0 m | 19.6 | 15.0 | 12.5 | 8.0 | | | | | |
| 5.5 m | 17.8 | 15.0 | 12.5 | 8.0 | | | | | |
| 6.0 m | 16.3 | 15.0 | 12.4 | 8.0 | | | | | |
| 6.5 m | 15.0 | 15.0 | 11.7 | 8.0 | | | | | |
| 7.0 m | | 13.3 | 11.0 | 8.0 | | | | | |
| 8.0 m | | 10.3 | 9.8 | 8.0 | | | | | |
| 9.0 m | | 8.3 | 8.5 | 7.6 | | | | | |
| 10.0 m | | 6.8 | 7.0 | 6.9 | | | | | |
| 11.0 m | | 5.7 | 5.9 | 6.0 | | | | | |
| 12.0 m | | 4.9 | 5.0 | 5.15 | | | | | |
| 13.0 m | | 4.2 | 4.35 | 4.45 | | | | | |
| 13.5 m | | 3.9 | 4.0 | 4.15 | | | | | |
| 14.0 m | | | 3.8 | 3.9 | | | | | |
| 15.0 m | | | 3.3 | 3.4 | | | | | |
| 16.0 m | | | 2.9 | 3.0 | | | | | |
| 17.0 m | | | 2.6 | 2.65 | | | | | |
| 18.0 m | | | 2.3 | 2.35 | | | | | |
| 19.0 m | | | 2.05 | 2.1 | | | | | |
| 20.0 m | | | 1.85 | 1.85 | | | | | |
| 20.5 m | | | 1.75 | 1.75 | | | | | |
| 21.0 m | | | | 1.65 | | | | | |
| 22.0 m | | | | 1.5 | | | | | |
| 24.0 m | | | | 1.2 | | | | | |
| 26.0 m | | | | 0.95 | | | | | |
| 27.8 m | | | | 0.75 | | | | | |
| A (°) | | 0- | 84 | A (°) 0-84 | | | | | |

A: boom angle range (with no load)

Unit: (t)

A (°)

| | [8 | BOOM] | | Unit: (t) | | |
|--|--------|--------|---------|-----------|--|--|
| OUTRIGGER MIDDLE EXTENSION (5.0 m) - Over side - | | | | | | |
| Boom length Load radius | 9.35 m | 16.4 m | 23.45 m | 30.5 m | | |
| 2.5 m | 25.0 | 15.0 | 12.5 | | | |
| 3.0 m | 25.0 | 15.0 | 12.5 | | | |
| 3.5 m | 25.0 | 15.0 | 12.5 | 8.0 | | |
| 4.0 m | 23.5 | 15.0 | 12.5 | 8.0 | | |
| 4.5 m | 21.2 | 15.0 | 12.5 | 8.0 | | |
| 5.0 m | 18.0 | 15.0 | 12.5 | 8.0 | | |
| 5.5 m | 14.7 | 15.0 | 12.5 | 8.0 | | |
| 6.0 m | 12.3 | 12.7 | 12.4 | 8.0 | | |
| 6.5 m | 10.5 | 10.9 | 11.15 | 8.0 | | |
| 7.0 m | | 9.55 | 9.8 | 8.0 | | |
| 8.0 m | | 7.45 | 7.7 | 7.6 | | |
| 9.0 m | | 6.0 | 6.25 | 6.4 | | |
| 10.0 m | | 4.95 | 5.15 | 5.3 | | |
| 11.0 m | | 4.1 | 4.35 | 4.45 | | |
| 12.0 m | | 3.5 | 3.7 | 3.8 | | |
| 13.0 m | | 3.0 | 3.15 | 3.25 | | |
| 13.5 m | | 2.8 | 2.9 | 3.0 | | |
| 14.0 m | | | 2.7 | 2.8 | | |
| 15.0 m | | | 2.35 | 2.4 | | |
| 16.0 m | | | 2.05 | 2.1 | | |
| 17.0 m | | | 1.75 | 1.85 | | |
| 18.0 m | | | 1.55 | 1.6 | | |
| 19.0 m | | | 1.35 | 1.4 | | |
| 20.0 m | | | 1.2 | 1.2 | | |
| 20.5 m | | | 1.1 | 1.1 | | |
| 21.0 m | | | | 1.05 | | |
| 22.0 m | | | | 0.9 | | |
| 24.0 m | | | | 0.65 | | |

32-84 A: boom angle range (with no load)

| | Unit: (t) | | | | | | |
|----------------------------|--|--------|---------|--------|--|--|--|
| OUTRIC | OUTRIGGER MIDDLE EXTENSION (3.6 m) - Over side | | | | | | |
| Boom length Load radius | 9.35 m | 16.4 m | 23.45 m | 30.5 m | | | |
| 2.5 m | 25.0 | 15.0 | 12.5 | | | | |
| 3.0 m | 25.0 | 15.0 | 12.5 | | | | |
| 3.5 m | 20.0 | 15.0 | 12.5 | 8.0 | | | |
| 4.0 m | 15.4 | 15.0 | 12.5 | 8.0 | | | |
| 4.5 m | 12.1 | 12.7 | 12.5 | 8.0 | | | |
| 5.0 m | 9.9 | 10.6 | 10.6 | 8.0 | | | |
| 5.5 m | 8.25 | 8.9 | 9.0 | 8.0 | | | |
| 6.0 m | 7.0 | 7.6 | 7.8 | 7.6 | | | |
| 6.5 m | 6.0 | 6.55 | 6.8 | 6.8 | | | |
| 7.0 m | | 5.75 | 5.95 | 6.0 | | | |
| 8.0 m | | 4.5 | 4.7 | 4.75 | | | |
| 9.0 m | | 3.6 | 3.8 | 3.85 | | | |
| 10.0 m | | 2.9 | 3.1 | 3.15 | | | |
| 11.0 m | | 2.4 | 2.55 | 2.6 | | | |
| 12.0 m | | 1.95 | 2.1 | 2.15 | | | |
| 13.0 m | | 1.6 | 1.75 | 1.8 | | | |
| 13.5 m | | 1.45 | 1.6 | 1.65 | | | |
| 14.0 m | | | 1.45 | 1.5 | | | |
| 15.0 m | | | 1.2 | 1.25 | | | |
| 16.0 m | | | 1.0 | 1.05 | | | |
| 17.0 m | | | 0.8 | 0.85 | | | |
| 18.0 m | | | 0.65 | 0.7 | | | |
| 19.0 m | | | 0.5 | 0.55 | | | |

| 2.5 111 | 25.0 | 15.0 | 12.0 | |
|---------|------|------|-------|-------|
| 3.0 m | 25.0 | 15.0 | 12.5 | |
| 3.5 m | 20.0 | 15.0 | 12.5 | 8.0 |
| 4.0 m | 15.4 | 15.0 | 12.5 | 8.0 |
| 4.5 m | 12.1 | 12.7 | 12.5 | 8.0 |
| 5.0 m | 9.9 | 10.6 | 10.6 | 8.0 |
| 5.5 m | 8.25 | 8.9 | 9.0 | 8.0 |
| 6.0 m | 7.0 | 7.6 | 7.8 | 7.6 |
| 6.5 m | 6.0 | 6.55 | 6.8 | 6.8 |
| 7.0 m | | 5.75 | 5.95 | 6.0 |
| 8.0 m | | 4.5 | 4.7 | 4.75 |
| 9.0 m | | 3.6 | 3.8 | 3.85 |
| 10.0 m | | 2.9 | 3.1 | 3.15 |
| 11.0 m | | 2.4 | 2.55 | 2.6 |
| 12.0 m | | 1.95 | 2.1 | 2.15 |
| 13.0 m | | 1.6 | 1.75 | 1.8 |
| 13.5 m | | 1.45 | 1.6 | 1.65 |
| 14.0 m | | | 1.45 | 1.5 |
| 15.0 m | | | 1.2 | 1.25 |
| 16.0 m | | | 1.0 | 1.05 |
| 17.0 m | | | 0.8 | 0.85 |
| 18.0 m | | | 0.65 | 0.7 |
| 19.0 m | | | 0.5 | 0.55 |
| Δ (°) | 0- | 84 | 25-84 | 47-84 |

| Boom length Load radius | 9.35 m | 16.4 m | 23.45 m | 30.5 m |
|----------------------------|--------|--------|---------|--------|
| 2.5 m | 18.0 | 15.0 | 12.5 | |
| 3.0 m | 18.0 | 15.0 | 12.5 | |
| 3.5 m | 14.5 | 15.0 | 12.5 | 8.0 |
| 4.0 m | 11.6 | 12.0 | 12.5 | 8.0 |
| 4.5 m | 9.3 | 10.0 | 10.2 | 8.0 |
| 5.0 m | 7.6 | 8.4 | 8.6 | 8.0 |
| 5.5 m | 6.4 | 7.1 | 7.3 | 7.3 |
| 6.0 m | 5.4 | 6.1 | 6.3 | 6.3 |
| 6.5 m | 4.7 | 5.3 | 5.5 | 5.5 |
| 7.0 m | | 4.6 | 4.85 | 4.9 |
| 8.0 m | | 3.6 | 3.8 | 3.8 |
| 9.0 m | | 2.8 | 3.05 | 3.05 |
| 10.0 m | | 2.3 | 2.45 | 2.5 |
| 11.0 m | | 1.8 | 2.0 | 2.05 |
| 12.0 m | | 1.5 | 1.6 | 1.65 |
| 13.0 m | | 1.2 | 1.3 | 1.35 |
| 13.5 m | | 1.0 | 1.2 | 1.25 |
| 14.0 m | | | 1.05 | 1.1 |
| 15.0 m | | | 0.85 | 0.9 |
| 16.0 m | | | 0.65 | 0.7 |
| 17.0 m | | | 0.5 | 0.55 |
| A (°) | 0- | 84 | 36-84 | 52-84 |

[BOOM] (X-type)

OUTRIGGER MINIMUM EXTENSION (3.1 m) - Over side -

A: boom angle range (with no load)

| | [E | 300M] (H | H-type) | Unit: (t) |
|----------------------------|-----------|---------------------|------------|---------------|
| OUTRIGO | ER MINIMU | M EXTENS I C | ON (2.3 m) | - Over side - |
| Boom length Load radius | 9.35 m | 16.4 m | 23.45 m | 30.5 m |
| 2.5 m | 12.2 | 12.0 | 10.0 | |
| 3.0 m | 12.2 | 12.0 | 10.0 | |
| 3.5 m | 9.8 | 10.0 | 10.0 | 6.0 |
| 4.0 m | 7.6 | 8.0 | 8.5 | 6.0 |
| 4.5 m | 6.1 | 6.7 | 7.0 | 6.0 |
| 5.0 m | 5.0 | 5.5 | 5.8 | 5.8 |
| 5.5 m | 4.1 | 4.6 | 4.9 | 5.0 |
| 6.0 m | 3.4 | 4.0 | 4.25 | 4.35 |
| 6.5 m | 2.9 | 3.4 | 3.65 | 3.75 |
| 7.0 m | | 2.95 | 3.15 | 3.3 |
| 8.0 m | | 2.2 | 2.4 | 2.5 |
| 9.0 m | | 1.65 | 1.85 | 1.95 |
| 10.0 m | | 1.2 | 1.4 | 1.5 |
| 11.0 m | | 0.9 | 1.1 | 1.15 |
| 12.0 m | | 0.65 | 0.8 | 0.9 |
| A (°) | 0-84 | 30-84 | 54-84 | 64-84 |

A: boom angle range (with no load)

[JIB] (30.5-m boom)

| | | | | (| OUTF | IGGE | RMA | XIMU | M EX | TENS | ON (6 | 3.5 m) | | | - 36 | 60° - |
|---------------|-----------------------|----------------------------------|-------|----------------------------------|--------|---------------------------------|------|----------------------------------|------|----------------------------------|-------|----------------------------------|--------|----------------------------------|------|----------------------------------|
| Jib length | | 30 |).5-m | boor | n + 8. | 0-m ji | ib | | | 30 |).5-m | boom | n + 13 | .0-m | jib | |
| Offset | | 5° | 2 | 25° | 4 | 15° | 6 | 0° | | 5° | 2 | :5° | 4 | 5° | 6 | 0° |
| Boom angle | Load radius (m) | Rated lifting capacity (t) | | Rated lifting capacity (t) | | Rated liting capacity (t) | | Rated lifting capacity (t) | | Rated lifting capacity (t) | | Rated litting capacity (t) | | Rated lifting capacity (t) | | Rated lifting capacity (t) |
| 84° | 4.1 | 3.3 | 6.6 | 2.3 | 8.7 | 1.7 | 9.6 | 1.05 | 5.2 | 2.0 | 9.8 | 1.25 | 12.8 | 0.85 | 14.3 | 0.55 |
| 80° | 7.3 | 3.3 | 9.5 | 2.3 | 11.5 | 1.7 | 12.1 | 1.05 | 8.9 | 2.0 | 13.2 | 1.25 | 15.8 | 0.85 | 16.9 | 0.55 |
| 78° | 8.8 | 3.3 | 10.9 | 2.3 | 12.8 | 1.7 | 13.3 | 1.05 | 10.5 | 2.0 | 14.7 | 1.2 | 17.1 | 0.85 | 18.1 | 0.55 |
| 76° | 10.2 | 3.3 | 12.3 | 2.3 | 14.0 | 1.7 | 14.4 | 1.05 | 12.1 | 1.9 | 16.1 | 1.15 | 18.4 | 0.85 | 19.2 | 0.55 |
| 74° | 11.7 | 3.3 | 13.6 | 2.3 | 15.2 | 1.65 | 15.5 | 1.05 | 13.7 | 1.8 | 17.5 | 1.1 | 19.6 | 0.85 | 20.3 | 0.55 |
| 72° | 13.0 | 3.3 | 14.8 | 2.3 | 16.3 | 1.65 | 16.6 | 1.05 | 15.1 | 1.65 | 19.0 | 1.1 | 20.8 | 0.85 | 21.4 | 0.55 |
| 70° | 14.4 | 3.25 | 16.1 | 2.3 | 17.4 | 1.6 | 17.7 | 1.05 | 16.7 | 1.6 | 20.3 | 1.05 | 22.0 | 0.85 | 22.5 | 0.55 |
| 68° | 15.6 | 3.0 | 17.2 | 2.25 | 18.5 | 1.55 | 18.7 | 1.0 | 18.1 | 1.5 | 21.6 | 1.0 | 23.1 | 0.85 | 23.5 | 0.55 |
| 65° | 17.2 | 2.55 | 18.9 | 2.05 | 20.0 | 1.55 | 20.1 | 1.0 | 20.1 | 1.4 | 23.5 | 1.0 | 24.7 | 0.84 | 25.0 | 0.55 |
| 60° | 20.0 | 1.85 | 21.5 | 1.65 | 22.6 | 1.5 | 22.5 | 1.0 | 23.4 | 1.25 | 26.5 | 0.95 | 27.4 | 0.81 | 27.4 | 0.54 |
| 55° | 22.5 | 1.35 | 23.9 | 1.2 | 24.8 | 1.2 | | | 26.4 | 1,1 | 29.2 | 0.91 | 29.7 | 0.79 | | |
| 53° | 23.5 | 1.2 | 24.9 | 1.1 | 25.6 | 1.05 | | | 27.5 | 0.98 | 30.2 | 0.87 | 30.5 | 0.79 | | |
| 50° | 24.9 | 1.0 | 26.1 | 0.92 | 26.7 | 0.92 | | | 29.0 | 0.81 | 31.5 | 0.72 | 31.7 | 0.7 | | |
| 47° | 26.2 | 0.81 | 27.4 | 0.75 | 27.8 | 0.75 | | | 30.4 | 0.65 | 32.7 | 0.58 | 32.8 | 0.57 | | |
| 45° | 27.1 | 0.7 | 28.1 | 0.65 | 28.5 | 0.65 | | | 31.4 | 0.56 | 33.5 | 0.5 | 33.4 | 0.49 | | |
| 40° | 29.1 | 0.47 | 29.9 | 0.43 | | | | | 33.6 | 0.36 | | | | | | |
| A (°) | | 39- | -84 | | 44 | -84 | 59 | -84 | 39 | -84 | | 44 | -84 | | 59- | -84 |

A: boom angle range (with no load)

[JIB] (30.5-m boom)

| | | | | | OUT | RIGG | ER M | IDDLE | EXT | ENSI | ON (6. | .1 m) | | - (| over s | ide - |
|---------------|-----------------------|---------------------------------|-------|----------------------------------|--------|----------------------------------|------|----------------------------------|------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|
| Jib length | | 30 | 0.5-m | boon | n + 8. | 0-m ji | b | | | 30 |).5-m | boom | 1 + 13 | .0-m | jib | |
| Offset | | 5° | 2 | 25° | 4 | 15° | 6 | 0° | į | 5° | 2 | :5° | 4 | 5° | 6 | :0° |
| Boom angle | Load radius (m) | Rated liting capacity (t) | | Rated lifting capacity (t) | | Rated lifting capacity (t) | | Rated litting capacity (t) | | Rated lifting capacity (t) | | Rated lifting capacity (t) | | Rated litting capacity (t) | | Rated lifting capacity (t) |
| 84° | 4.1 | 3.3 | 6.6 | 2.3 | 8.7 | 1.7 | 9.6 | 1.05 | 5.2 | 2.0 | 9.8 | 1.25 | 12.8 | 0.85 | 14.3 | 0.55 |
| 80° | 7.3 | 3.3 | 9.5 | 2.3 | 11.5 | 1.7 | 12.1 | 1.05 | 8.9 | 2.0 | 13.2 | 1.25 | 15.8 | 0.85 | 16.9 | 0.55 |
| 78° | 8.8 | 3.3 | 10.9 | 2.3 | 12.8 | 1.7 | 13.3 | 1.05 | 10.5 | 2.0 | 14.7 | 1.2 | 17.1 | 0.85 | 18.1 | 0.55 |
| 76° | 10.2 | 3.3 | 12.3 | 2.3 | 14.0 | 1.7 | 14.4 | 1.05 | 12.1 | 1.9 | 16.1 | 1.15 | 18.4 | 0.85 | 19.2 | 0.55 |
| 74° | 11.7 | 3.3 | 13.6 | 2.3 | 15.2 | 1.65 | 15.5 | 1.05 | 13.7 | 1.8 | 17.5 | 1.1 | 19.6 | 0.85 | 20.3 | 0.55 |
| 72° | 13.0 | 3.3 | 14.8 | 2.3 | 16.3 | 1.65 | 16.6 | 1.05 | 15.1 | 1.65 | 19.0 | 1.1 | 20.8 | 0.85 | 21.4 | 0.55 |
| 70° | 14.4 | 3.25 | 16.1 | 2.3 | 17.4 | 1.6 | 17.7 | 1.05 | 16.7 | 1.6 | 20.3 | 1.05 | 22.0 | 0.85 | 22.5 | 0.55 |
| 68° | 15.6 | 3.0 | 17.2 | 2.25 | 18.5 | 1.55 | 18.7 | 1.0 | 18.1 | 1.5 | 21.6 | 1.0 | 23.1 | 0.85 | 23.5 | 0.55 |
| 65° | 17.2 | 2.4 | 18.9 | 2.05 | 20.0 | 1.55 | 20.1 | 1.0 | 20.1 | 1.4 | 23.5 | 1.0 | 24.7 | 0.84 | 25.0 | 0.55 |
| 60° | 19.9 | 1.7 | 21.5 | 1.5 | 22.6 | 1.45 | 22.5 | 1.0 | 23.4 | 1.25 | 26.5 | 0.95 | 27.4 | 0.81 | 27.4 | 0.54 |
| 55° | 22.5 | 1.2 | 23.9 | 1.1 | 24.8 | 1.1 | | | 26.4 | 1.0 | 29.2 | 0.88 | 29.7 | 0.79 | | |
| 53° | 23.4 | 1.05 | 24.8 | 0.99 | 25.6 | 0.98 | | | 27.4 | 0.88 | 30.1 | 0.78 | 30.5 | 0.75 | | |
| 50° | 24.9 | 0.88 | 26.1 | 0.8 | 26.7 | 0.81 | | | 29.0 | 0.71 | 31.4 | 0.62 | 31.7 | 0.61 | | |
| 47° | 26.2 | 0.69 | 27.3 | 0.63 | 27.8 | 0.64 | | | 30.4 | 0.55 | 32.6 | 0.48 | 32.7 | 0.48 | | |
| 45° | 27.0 | 0.58 | 28.1 | 0.53 | 28.4 | 0.54 | | | 31.3 | 0.46 | 33.4 | 0.4 | 33.4 | 0.4 | | |
| 40° | 29.0 | 0.36 | | | | | | | | | | | | | | |
| A (°) | 39 | -84 | | 44 | -84 | | 59 | -84 | | | 44 | -84 | | | 59- | -84 |

A: boom angle range (with no load)

[JIB] (30.5-m boom)

| | | | | | | | IJ | | 30.5- | אלווו מכ | orri) | | | | | |
|---------------|------|----------------------------------|-------|----------------------------------|--------|----------------------------------|------|----------------------------------|-------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|
| | | | | | OUT | RIGG | ER M | I DDLE | EXT | ENSIC | ON (5. | .0 m) | | - C | ver si | de - |
| Jib length | | 30 | 0.5-m | boor | n + 8. | 0-m ji | b | | | 30 |).5-m | boom | 1 + 13 | .0-m | jib | |
| Offset | | 5° | 2 | 25° | 4 | l5° | 6 | 60° | 5 | 5° | 2 | :5° | 4 | 5° | 6 | 0° |
| Boom angle | | Rated lifting capacity (t) | | Rated lifting capacity (t) | | Rated litting capacity (t) | | Rated lifting capacity (t) | | Rated lifting capacity (t) | | Rated litting capacity (t) | | Rated lifting capacity (t) | | Rated lifting capacity (t) |
| 84° | 4.1 | 3.3 | 6.6 | 2.3 | 8.7 | 1.7 | 9.6 | 1.05 | 5.2 | 2.0 | 9.8 | 1.25 | 12.8 | 0.85 | 14.3 | 0.55 |
| 80° | 7.3 | 3.3 | 9.5 | 2.3 | 11.5 | 1.7 | 12.1 | 1.05 | 8.9 | 2.0 | 13.2 | 1.25 | 15.8 | 0.85 | 16.9 | 0.55 |
| 78° | 8.8 | 3.3 | 10.9 | 2.3 | 12.8 | 1.7 | 13.3 | 1.05 | 10.5 | 2.0 | 14.7 | 1.2 | 17.1 | 0.85 | 18.1 | 0.55 |
| 76° | 10.2 | 3.3 | 12.3 | 2.3 | 14.0 | 1.7 | 14.4 | 1.05 | 12.1 | 1.9 | 16.1 | 1.15 | 18.4 | 0.85 | 19.2 | 0.55 |
| 74° | 11.7 | 3.3 | 13.6 | 2.3 | 15.2 | 1.65 | 15.5 | 1.05 | 13.7 | 1.8 | 17.5 | 1.1 | 19.6 | 0.85 | 20.3 | 0.55 |
| 72° | 13.0 | 3.15 | 14.8 | 2.3 | 16.3 | 1.65 | 16.6 | 1.05 | 15.1 | 1.65 | 19.0 | 1.1 | 20.8 | 0.85 | 21.4 | 0.55 |
| 70° | 14.1 | 2.6 | 16.0 | 2.15 | 17.4 | 1.6 | 17.7 | 1.05 | 16.7 | 1.6 | 20.4 | 1.05 | 22.0 | 0.85 | 22.5 | 0.55 |
| 68° | 15.2 | 2.2 | 17.1 | 1.85 | 18.5 | 1.55 | 18.7 | 1.0 | 18.1 | 1.5 | 21.6 | 1.0 | 23.1 | 0.85 | 23.5 | 0.55 |
| 65° | 16.9 | 1.7 | 18.7 | 1.45 | 20.0 | 1.35 | 20.1 | 1.0 | 20.1 | 1.35 | 23.5 | 1.0 | 24.7 | 0.84 | 25.0 | 0.55 |
| 60° | 19.6 | 1.1 | 21.3 | 0.98 | 22.4 | 0.94 | 22.5 | 0.93 | 23.2 | 0.9 | 26.3 | 0.74 | 27.3 | 0.7 | 27.4 | 0.54 |
| 55° | 22.2 | 0.71 | 23.7 | 0.62 | 24.6 | 0.61 | | | 26.0 | 0.55 | 28.8 | 0.45 | 29.6 | 0.43 | | |
| 53° | 23.2 | 0.56 | 24.6 | 0.49 | 25.4 | 0.48 | | | 27.1 | 0.43 | | | | | | |
| 50° | 24.6 | 0.37 | | | | | | | | | | | | | | |
| A (°) | 49 | -84 | | 52 | -84 | | 59 | -84 | 52 | -84 | | 54 | -84 | | 59- | .84 |

A: boom angle range (with no load)

[JIB] (30.5-m boom)

| | | | | | OUT | RIGG | ER M | IDDLE | EXT | ENSI | DN (3. | .6 m) | | - (| Over s | ide - |
|---------------|------|----------------------------------|-------|----------------------------------|--------|----------------------------------|------|----------------------------------|------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|
| Jib length | | 30 | 0.5-m | boon | า + 8. | 0-m ji | b | | | 30 |).5-m | boom | n + 13 | 3.0-m | jib | |
| Offset | | 5° | 2 | 25° | 4 | 15° | 6 | 60° | į. | 5° | 2 | :5° | 4 | .5° | 6 | :0° |
| Boom angle | | Rated litting capacity (t) | | Rated lifting capacity (t) | | Rated litting capacity (t) | | Rated litting capacity (t) | | Rated lifting capacity (t) | | Rated lifting capacity (t) | | Rated litting capacity (t) | | Rated lifting capacity (t) |
| 84° | 4.1 | 3.3 | 6.6 | 2.3 | 8.7 | 1.7 | 9.6 | 1.05 | 5.2 | 2.0 | 9.8 | 1.25 | 12.8 | 0.85 | 14.3 | 0.55 |
| 80° | 7.3 | 3.3 | 9.5 | 2.3 | 11.5 | 1.7 | 12.1 | 1.05 | 8.9 | 2.0 | 13.2 | 1.25 | 15.8 | 0.85 | 16.9 | 0.55 |
| 78° | 8.8 | 3.3 | 10.9 | 2.3 | 12.8 | 1.7 | 13.3 | 1.05 | 10.5 | 2.0 | 14.7 | 1.2 | 17.1 | 0.85 | 18.1 | 0.55 |
| 76° | 10.1 | 2.9 | 12.3 | 2.25 | 14.0 | 1.7 | 14.4 | 1.05 | 12.1 | 1.9 | 16.1 | 1.15 | 18.4 | 0.85 | 19.2 | 0.55 |
| 74° | 11.3 | 2.35 | 13.4 | 1.85 | 15.1 | 1.6 | 15.5 | 1.05 | 13.7 | 1.8 | 17.5 | 1.1 | 19.6 | 0.85 | 20.3 | 0.55 |
| 72° | 12.4 | 1.85 | 14.5 | 1.5 | 16.2 | 1.3 | 16.6 | 1.05 | 15.0 | 1.45 | 19.0 | 1.1 | 20.8 | 0.85 | 21.4 | 0.55 |
| 70° | 13.6 | 1.45 | 15.7 | 1.2 | 17.2 | 1.1 | 17.7 | 1.05 | 16.3 | 1.15 | 20.2 | 0.92 | 21.9 | 0.82 | 22.5 | 0.55 |
| 68° | 14.8 | 1.15 | 16.7 | 0.98 | 18.2 | 0.89 | 18.6 | 0.87 | 17.7 | 0.95 | 21.3 | 0.74 | 23.0 | 0.67 | 23.5 | 0.55 |
| 65° | 16.5 | 0.81 | 18.4 | 0.69 | 19.7 | 0.63 | 20.0 | 0.62 | 19.6 | 0.65 | 23.1 | 0.51 | 24.5 | 0.45 | 25.0 | 0.46 |
| 60° | 19.3 | 0.35 | | | | | | | | | | | | | | |
| A (°) | 59 | -84 | | | 64 | -84 | | | | | | 64 | -84 | | | |

A: boom angle range (with no load)

[JIB] (23.45-m boom)

| 50° - | - 36 | | | 3.5 m) | ON (6 | ΓENSI | M EX | XIMU | R MA | IGGE | DUTR | (| | | | |
|----------------------------|------|----------------------------------|--------|----------------------------------|-------|----------------------------------|------|----------------------------------|-----------------------|----------------------------------|-------|----------------------------------|-------|----------------------------------|------|---------------|
| | jib | 3.0-m | n + 13 | boor | .45-m | 23. | | | ib | .0-m j | n + 8 | n bool | .45-n | 23 | | Jib length |
| 60° | 6 | 5° | 4 | 5° | 2 | 5° | 5 | 0° | 6 | .5° | 4 | :5° | 2 | 5° | | Offset |
| Rated lift capac (t) | | Rated lifting capacity (t) | | Rated litting capacity (t) | | Rated lifting capacity (t) | | Rated lifting capacity (t) | Load radius (m) | Rated litting capacity (t) | | Rated lifting capacity (t) | | Rated lifting capacity (t) | | Boom angle |
| 0.5 | 13.2 | 0.85 | 11.6 | 1.25 | 8.4 | 2.0 | 4.0 | 1.05 | 8.6 | 1.7 | 7.6 | 2.3 | 5.5 | 3.3 | 3.0 | 84° |
| 0.5 | 15.2 | 0.85 | 13.8 | 1.25 | 11.0 | 2.0 | 6.9 | 1.05 | 10.5 | 1.7 | 9.6 | 2.3 | 7.8 | 3.3 | 5.3 | 80° |
| 0.5 | 16.1 | 0.85 | 14.9 | 1.2 | 12.2 | 2.0 | 8.2 | 1.05 | 11.4 | 1.7 | 10.6 | 2.3 | 8.8 | 3.3 | 6.5 | 78° |
| 0.58 | 17.0 | 0.85 | 16.0 | 1.15 | 13.4 | 1.9 | 9.5 | 1.05 | 12.2 | 1.7 | 11.6 | 2.3 | 9.9 | 3.3 | 7.6 | 76° |
| 0.5 | 17.9 | 0.85 | 16.9 | 1.1 | 14.5 | 1.8 | 10.7 | 1.05 | 13.1 | 1.65 | 12.5 | 2.3 | 10.9 | 3.3 | 8.7 | 74° |
| 0.5 | 18.8 | 0.85 | 17.9 | 1.1 | 15.6 | 1.65 | 11.9 | 1.05 | 13.9 | 1.65 | 13.4 | 2.3 | 11.8 | 3.3 | 9.8 | 72° |
| 0.5 | 19.6 | 0.85 | 18.8 | 1.05 | 16.7 | 1.6 | 13.1 | 1.05 | 14.7 | 1.6 | 14.2 | 2.3 | 12.8 | 3.3 | 10.9 | 70° |
| 0.5 | 20.4 | 0.85 | 19.8 | 1.0 | 17.7 | 1.5 | 14.3 | 1.0 | 15.5 | 1.55 | 15.1 | 2.3 | 13.8 | 3.3 | 11.9 | 68° |
| 0.5 | 21.6 | 0.84 | 21.0 | 1.0 | 19.3 | 1.4 | 15.9 | 1.0 | 16.6 | 1.55 | 16.3 | 2.3 | 15.2 | 3.3 | 13.4 | 65° |
| 0.5 | 23.4 | 0.81 | 23.1 | 0.95 | 21.7 | 1,25 | 18.7 | 1.0 | 18.5 | 1.5 | 18.4 | 2.3 | 17.4 | 2.9 | 15.7 | 60° |
| | | 0.79 | 25.0 | 0.91 | 24.0 | 1.15 | 21.2 | | | 1.45 | 20.2 | 2.15 | 19.5 | 2.6 | 17.9 | 55° |
| | | 0.79 | 25.7 | 0.9 | 24.8 | 1.1 | 22.2 | | | 1.45 | 21.0 | 2.1 | 20.3 | 2.35 | 18.7 | 53° |
| | | 0.78 | 26.7 | 0.88 | 26.0 | 1.05 | 23.6 | | | 1.45 | 22.0 | 1.85 | 21.3 | 2.05 | 19.9 | 50° |
| | | 0.78 | 27.6 | 0.87 | 27.1 | 1.0 | 24.9 | | | 1.45 | 22.9 | 1.65 | 22.3 | 1.8 | 21.0 | 47° |
| | | 0.78 | 28.1 | 0.87 | 27.8 | 1.0 | 25.7 | | | 1.45 | 23.5 | 1.55 | 23.0 | 1.65 | 21.7 | 45° |
| | | | | 0.86 | 29.4 | 0.95 | 27.7 | | | | | 1.3 | 24.4 | 1.35 | 23.3 | 40° |
| | | | | 0.85 | 30.7 | 0.91 | 29.4 | | | | | 1.1 | 25.7 | 1.15 | 24.8 | 35° |
| | | | | 0.74 | 31.7 | 0.8 | 30.8 | | | | | 0.97 | 26.7 | 1.0 | 26.1 | 30° |
| | | | | 0.64 | 32.5 | 0.68 | 32.0 | | | | | 0.86 | 27.5 | 0.88 | 27.2 | 25° |
| | | | | | | 0.6 | 32.9 | | | | | | | 0.79 | 28.0 | 20° |
| | | | | | | 0.55 | 33.5 | | | | | | | 0.73 | 28.6 | 15° |
| | | | | | | 0.53 | 33.8 | | | | | | | 0.68 | 29.0 | 10° |
| | | | | | | 0.53 | 33.8 | | | | | | | 0.68 | 29.0 | 5° |
| -84 | 59 | -84 | 44 | -84 | 24 | 84 | 4- | -84 | 59 | -84 | 44 | -84 | 24- | 84 | 4- | A (°) |

[JIB] (23.45-m boom)

| | | | | | OUT | RIGG | ER M | IDDLE | EXT | ENSI | ON (6. | .1 m) | | - (| Over s | ide - |
|---------------|-----------------------|----------------------------------|-----------------------|----------------------------------|-----------------------|----------------------------------|-----------------------|----------------------------------|-----------------------|----------------------------------|-----------------------|----------------------------------|-----------------------|----------------------------------|-----------------------|----------------------------------|
| Jib length | | 23 | .45-n | n booi | n + 8 | .0-m j | ib | | | 23 | .45-m | boor | n + 1: | 3.0-m | jib | |
| Offset | | 5° | 2 | 25° | 4 | -5° | 6 | 60° | ŧ | 5° | 2 | 5° | 4 | 5° | 6 | 0° |
| Boom angle | Load radius (m) | Rated litting capacity (t) | Load radius (m) | Rated lifting capacity (t) | Load radius (m) | Rated lifting capacity (t) | Load radius (m) | Rated litting capacity (t) | Load radius (m) | Rated lifting capacity (t) | Load radius (m) | Rated lifting capacity (t) | Load radius (m) | Rated litting capacity (t) | Load radius (m) | Rated lifting capacity (t) |
| 84° | 3.0 | 3.3 | 5.5 | 2.3 | 7.6 | 1.7 | 8.6 | 1.05 | 4.0 | 2.0 | 8.4 | 1.25 | 11.6 | 0.85 | 13.2 | 0.55 |
| 80° | 5.3 | 3.3 | 7.8 | 2.3 | 9.6 | 1.7 | 10.5 | 1.05 | 6.9 | 2.0 | 11.0 | 1.25 | 13.8 | 0.85 | 15.2 | 0.55 |
| 78° | 6.5 | 3.3 | 8.8 | 2.3 | 10.6 | 1.7 | 11.4 | 1.05 | 8.2 | 2.0 | 12.2 | 1.2 | 14.9 | 0.85 | 16.1 | 0.55 |
| 76° | 7.6 | 3.3 | 9.9 | 2.3 | 11.6 | 1.7 | 12.2 | 1.05 | 9.5 | 1.9 | 13.4 | 1.15 | 16.0 | 0.85 | 17.0 | 0.55 |
| 74° | 8.7 | 3.3 | 10.9 | 2.3 | 12.5 | 1.65 | 13.1 | 1.05 | 10.7 | 1.8 | 14.5 | 1.1 | 16.9 | 0.85 | 17.9 | 0.55 |
| 72° | 9.8 | 3.3 | 11.8 | 2.3 | 13.4 | 1.65 | 13.9 | 1.05 | 11.9 | 1.65 | 15.6 | 1.1 | 17.9 | 0.85 | 18.8 | 0.55 |
| 70° | 10.9 | 3.3 | 12.8 | 2.3 | 14.2 | 1.6 | 14.7 | 1.05 | 13.1 | 1.6 | 16.7 | 1.05 | 18.8 | 0.85 | 19.6 | 0.55 |
| 68° | 11.9 | 3.3 | 13.8 | 2.3 | 15.1 | 1.55 | 15.5 | 1.0 | 14.3 | 1.5 | 17.7 | 1.0 | 19.8 | 0.85 | 20.4 | 0.55 |
| 65° | 13.4 | 3.3 | 15.2 | 2.3 | 16.3 | 1.55 | 16.6 | 1.0 | 15.9 | 1.4 | 19.3 | 1.0 | 21.0 | 0.84 | 21.6 | 0.55 |
| 60° | 15.7 | 2.85 | 17.4 | 2.3 | 18.4 | 1.5 | 18.5 | 1.0 | 18.7 | 1.25 | 21.7 | 0.95 | 23.1 | 0.81 | 23.4 | 0.54 |
| 55° | 17.9 | 2.2 | 19.4 | 1.95 | 20.2 | 1.45 | | | 21.2 | 1.15 | 24.0 | 0.91 | 25.0 | 0.79 | | |
| 53° | 18.6 | 2.0 | 20.2 | 1.8 | 21.0 | 1.45 | | | 22.2 | 1.1 | 24.8 | 0.9 | 25.7 | 0.79 | | |
| 50° | 19.8 | 1.75 | 21.2 | 1.6 | 22.0 | 1.45 | | | 23.6 | 1.05 | 26.0 | 0.88 | 26.7 | 0.78 | | |
| 47° | 20.9 | 1.55 | 22.3 | 1.4 | 22.9 | 1.4 | | | 24.9 | 1.0 | 27.1 | 0.87 | 27.6 | 0.78 | | |
| 45° | 21.6 | 1.4 | 22.9 | 1.3 | 23.4 | 1.3 | | | 25.7 | 1.0 | 27.8 | 0.87 | 28.1 | 0.78 | | |
| 40° | 23.3 | 1.15 | 24.4 | 1.05 | | | | | 27.7 | 0.95 | 29.4 | 0.86 | | | | |
| 35° | 24.8 | 0.95 | 25.6 | 0.9 | | | | | 29.4 | 0.75 | 30.7 | 0.7 | | | | |
| 30° | 26.1 | 0.8 | 26.7 | 0.75 | | | | | 30.8 | 0.62 | 31.7 | 0.6 | | | | |
| 25° | 27.2 | 0.7 | 27.5 | 0.65 | | | | | 32.0 | 0.52 | 32.5 | 0.5 | | | | |
| 20° | 28.0 | 0.6 | | | | | | | 32.9 | 0.45 | | | | | | |
| 15° | 28.6 | 0.55 | | | | | | | 33.5 | 0.4 | | | | | | |
| 10° | 28.9 | 0.5 | | | | | | | 33.8 | 0.38 | | | | | | |
| 5° | 29.0 | 0.5 | | | | | | | 33.8 | 0.38 | | | | | | |
| A (°) | 4- | 84 | 24 | -84 | 44 | -84 | 59 | -84 | 4- | 84 | 24 | -84 | 44 | -84 | 59 | -84 |

A: boom angle range (with no load)

[JIB] (23.45-m boom)

| _ | | | | | | | |] /- | |) III k | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | '/ | | | | |
|---------------|------|----------------------------------|--------|---------------------------------|-------|----------------------------------|------|----------------------------------|------|---------------------------------|---|----------------------------------|--------|----------------------------------|--------|---------------------------------|
| | | | | | OUT | RIGG | ER M | IDDLE | EXT | ENSI | DN (5. | .0 m) | | - (| over s | ide - |
| Jib length | | 23 | 3.45-r | n boo | m + 8 | 3.0-m | jib | | | 23 | .45-m | boor | n + 10 | 3.0-m | jib | |
| Offset | | 5° | 2 | 5° | 4: | 5° | 6 | O° | į | 5° | 2 | 5° | 4 | 5° | 60 |)° |
| Boom angle | | Rated lifting capacity (t) | | Rated liting capacity (t) | | Rated litting capacity (t) | | Rated lifting capacity (t) | | Rated liting capacity (t) | | Rated litting capacity (t) | | Rated lifting capacity (t) | | Rated liting capacity (t) |
| 84° | 3.0 | 3.3 | 5.5 | 2.3 | 7.6 | 1.7 | 8.6 | 1.05 | 4.0 | 2.0 | 8.4 | 1.25 | 11.6 | 0.85 | 13.2 | 0.55 |
| 80° | 5.3 | 3.3 | 7.8 | 2.3 | 9.6 | 1.7 | 10.5 | 1.05 | 6.9 | 2.0 | 11.0 | 1.25 | 13.8 | 0.85 | 15.2 | 0.55 |
| 78° | 6.5 | 3.3 | 8.8 | 2.3 | 10.6 | 1.7 | 11.4 | 1.05 | 8.2 | 2.0 | 12.2 | 1.2 | 14.9 | 0.85 | 16.1 | 0.55 |
| 76° | 7.6 | 3.3 | 9.9 | 2.3 | 11.6 | 1.7 | 12.2 | 1.05 | 9.5 | 1.9 | 13.4 | 1.15 | 16.0 | 0.85 | 17.0 | 0.55 |
| 74° | 8.7 | 3.3 | 10.9 | 2.3 | 12.5 | 1.65 | 13.1 | 1.05 | 10.7 | 1.8 | 14.5 | 1.1 | 16.9 | 0.85 | 17.9 | 0.55 |
| 72° | 9.8 | 3.3 | 11.8 | 2.3 | 13.4 | 1.65 | 13.9 | 1.05 | 11.9 | 1.65 | 15.6 | 1.1 | 17.9 | 0.85 | 18.8 | 0.55 |
| 70° | 10.9 | 3.3 | 12.8 | 2.3 | 14.2 | 1.6 | 14.7 | 1.05 | 13.1 | 1.6 | 16.7 | 1.05 | 18.8 | 0.85 | 19.6 | 0.55 |
| 68° | 11.9 | 3.3 | 13.8 | 2.3 | 15.1 | 1.55 | 15.5 | 1.0 | 14.3 | 1.5 | 17.7 | 1.0 | 19.8 | 0.85 | 20.4 | 0.55 |
| 65° | 13.3 | 3.0 | 15.2 | 2.3 | 16.3 | 1.55 | 16.6 | 1.0 | 15.9 | 1.4 | 19.3 | 1.0 | 21.0 | 0.84 | 21.6 | 0.55 |
| 60° | 15.6 | 2.2 | 17.3 | 1.85 | 18.4 | 1.5 | 18.5 | 1.0 | 18.7 | 1.25 | 21.7 | 0.95 | 23.1 | 0.81 | 23.4 | 0.54 |
| 55° | 17.7 | 1.65 | 19.3 | 1.42 | 20.2 | 1.3 | | | 21.2 | 1.15 | 24.0 | 0.91 | 25.0 | 0.79 | | |
| 53° | 18.6 | 1.45 | 20.1 | 1.28 | 20.9 | 1.2 | | | 22.2 | 1.1 | 24.8 | 0.9 | 25.7 | 0.79 | | |
| 50° | 19.7 | 1.2 | 21.1 | 1.08 | 21.9 | 1.05 | | | 23.5 | 0.95 | 26.0 | 0.8 | 26.7 | 0.78 | | |
| 47° | 20.8 | 1.0 | 22.1 | 0.92 | 22.7 | 0.9 | | | 24.8 | 0.8 | 27.1 | 0.68 | 27.5 | 0.67 | | |
| 45° | 21.5 | 0.9 | 22.8 | 0.82 | 23.2 | 0.8 | | | 25.6 | 0.7 | 27.7 | 0.6 | 28.0 | 0.6 | | |
| 40° | 23.2 | 0.7 | 24.2 | 0.62 | | | | | 27.5 | 0.5 | 29.3 | 0.44 | | | | |
| 35° | 24.7 | 0.5 | 25.5 | 0.45 | | | | | 29.2 | 0.35 | 30.6 | 0.3 | | | | |
| 30° | 26.0 | 0.35 | 26.6 | 0.32 | | | | | | | | | | | | |
| A (°) | | 29 | -84 | | 44 | -84 | 59- | -84 | | 34 | -84 | | 44 | -84 | 59 | -84 |

A: boom angle range (with no load)

[JIB] (23.45-m boom)

| | | | | | | | L- | - 1 (| | , ,,,, v | | | | | | |
|---------------|--------------------------|----------------------------------|--------|----------------------------------|-------|----------------------------------|------|----------------------------------|------|---------------------------------|--------|----------------------------------|--------|----------------------------------|--------|---------------------------------|
| | | | | | OUT | RIGG | ER M | IDDLE | EXT | ENSI | DN (3. | .6 m) | | - (| Over s | ide - |
| Jib length | | 23 | 3.45-r | n boo | m + 8 | 3.0-m | jib | | | 23 | .45-m | boor | n + 1: | 3.0-m | jib | |
| Offset | | 5° | 2 | 5° | 4: | 5° | 6 | O° | | 5° | 2 | 5° | 4: | 5° | 60 |)° |
| Boom angle | | Rated lifting capacity (t) | | Rated lifting capacity (t) | | Rated litting capacity (t) | | Rated lifting capacity (t) | | Rated liting capacity (t) | | Rated litting capacity (t) | | Rated lifting capacity (t) | | Rated liting capacity (t) |
| 84° | 3.0 | 3.3 | 5.5 | 2.3 | 7.6 | 1.7 | 8.6 | 1.05 | 4.0 | 2.0 | 8.4 | 1.25 | 11.6 | 0.85 | 13.2 | 0.55 |
| 80° | 5.3 | 3.3 | 7.8 | 2.3 | 9.6 | 1.7 | 10.5 | 1.05 | 6.9 | 2.0 | 11.0 | 1.25 | 13.8 | 0.85 | 15.2 | 0.55 |
| 78° | 6.5 | 3.3 | 8.8 | 2.3 | 10.6 | 1.7 | 11.4 | 1.05 | 8.2 | 2.0 | 12.2 | 1.2 | 14.9 | 0.85 | 16.1 | 0.55 |
| 76° | 7.6 | 3.3 | 9.9 | 2.3 | 11.6 | 1.7 | 12.2 | 1.05 | 9.5 | 1.9 | 13.4 | 1.15 | 16.0 | 0.85 | 17.0 | 0.55 |
| 74° | 8.7 | 3.3 | 10.9 | 2.3 | 12.5 | 1.65 | 13.1 | 1.05 | 10.7 | 1.8 | 14.5 | 1.1 | 16.9 | 0.85 | 17.9 | 0.55 |
| 72° | 9.8 | 3.2 | 11.8 | 2.3 | 13.4 | 1.65 | 13.9 | 1.05 | 11.9 | 1.65 | 15.6 | 1.1 | 17.9 | 0.85 | 18.8 | 0.55 |
| 70° | 10.8 | 2.7 | 12.8 | 2.1 | 14.2 | 1.6 | 14.7 | 1.05 | 13.1 | 1.6 | 16.7 | 1.05 | 18.8 | 0.85 | 19.6 | 0.55 |
| 68° | 11.7 | 2.3 | 13.7 | 1.85 | 15.1 | 1.55 | 15.5 | 1.0 | 14.3 | 1.5 | 17.7 | 1.0 | 19.8 | 0.85 | 20.4 | 0.55 |
| 65° | 13.1 | 1.8 | 15.0 | 1.45 | 16.3 | 1.3 | 16.6 | 1.0 | 15.9 | 1.35 | 19.3 | 1.0 | 21.0 | 0.84 | 21.6 | 0.55 |
| 60° | 15.4 | 1.15 | 17.1 | 0.98 | 18.2 | 0.9 | 18.4 | 0.85 | 18.5 | 0.9 | 21.6 | 0.72 | 23.1 | 0.65 | 23.4 | 0.54 |
| 55° | 17.6 0.75 19.2 0.62 20.0 | | | | | | | | 20.9 | 0.55 | 23.8 | 0.45 | 24.9 | 0.42 | | |
| 53° | 18.4 | 0.62 | 19.9 | 0.52 | 20.7 | 0.5 | | | 21.9 | 0.45 | 24.6 | 0.35 | 25.6 | 0.35 | | |
| 50° | 19.6 | 0.45 | 21.0 | 0.37 | 21.6 | 0.35 | | | | | | | | | | |
| A (°) | | | 49 | -84 | | | 59 | -84 | | | 52 | -84 | | | 59 | -84 |

A: boom angle range (with no load)

Points to remember when using the outriggers

- 1. The rated lifting capacities are shown for when the crane is set horizontally on firm ground, and include the weight of the slings and main winch hook (220 kg) when working with the boom, and the weight of the slings and auxiliary winch hook (60 kg) when working with the jib. The values above the bold line are based on the crane strength while those below are based on the crane stability factor.
- The load radius is based on the actual figure including the boom deflection, so always use this as the standard when working with the boom.
- The jib rated lifting capacity is different when the boom length is 23.45 m or less and when it exceeds 23.45 m.
- Use the boom angle as the standard when working with the jib. The reference load radii shown are those when the jib is mounted to a 23.45-m and 30.5-m boom.
- The rated lifting capacity for the single top is the value obtained by subtracting 160 kg from the boom rated lifting capacity, and includes the weight of the slings and auxiliary winch hook (60 kg), but must not exceed 4.0 t.
- High-speed unwinding should only be used when only the hook is being lowered. Also, sudden lever operations should be avoided at this time.
- 7. The table below shows the hook wire rope standard number of parts of line for each boom length. However, when using other number of parts of line, the load per line should not exceed 3.6 t for the main winch or 4.0 t for the auxiliary winch.

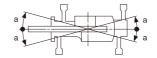
| Boom length | 9.35 m | 16.4 m | 23.45 m | 30.5 m | Jib, single top |
|-------------------------|--------|--------|---------|--------|-----------------|
| Number of parts of line | 8 | 6 | 4 | 4 | 1 |

- 8. It should be 1 part of line for the hook wire rope on the jib.
- 9. The over-side lifting capability depends on the extension width of the outriggers.

Perform work within the capability according to the extension width. Perform work within the capability according to the extension width.

The lifting capability for the front and rear areas is the rated lifting capacity of the "outrigger maximum extension", but the range (angle a) of the front and rear areas depends on the outrigger extension width.

| X-tvpe | 2.101 | Middle extension (6.1 m) | Middle extension (5.0 m) | Middle extension (3.6 m) | Minimum extension (3.1 m) |
|--------|----------|-----------------------------|-----------------------------|-----------------------------|------------------------------|
| ,, | Angle a° | 50 | 25 | 10 | 5 |
| H-type | 2.00 | Middle extension (6.1 m) | Middle extension (5.0 m) | Middle extension (3.6 m) | Minimum extension (2.3 m) |
| | Angle a° | 35 | 25 | 10 | 5 |



2 Not using outriggers

Unit: (t

| | | | | | | | | | | | | Offic. (t) |
|-------------|-------|------|--------|--------|-------|-------|-------|----------|-----------|---------|--------|------------|
| | | 1 | When s | topped | t | | Whe | en trave | eling (1. | .6 km/h | or slo | wer) |
| Boom length | 9.3 | 5 m | 16. | 4 m | 23.4 | 15 m | 9.3 | 5 m | 16. | 4 m | 23.4 | 15 m |
| Load radius | Front | 360° | Front | 360° | Front | 360° | Front | 360° | Front | 360° | Front | 360° |
| 3.0 m | 14.0 | 8.3 | 9.0 | 7.3 | | | 10.0 | 6.5 | 7.5 | 5.1 | | |
| 3.5 m | 14.0 | 6.8 | 9.0 | 7.3 | 6.5 | 4.5 | 10.0 | 5.2 | 7.5 | 5.1 | 5.5 | 3.2 |
| 4.0 m | 12.5 | 5.3 | 9.0 | 5.85 | 6.5 | 4.5 | 9.0 | 4.2 | 7.5 | 4.4 | 5.5 | 3.2 |
| 4.5 m | 10.9 | 4.3 | 9.0 | 4.75 | 6.5 | 4.5 | 8.2 | 3.4 | 7.5 | 3.7 | 5.5 | 3.2 |
| 5.0 m | 9.55 | 3.5 | 8.2 | 4.0 | 6.5 | 4.0 | 7.4 | 2.8 | 7.0 | 3.1 | 5.5 | 3.2 |
| 5.5 m | 8.3 | 2.8 | 7.4 | 3.3 | 6.1 | 3.4 | 6.7 | 2.4 | 6.2 | 2.7 | 5.15 | 2.8 |
| 6.0 m | 7.2 | 2.3 | 6.6 | 2.8 | 5.65 | 2.9 | 5.9 | 1.9 | 5.5 | 2.3 | 4.8 | 2.4 |
| 6.5 m | 6.25 | 1.8 | 5.9 | 2.35 | 5.25 | 2.5 | 5.1 | 1.5 | 4.9 | 1.9 | 4.45 | 2.05 |
| 7.0 m | | | 5.25 | 1.95 | 4.85 | 2.15 | | | 4.35 | 1.6 | 4.15 | 1.8 |
| 8.0 m | | | 4.1 | 1.4 | 4.1 | 1.6 | | | 3.4 | 1.1 | 3.5 | 1.4 |
| 9.0 m | | | 3.25 | 0.95 | 3.5 | 1.2 | | | 2.7 | 0.7 | 2.95 | 1.0 |
| 10.0 m | | | 2.6 | 0.6 | 3.0 | 0.85 | | | 2.15 | | 2.45 | 0.65 |
| 11.0 m | | | 2.1 | | 2.55 | 0.55 | | | 1.7 | | 2.05 | |
| 12.0 m | | | 1.7 | | 2.2 | | | | 1.35 | | 1.7 | |
| 13.0 m | | | 1.35 | | 1.85 | | | | 1.1 | | 1.45 | |
| 13.5 m | | | 1.15 | | 1.7 | | | | 1.0 | | 1.3 | |
| 14.0 m | | | | | 1.55 | | | | | | 1.2 | |
| 15.0 m | | | | | 1.3 | | | | | | 1.0 | |
| 16.0 m | | | | | 1.05 | | | | | | 0.85 | |
| 17.0 m | | | | | 0.85 | | | | | | 0.7 | |
| 18.0 m | | | | | 0.65 | | | | | | 0.55 | |
| 19.0 m | | | | | 0.5 | | | | | | | |
| A (°) | | 0-80 | | 42-80 | 25-80 | 56-80 | | 0-80 | | 48-80 | 30-80 | 59-80 |

A: boom angle range (with no load

2 Points to remember when not using the outriggers

- 1. The rated lifting capacities are shown for when the crane is set horizontally on firm ground, the tires are at the standard pressure (900 kPa (9.0 kgf/cm2)), the suspension cylinder is fully retracted, and include the weight of the slings and main winch hook (220 kg) when working with the boom. The values above the bold line are based on the crane strength while those below are based on the crane stability factor.
 - When performing actual work, use after considering the ground and operating conditions, etc.
- The load radius is based on the actual figure including the boom and tire deflection, so always use this as the standard.
- 3. The table below shows the hook wire rope standard number of parts of line for each boom length. However, when using other number of parts of line, the load per line should not exceed 3.6 t for the main winch or 4.0 t for the auxiliary winch.

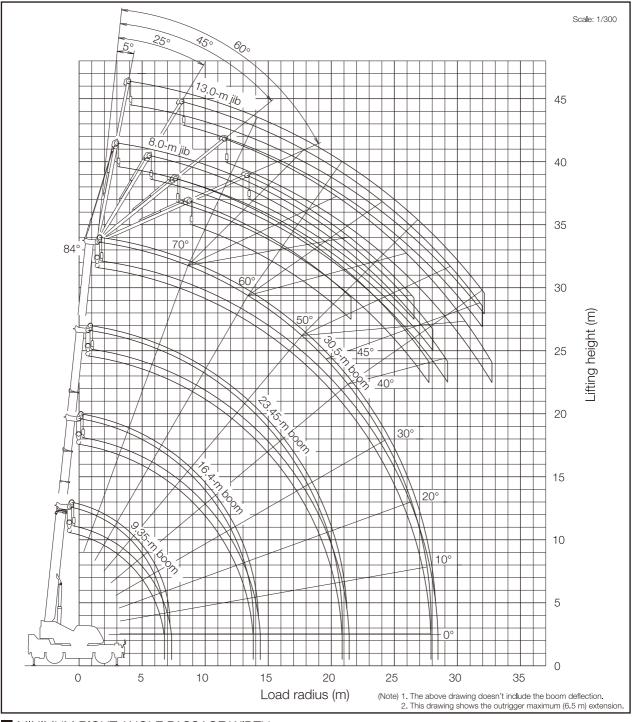
| Boom length | 9.35 m | 16.4 m | 23.45 m | Single top |
|-------------------------|--------|--------|---------|------------|
| Number of parts of line | 4 | 4 | 4 | 1 |

- 4. Do not perform high-speed unwinding with a boom longer than 23.45 m or a jib.
- 5. Only perform "front" crane operations while the AML "front position symbol" is lit. The front range is when the boom is within 2° (1° to either the left or right) of the front of the carrier.

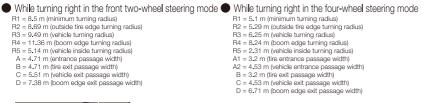


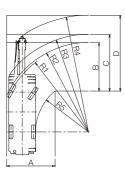
- The rated lifting capacity for the single top is the value obtained by subtracting 160 kg from the boom rated lifting capacity, and includes the weight of the slings and auxiliary winch hook (60 kg), but must not exceed 4.0 t.
- Perform pick and carry with the "drive select" switch set to "L/4D" and the shift lever set to first gear.
 Perform pick and carry with the slewing brake on, the load close to the ground so it will not swing, and at a speed of 1.6 km/h or lower. In particular, abrupt steering, starting or braking must be
- Do not perform crane operations while performing pick and carry.

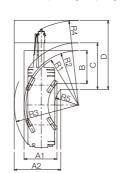
WORKING RANGE



■ MINIMUM RIGHT-ANGLE PASSAGE WIDTH



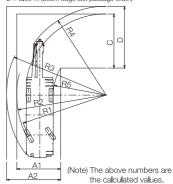




While turning right in the rear two-wheel steering mode

R1 = 8.5 m (minimum turning radius)
R2 = 8.69 m (outside tire edge turning radius)
R3 = 9.68 m (vehicle turning radius)
R4 = 8.63 m (boom edge turning radius)
R5 = 5.14 m (vehicle inside turning radius)
R5 = 5.14 m (vehicle passage width)
A2 = 5.27 m (vehicle entrance passage width)

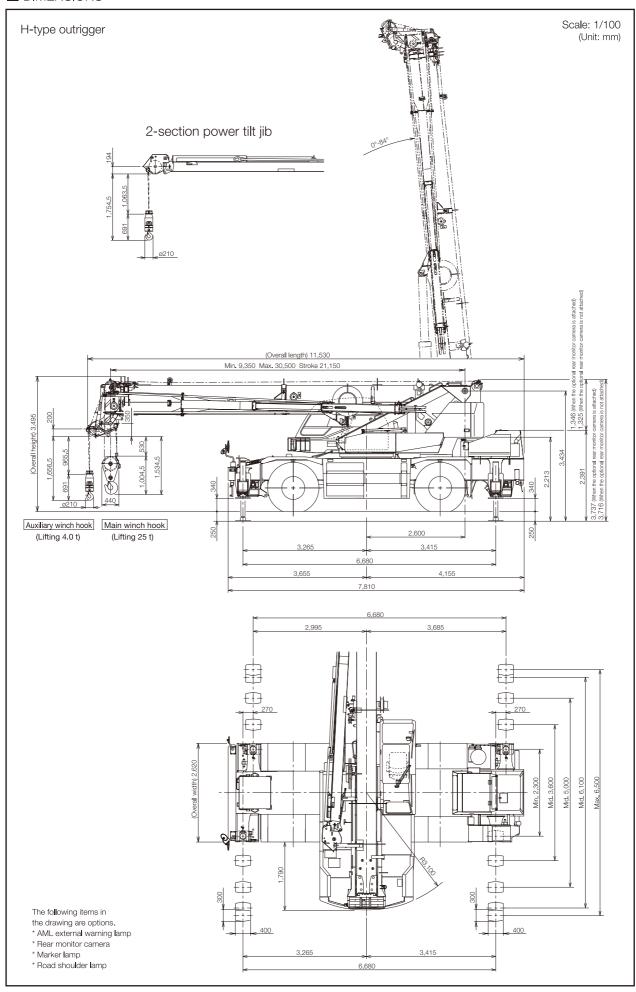
C = 5.27 m (vehicle exit passage width)
D = 6.00 m (boom edge exit passage width)



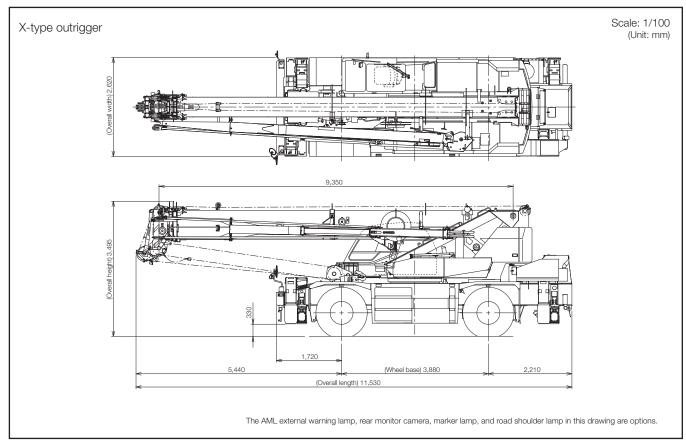


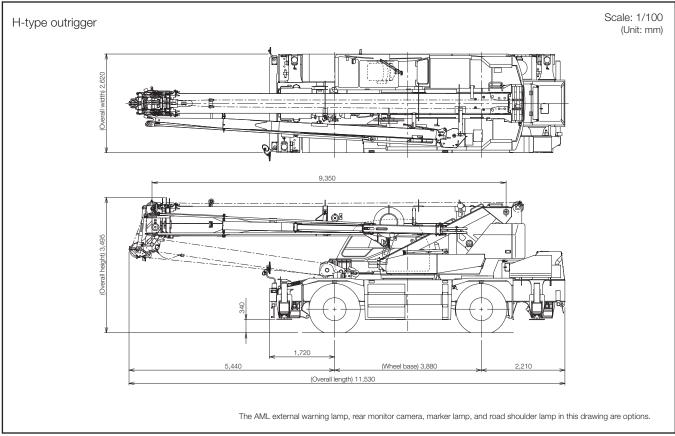
Scale: 1/100 X-type outrigger (Unit: mm) 2-section power tilt jib 1,754.5 ø210 (Overall length) 11,530 Min. 9,350 Max. 30,500 Stroke 21,150 (Overall height) 3,495 3,471 Auxiliary winch hook Main winch hook 2,600 287 (Lifting 4.0 t) (Lifting 25 t) 3,655 4,155 7,810 6,680 2,987.5 (Overall width) 2,620 Mid. 3,600 Mid. 6,100 The following items in the drawing are options. * AML external warning lamp * Rear monitor camera 3,272.5 3,407.5 * Marker lamp * Road shoulder lamp

DIMENSIONS



DIMENSIONS





• This model has received a "Basic running conditions - weight: A" certificate of conformance under the Newly Developed Vehicle Certificate System, but the actual running conditions will be decided based on the calculations of the road administrator for each route.

| Model name | Specifications | Specification no. |
|------------|--|-------------------|
| GR-250N | Lifting 25 t, 4-section boom, 2-section power tilt jib, X-type outrigger | GR-250N-3-00201 |
| GR-250N | Lifting 25 t, 4-section boom, 2-section power tilt jib, H-type outrigger | GR-250N-3-00202 |

Note: Due to improvements, the delivered product may have specifications different from these.

201503

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