

KATO**NEW SS-500^{SP}****ラフター
KR-50H***Special***SPECIFICATIONS**

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|------|----------------------------|
| TYPE | 50 ton ROUGH TERRAIN CRANE |
| NAME | KR-50H |

■CRANE SPECIFICATION

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|-----------------------------------|-----------------------------|---------------------------------------|
| MAX TOTAL RATED LOAD | 10.4m Boom | 50,000kg x 3.0m (12 part-line) |
| | 17.55m Boom | 28,000kg x 5.0m (7 part-line) |
| | 24.7m Boom | 20,000kg x 6.0m (5 part-line) |
| | 31.85m Boom | 14,000kg x 8.5m (4 part-line) |
| | 39.0m Boom | 7,600kg x 10.0m (4 part-line) |
| | 9.0m Jib | 3,500kg x 75° (1 part-line) |
| | 14.5m Jib | 2,400kg x 77° (1 part-line) |
| | Rooster Sheave | 4,500kg (1 part-line) |
| BOOM LENGTH | 10.4m ~ 39.0m | |
| JIB LENGTH | 9.0m ~ 14.5m | |
| MAX. RATED LIFTING HEIGHT | 40.0m (boom) 54.3m (jib) | |
| HOISTING LINE SPEED (WINCH UP) | MAIN WINCH | 134m/min (4th layer) |
| | AUXILIARY WINCH | 118m/min (2nd layer) |
| HOISTING HOOK SPEED (WINCH UP) | MAIN WINCH | (12 part-line) 11.2m/min. (4th layer) |
| | AUXILIARY WINCH | (1 part-line) 116.0m/min. (2nd layer) |
| BOOM DERRICKING ANGLE | 0° ~ 82° | |
| BOOM DERRICKING TIME | 0° ~ 82° / 50sec | |
| BOOM EXTENDING TIME | 10.4m ~ 39.0m / 113sec | |
| SLEWING SPEED | 2.1 rpm | |
| TAIL SLEWING RADIUS | 3,600m | |

●EQUIPMENT & STRUCTURE

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| BOOM TYPE | Box-shaped, 5-section hydraulically telescopic type (Boom section 2 / 3, 4 / 5 simultaneously operated) |
| JIB TYPE | 2 sections (2nd section of hydraulically telescopic type) (offset angles 5° ~ 45°) |
| BOOM EXTENSION / RETRACTION EQUIPMENT | Hydraulic cylinders (3), with wire rope |
| BOOM DERRICKING / LOWERING EQUIPMENT | Hydraulic cylinder type |
| WINCH SYSTEM MAIN & AUXILIARY WINCHES | 2 single winch driven by hydraulic motor and via spur gear reducer With free-fall device Automatic brake with foot brake With flow regulation valve with pressure compensation |

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|----------------------|--------------|----------|
| WHEEL BASE | | 4,900mm |
| TREAD | FRONT | 2,410mm |
| | REAR | 2,410mm |
| SEATING CAPACITY | | 2 |
| GROSS VEHICLE WEIGHT | GROSS WEIGHT | 37,990kg |
| | FRONT | 19,050kg |
| | REAR | 18,940kg |

- Stow the hooks in place before travelling.
- Before you use the machine, read the precautions in the instruction manual thoroughly to operate it correctly.
- KATO products and specifications are subject to improvements and changes without notice

■ CARRIER SPECIFICATION

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|------------------------|-----------------------|
| MAX. TRAVELLING SPEED | 49 km/h |
| GRADEABILITY | 0.57 (tan θ) |
| MINIMUM TURNING RADIUS | 10.4m (2 wheel drive) |
| | 6.2m (1 wheel drive) |

● ENGINE

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|---------------------|--|
| MODEL | Mitsubishi 6D22-TC |
| TYPE | 4-cylinder, 6-cylinders, water cooled direct-injection turbo charged diesel engine with intercooling |
| PISTON DISPLACEMENT | 11,14 $\frac{1}{2}$ cc |
| MAX. POWER | 320ps / 2,200rpm |
| MAX. TORQUE | 118kg-m / 1,400rpm |

● ENGINE & STRUCTURE

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|--------------------|---|---|
| DRIVE SYSTEM | 4-wheel drive (4x4) selection | |
| TORQUE CONVERTER | 3-element, 1-stage unit (with automatic lock-up mechanism) | |
| TRANSMISSION | Automatic and manual transmission 4 forward and 1 reverse speeds (with Hi / Low setting) | |
| NUMBER OF SPEEDS | Full floating type with 2-stage reduction device | |
| AXLES | FRONT | 2-line hydro-pneumatic disc brake (4 wheels) |
| | REAR | Mechanically operated, internal expanding shoe type |
| SUSPENSION | FRONT & REAR | Electro-pneumatic operated exhaust brake |
| BRAKE SYSTEM | SERVICE BRAKE | Coil spring, 4-link type (with hydraulic lock cylinder) |
| | PARKING BRAKE | Coil spring, 4-link type (with hydraulic lock cylinder) |
| | AUXILIARY BRAKE | Fully hydraulic power steering |
| STEERING | | With reverse steering correction mechanism |
| TYRE SIZE | FRONT | 505 / 95 R25 183E ROAD |
| | REAR | 505 / 95 R25 183E ROAD |
| FUEL TANK CAPACITY | | 300 liters |
| BATTERIES | | (12V - 150AH) X 2 |

● SAFETY DEVICES

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| | Emergency steering device, Steering wheel steering lock device, Over-hift prevention device, Brake oil leakage alarm, Engine over-run alarm |
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■ GENERAL DIMENSIONS

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|----------------|----------|
| OVERALL LENGTH | 12,600mm |
| OVERALL WIDTH | 3,000mm |
| OVERALL HEIGHT | 3,780mm |

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|-------------------------------|-----------------|--|
| SLEWING EQUIPMENT | | Hydraulic motor driven planetary gear reducer (with built-in negative brake) Swing free / lock changeover type |
| OUTRIGGERS | TYPE | Ball bearing type |
| | EXTENSION WIDTH | Fully extended width 7,400mm |
| | | Middle extended width 6,400mm |
| | | Middle extended width 5,400mm |
| | | Middle extended width 4,300mm |
| Fully retracted width 2,590mm | | |
| WIRE ROPE | Main Winch | SeS (4B) + 6 x WS(31) 18mm dia. X 220m |
| | Auxiliary Winch | 1WRC(x WS(29) 18mm dia. X 120m |
| •HYDRAULIC EQUIPMENT | | |
| HYDRAULIC PUMP | | 2 Variable plunger type, 2 gear pumps |
| HYDRAULIC MOTOR | HOISTING MOTOR | Axial plunger type |
| | SLEWING MOTOR | Axial plunger type |
| CONTROL VALVE | | Multiple automatic stabilization type (with Pressure compensation flow control valve) |
| CYLINDER | | High pressure double acting type |
| HYDRAULIC OIL TANK CAPACITY | | 650 liters |
| •SAFETY DEVICES | | |
| | | ACS Automatic moment limiter (with Voice alarm) Swing automatic stop device Outrigger extension width detector Free-fall interlock device Over-winding cutout device Winch drum lock Automatic brake device Outrigger lock device Angle meter Swing warning lamp Hydraulic oil over-heat alarm |
| •STANDARD EQUIPMENT | | |
| | | Air conditioner with dehumidifier AM / FM Radio with clock Oil Cooler |
| •OPERATOR'S CAB | | |
| | | Winch camera TV ACS External indication device Loudspeaker Door mirror |
| •OPTIONAL EQUIPMENT | | |
| | | Winch view camera, Hook for 70 / 48 ton, Slewing warning buzzer, Winch over unwinding device, Cab heater, Cab cooler, Fan, AM / FM Radio, Fire extinguisher, ACS outside indicator |

(Unit : metric ton)

| RADIUS (m) | WITH OUTRIGGERS 7.4M EXTENDED -360° WORKING AREA | | | | WITH OUTRIGGERS IN 6.4M POSITION - OVER THE SIDE | | | | WITH OUTRIGGERS IN 5.4M POSITION - OVER THE SIDE | | | | WITH OUTRIGGERS IN 4.3M POSITION - OVER THE SIDE | | | | WITH OUTRIGGERS IN 2.59M POSITION-OVER THE SIDE | | | | | | |
|---------------|---|--------|-------|--------|---|-------|--------|-------|---|-------|-------|--------|---|--------|-------|-------|---|-------|-------|------|-------|-------|-------|
| | BOOM LENGTH IN METRES | | | | BOOM LENGTH IN METRES | | | | BOOM LENGTH IN METRES | | | | BOOM LENGTH IN METRES | | | | BOOM LENGTH (M) | | | | | | |
| | 10.4M | 17.55M | 24.7M | 31.95M | 39.0M | 10.4M | 17.55M | 24.7M | 31.85M | 39.0M | 10.4M | 17.55M | 24.7M | 31.85M | 39.0M | 10.4M | 17.55M | 24.7M | | | | | |
| 1.0 | 30.00 | 28.00 | 20.00 | | | 50.00 | 28.00 | 20.00 | | | 45.00 | 28.00 | 21.00 | | | 33.00 | 28.00 | 20.00 | | | 16.00 | 12.00 | 11.00 |
| 3.2 | 45.00 | 28.00 | 20.00 | 14.00 | | 45.00 | 28.00 | 20.00 | 14.00 | | 43.30 | 28.00 | 21.00 | 14.00 | | 33.00 | 28.00 | 20.00 | 14.00 | | 16.00 | 12.00 | 11.00 |
| 3.5 | 41.00 | 28.00 | 20.00 | 14.00 | | 41.00 | 28.00 | 20.00 | 14.00 | | 41.00 | 28.00 | 21.00 | 14.00 | | 33.00 | 28.00 | 20.00 | 14.00 | | 16.00 | 12.00 | 11.00 |
| 4.0 | 37.00 | 28.00 | 20.00 | 14.00 | | 37.00 | 28.00 | 20.00 | 14.00 | | 37.00 | 28.00 | 21.00 | 14.00 | | 27.00 | 28.00 | 20.00 | 14.00 | | 12.60 | 12.00 | 11.00 |
| 5.0 | 33.50 | 28.00 | 20.00 | 14.00 | 7.60 | 33.50 | 28.00 | 20.00 | 14.00 | 7.60 | 33.50 | 28.00 | 21.00 | 14.00 | 7.60 | 22.00 | 23.00 | 20.00 | 14.00 | 7.60 | 10.40 | 9.90 | 9.50 |
| 5.5 | 30.20 | 28.00 | 20.00 | 14.00 | 7.60 | 30.20 | 28.00 | 20.00 | 14.00 | 7.60 | 30.20 | 28.00 | 21.00 | 14.00 | 7.60 | 18.50 | 19.00 | 17.00 | 14.00 | 7.60 | 8.70 | 8.30 | 8.10 |
| 5.5 | 27.50 | 26.10 | 20.00 | 14.00 | 7.60 | 27.50 | 26.10 | 20.00 | 14.00 | 7.60 | 25.30 | 24.20 | 21.00 | 14.00 | 7.60 | 15.80 | 16.00 | 14.90 | 14.00 | 7.60 | 7.30 | 6.90 | 6.30 |
| 6.0 | 25.00 | 24.40 | 20.00 | 13.00 | 7.60 | 25.00 | 24.40 | 20.00 | 14.00 | 7.60 | 21.15 | 20.85 | 11.25 | 14.00 | 7.60 | 13.50 | 13.50 | 12.90 | 12.70 | 7.60 | 6.30 | 5.90 | 5.75 |
| 6.5 | 22.70 | 22.40 | 18.70 | 14.00 | 7.60 | 22.70 | 22.40 | 18.70 | 13.50 | 7.60 | 17.90 | 17.60 | 11.40 | 14.00 | 7.60 | 11.80 | 11.50 | 11.30 | 11.50 | 7.60 | 5.40 | 5.00 | 4.85 |
| 7.0 | 20.70 | 20.60 | 17.60 | 13.50 | 7.60 | 20.70 | 20.60 | 17.60 | 13.00 | 7.60 | 15.45 | 15.15 | 11.60 | 13.50 | 7.60 | 10.30 | 10.00 | 9.80 | 10.40 | 7.60 | 4.60 | 4.30 | 4.15 |
| 7.5 | 18.90 | 18.60 | 16.00 | 13.00 | 7.60 | 18.20 | 18.60 | 13.00 | 13.00 | 7.60 | 13.15 | 13.05 | 13.00 | 7.60 | | 8.70 | 8.60 | 9.30 | 7.60 | | 3.65 | 3.65 | 3.60 |
| 8.0 | 17.50 | 15.60 | 12.50 | 7.60 | | 15.95 | 15.60 | 12.50 | 7.60 | | 11.55 | 11.45 | 11.90 | 7.60 | | 7.70 | 7.60 | 8.40 | 7.60 | | 3.10 | 3.00 | |
| 8.5 | 16.20 | 14.70 | 11.90 | 7.60 | | 14.10 | 14.00 | 11.90 | 7.60 | | 10.25 | 11.15 | 10.90 | 7.60 | | 6.75 | 6.75 | 7.50 | 7.60 | | 2.60 | 2.50 | |
| 9.0 | 15.00 | 13.90 | 11.30 | 7.60 | | 12.55 | 12.45 | 11.30 | 7.60 | | 9.10 | 10.00 | 9.95 | 7.60 | | 6.00 | 6.00 | 6.75 | 7.00 | | 2.20 | 2.10 | |
| 10.0 | 13.00 | 12.30 | 10.30 | 7.60 | | 10.15 | 10.00 | 10.30 | 7.60 | | 7.35 | 7.25 | 8.15 | 7.60 | | 4.80 | 4.75 | 5.50 | 5.90 | | 1.50 | 1.50 | 1.35 |
| 11.0 | 11.00 | 10.90 | 9.40 | 7.10 | | 8.35 | 8.20 | 9.00 | 7.10 | | 6.00 | 1.90 | 6.75 | 7.10 | | 3.85 | 3.75 | 4.50 | 4.90 | | | 0.90 | |
| 12.0 | 9.30 | 9.20 | 8.65 | 6.60 | | 6.55 | 6.85 | 7.75 | 6.60 | | 4.95 | 85 | 5.70 | 6.10 | | 3.05 | 2.90 | 3.70 | 4.15 | | | | |
| 13.0 | 7.90 | 7.75 | 8.60 | 6.15 | | 5.95 | 5.75 | 6.60 | 6.15 | | 4.10 | 0.00 | 4.80 | 5.25 | | 2.35 | 2.20 | 3.05 | 3.50 | | | | |
| 14.0 | 6.70 | 6.60 | 7.40 | 5.75 | | 5.00 | 4.85 | 5.65 | 5.75 | | 3.40 | 2.0 | 4.10 | 4.55 | | 1.75 | 1.60 | 2.50 | 2.95 | | | | |
| 15.0 | | 5.85 | 6.50 | 5.35 | | | 4.10 | 4.90 | 5.35 | | | 1.55 | 3.50 | 3.90 | | | 1.10 | 2.00 | 2.50 | | | | |
| 15.0 | | 4.90 | 5.70 | 5.30 | | | 3.35 | 4.25 | 4.70 | | | 0.95 | 2.90 | 3.40 | | | 0.65 | 1.50 | 2.05 | | | | |
| 16.0 | | 3.50 | 4.40 | 4.40 | | | 2.20 | 3.15 | 3.65 | | | 0.5 | 1.95 | 2.50 | | | 0.40 | 1.30 | | | | | |
| 19.0 | | 2.95 | 3.85 | 4.15 | | | 1.75 | 2.70 | 3.20 | | | 0.65 | 1.55 | 2.10 | | | | | 1.00 | | | | |
| 20.0 | | 2.50 | 3.35 | 3.30 | | | 1.35 | 2.25 | 2.80 | | | | 1.20 | 1.75 | | | | | 0.75 | | | | |
| 21.0 | | 2.05 | 2.95 | 3.50 | | | 1.00 | 1.90 | 2.40 | | | | 0.90 | 1.45 | | | | | | | | | |
| 22.0 | | | 2.55 | 3.10 | | | | 1.55 | 2.10 | | | | 0.65 | 1.15 | | | | | | | | | |
| 24.0 | | | 1.85 | 2.40 | | | | 1.00 | 1.50 | | | | 0.65 | 0.65 | | | | | | | | | |
| 26.0 | | | 1.30 | 1.85 | | | | 0.55 | 1.00 | | | | | | | | | | | | | | |
| 28.0 | | | 0.90 | 1.35 | | | | | 0.65 | | | | | | | | | | | | | | |
| 30.0 | | | | 0.95 | | | | | | | | | | | | | | | | | | | |
| 37.0 | | | | 0.65 | | | | | | | | | | | | | | | | | | | |
| 33.0 | | | | 0.50 | | | | | | | | | | | | | | | | | | | |
| C.B.A. | | | | | | | | 23 | 27 | | | | 37 | 45 | | | | 49 | 49 | 54 | | 58 | 60 |
| S.H.K. | 50t | | 22t | | | 50t | | 22t | | | 50t | | 22t | | | 50t | | 22t | | | 50t | | 22t |
| H.K.M. | 420kg | | 270kg | | | 420kg | | 270kg | | | 420kg | | 270kg | | | 420kg | | 270kg | | | 420kg | | 270kg |
| P.L. | 12 | 7 | 5 | 4 | 4 | 12 | 7 | 5 | 4 | 4 | 12 | 7 | 5 | 4 | 4 | 12 | 7 | 5 | 4 | 4 | 12 | 7 | 5 |

LEGON - C.B.A. - CRITICAL BOOM ANGLE

S.H.K. - STANDARD HOOK

H.K.M. - HOOK MASS

P.L. - PART LINES

39.0m Boom + 9.0m Jib

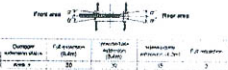
| Outrigger lift capacity chart | | | | | Outrigger lift capacity chart | | | | | Outrigger lift capacity chart | | | | | Outrigger lift capacity chart | | | | | |
|-------------------------------|----------------|----------------|----------------|----------------|-------------------------------|----------------|----------------|----------------|----------------|-------------------------------|----------------|----------------|----------------|----------------|-------------------------------|----------------|----------------|----------------|----------------|----------------|
| (7.4m) | | | | | (6.4m) | | | | | (5.4m) | | | | | (4.3m) | | | | | |
| Boom angle (°) | offset 25° | | offset 45° | | Boom angle (°) | offset 25° | | offset 45° | | Boom angle (°) | offset 25° | | offset 45° | | Boom angle (°) | offset 25° | | offset 45° | | |
| | max. lift (kg) | max. lift (kg) | max. lift (kg) | max. lift (kg) | | max. lift (kg) | max. lift (kg) | max. lift (kg) | max. lift (kg) | | max. lift (kg) | max. lift (kg) | max. lift (kg) | max. lift (kg) | | max. lift (kg) | max. lift (kg) | max. lift (kg) | max. lift (kg) | max. lift (kg) |
| 82.0 | 7.0 | 3.50 | 10.0 | 2.40 | 12.0 | 1.60 | 82.0 | 7.0 | 3.50 | 10.0 | 2.40 | 12.0 | 1.60 | 82.0 | 7.0 | 3.50 | 10.0 | 2.40 | 12.0 | 1.60 |
| 75.0 | 13.1 | 3.50 | 15.7 | 2.40 | 17.4 | 1.60 | 75.0 | 13.1 | 3.50 | 15.7 | 2.40 | 17.4 | 1.60 | 75.0 | 13.1 | 3.50 | 15.7 | 2.40 | 17.4 | 1.60 |
| 72.0 | 14.7 | 3.35 | 17.3 | 2.25 | 18.8 | 1.56 | 72.0 | 14.7 | 3.35 | 17.3 | 2.25 | 18.8 | 1.56 | 72.0 | 14.7 | 3.35 | 17.3 | 2.25 | 18.8 | 1.56 |
| 70.0 | 17.1 | 2.95 | 19.5 | 2.05 | 21.0 | 1.51 | 70.0 | 17.1 | 2.95 | 19.5 | 2.05 | 21.0 | 1.51 | 70.0 | 17.1 | 2.95 | 19.5 | 2.05 | 21.0 | 1.51 |
| 66.0 | 20.3 | 2.45 | 22.5 | 1.85 | 23.0 | 1.45 | 66.0 | 20.3 | 2.45 | 22.5 | 1.85 | 23.0 | 1.45 | 66.0 | 18.1 | 1.40 | 20.7 | 1.08 | 22.1 | 1.00 |
| 64.0 | 21.5 | 2.35 | 23.0 | 1.75 | 23.2 | 1.41 | 64.0 | 21.5 | 2.35 | 23.0 | 1.75 | 23.2 | 1.41 | 64.0 | 16.5 | 1.35 | 22.0 | 0.97 | 22.4 | 0.98 |
| 62.0 | 24.7 | 1.82 | 26.7 | 1.55 | 27.7 | 1.34 | 62.0 | 23.1 | 1.85 | 25.2 | 1.65 | 26.4 | 1.38 | 62.0 | 14.0 | 1.25 | 20.2 | 0.95 | 21.8 | 0.95 |
| 60.0 | 26.1 | 1.70 | 28.6 | 1.43 | 29.5 | 1.29 | 60.0 | 26.1 | 1.67 | 28.1 | 1.50 | 27.0 | 1.35 | 60.0 | 13.0 | 1.15 | 19.2 | 0.92 | 21.4 | 0.92 |
| 55.0 | 27.0 | 1.40 | 29.8 | 1.30 | 30.7 | 1.25 | 57.0 | 28.2 | 1.02 | 28.3 | 0.96 | 29.2 | 0.80 | 57.0 | 12.0 | 1.05 | 18.0 | 0.85 | 20.0 | 0.80 |
| 52.0 | 26.5 | 1.05 | 31.5 | 0.95 | 32.1 | 0.90 | 53.0 | 28.5 | 0.55 | 30.5 | 0.45 | 31.4 | 0.40 | 53.0 | 11.5 | 0.95 | 17.5 | 0.80 | 19.5 | 0.75 |
| 50.0 | 30.8 | 0.85 | 32.6 | 0.75 | 33.1 | 0.70 | 50.0 | 29.0 | 0.45 | | | | | 50.0 | 11.0 | 0.85 | 17.0 | 0.75 | 19.0 | 0.70 |
| 45.0 | 33.6 | 0.40 | 35.1 | 0.35 | 35.4 | 0.35 | 45.0 | 33.6 | 0.40 | | | | | 45.0 | 10.5 | 0.40 | 16.5 | 0.40 | 18.5 | 0.35 |
| 40.0 | 43.0 | | 43.0 | | 43.0 | | 40.0 | 43.0 | | | | | | 40.0 | 10.0 | | 16.0 | | 18.0 | |

39.0m Boom + 14.5 Jib

| Outrigger lift capacity chart | | | | | Outrigger lift capacity chart | | | | | Outrigger lift capacity chart | | | | | Outrigger lift capacity chart | | | | | |
|-------------------------------|----------------|----------------|----------------|----------------|-------------------------------|----------------|----------------|----------------|----------------|-------------------------------|----------------|----------------|----------------|----------------|-------------------------------|----------------|----------------|----------------|----------------|----------------|
| (7.4m) | | | | | (6.4m) | | | | | (5.4m) | | | | | (4.3m) | | | | | |
| Boom angle (°) | offset 25° | | offset 45° | | Boom angle (°) | offset 25° | | offset 45° | | Boom angle (°) | offset 25° | | offset 45° | | Boom angle (°) | offset 25° | | offset 45° | | |
| | max. lift (kg) | max. lift (kg) | max. lift (kg) | max. lift (kg) | | max. lift (kg) | max. lift (kg) | max. lift (kg) | max. lift (kg) | | max. lift (kg) | max. lift (kg) | max. lift (kg) | max. lift (kg) | | max. lift (kg) | max. lift (kg) | max. lift (kg) | max. lift (kg) | max. lift (kg) |
| 82.0 | 3.5 | 2.40 | 13.0 | 1.40 | 16.5 | 0.50 | 82.0 | 3.5 | 2.40 | 13.0 | 1.40 | 16.5 | 0.50 | 82.0 | 3.5 | 2.40 | 13.0 | 1.40 | 16.5 | 0.50 |
| 78.0 | 12.3 | 2.40 | 18.5 | 1.40 | 19.8 | 0.90 | 78.0 | 12.3 | 2.40 | 16.5 | 1.40 | 19.8 | 0.90 | 78.0 | 12.3 | 2.40 | 16.5 | 1.40 | 19.8 | 0.90 |
| 72.0 | 13.2 | 2.40 | 17.4 | 1.38 | 20.4 | 0.90 | 72.0 | 13.2 | 2.40 | 17.4 | 1.38 | 20.4 | 0.90 | 72.0 | 13.2 | 2.40 | 17.4 | 1.38 | 20.4 | 0.90 |
| 70.0 | 15.1 | 2.30 | 19.2 | 1.20 | 21.0 | 0.90 | 70.0 | 15.1 | 2.30 | 19.2 | 1.20 | 21.0 | 0.90 | 70.0 | 15.1 | 2.30 | 19.2 | 1.20 | 21.0 | 0.90 |
| 70.0 | 16.6 | 2.15 | 20.8 | 1.20 | 20.8 | 0.87 | 70.0 | 16.6 | 2.15 | 20.8 | 1.20 | 20.8 | 0.87 | 70.0 | 16.6 | 2.15 | 20.8 | 1.20 | 20.8 | 0.87 |
| 67.0 | 18.6 | 1.95 | 22.4 | 1.15 | 21.9 | 0.84 | 67.0 | 18.6 | 1.95 | 22.4 | 1.15 | 21.9 | 0.84 | 67.0 | 18.6 | 1.95 | 22.4 | 1.15 | 21.9 | 0.84 |
| 65.0 | 22.0 | 1.82 | 24.1 | 1.10 | 22.6 | 0.79 | 65.0 | 22.0 | 1.82 | 24.1 | 1.10 | 22.6 | 0.79 | 65.0 | 22.0 | 1.82 | 24.1 | 1.10 | 22.6 | 0.79 |
| 63.0 | 26.0 | 1.40 | 31.2 | 0.98 | 33.0 | 0.76 | 63.0 | 26.0 | 1.48 | 26.7 | 1.02 | 31.0 | 0.77 | 63.0 | 23.0 | 1.40 | 28.7 | 1.03 | 29.9 | 0.80 |
| 60.0 | 31.0 | 1.25 | 33.8 | 0.90 | 35.3 | 0.74 | 60.0 | 31.0 | 1.15 | 31.2 | 0.93 | 33.0 | 0.78 | 60.0 | 24.5 | 1.15 | 28.7 | 0.85 | 30.3 | 0.78 |
| 55.0 | 33.1 | 0.92 | 36.9 | 0.85 | 37.1 | 0.73 | 55.0 | 33.0 | 0.88 | 32.4 | 0.78 | 34.1 | 0.75 | 55.0 | 27.0 | 0.95 | 30.7 | 0.85 | 32.6 | 0.40 |
| 50.0 | 35.0 | 0.65 | 37.7 | 0.55 | 38.6 | 0.53 | 50.0 | 31.3 | 0.55 | 34.2 | 0.48 | 35.7 | 0.45 | 50.0 | 28.0 | 0.45 | | | | |
| 47.0 | 36.8 | 0.40 | 39.2 | 0.35 | 40.0 | 0.35 | 47.0 | 36.8 | 0.40 | | | | | 47.0 | 28.0 | 0.45 | | | | |
| 40.0 | 45.0 | | 45.0 | | 45.0 | | 40.0 | 45.0 | | | | | | 40.0 | 28.0 | | | | | |

When the outriggers are used

- The lifting capacity charts are based on the jib stowed on the boom side.
- The lifting capacity chart indicates the maximum load which can be lifted by the crane provided it is level and standing on firm level ground. The values in the chart include the mass of the main hook and slings for boom operation, and auxiliary hook and slings for jib operation. (80 ton hook mass: 423kg). 22ton hook mass: 270kg). 4.5 ton hook mass: 120kg]. Within the chart the figures in the oval represent with a thick line are based on structural limitations while other figures are determined by stability limitations.
- The working radii are the actual values allowing for boom and jib deflection. Therefore you must always operate the crane on the basis of the working radius.
- The jib working radius is based on the jib mounted on the end of the 39.0m boom. When operating at other boom lengths, use the boom angle arcs as the criterion.
- Do not operate the jib when the outriggers are completely retracted.
- The lifting capacities for the over side vary with the outrigger extension width. Therefore for each outrigger extension condition you should work according to the lifting capacity chart. Use the front area lifting capacity chart for the front area lifting capacity and the lifting capacity chart of outrigger full extension for the rear area lifting capacity.
- The lifting capacity of the rock: shaver is the lifting capacity of the boom minus the mass of all attached hook, slings etc. In the boom, with an upper limit of 4.8 kg.
- The hook for use with the rock shaver is the 4.5ton hook (mass: 105kg) with one part of tie.]
- If the boom length, boom angle jib length, jib angle and/or working radius exceeds the radii values, use the lifting capacity for the next value or for the next one, whichever gives the smaller lifting capacity.
- If you are working with the hook while the jib is retracted, subtract 2.8 ton from the each lifting capacity of the boom.
- In whatever working conditions the corresponding boom critical angle is shown in the chart. The crane can tip over if the boom is lowered below the critical angle even if unbraked. Therefore, never lower the boom below these angles.
- If you work with 16 parts of tie on the hook with "1" marked in the lifting capacity chart, use the rooster shaver and shaver bracket.
- The standard pins of tie for each boom length are as indicated in the chart. If you work with a non-standard number of parts of the tie, do not exceed 45 t/m (4.8 t/m) per wire rope respectively.
- Crane operation is permissible up to a wind speed of 10m/s. Even in relatively light wind conditions, extra care should be taken when handling loads by assembling large wind catching areas.



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|-------------------------|----|----|----|----|----|
| Outrigger extension (m) | 30 | 30 | 30 | 30 | 30 |
| max. lift (kg) | 43 | 43 | 43 | 43 | 43 |

