

**ZOOMLION**

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websiteen.zoomlion.com

# ZRT850



**ZOOMLION**

**40**  
PRODUCTS

**85**  
t

Max. capacity

**12.1-47**  
m

Max. boom length

**65.7**  
m

Max. tip height

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## FEATURES



The ZRT850 features a 5-section, U-shaped ,47m telescopic boom.It’s telescoping system consists of a two-stage hydraulic cylinder with a rope extension mechanism.  
Its innovative new boom head and end structure ,with optimized boom connections provide with stronger load-bearing capacities.  
2<sup>nd</sup> generation of arbitrary telescoping technology enables more stable telescoping and greatly enhances its anti-rollover performance.



We chose the AXLE-TECH brand axle because it offers the most reliable product on the market ,all wheel and crab steering ensure easy handling and high manoeuverability in constricted conditions.



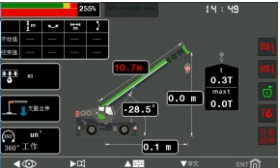
Full-vision operator cab is designed for maximum comfort and ease of operation.



A 6-speed powershift transmission from DANA offers the latest technology for the diverse needs of off-road cranes.



The ZRT cranes from ZOOMLION are powered by US-CUMMINS diesel engine which meets Tire-III emissions regulations. The engine develops 194kw and supplies a maximum torque of 990N.



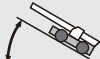
The crane’s work is secured by the WIDE MSC670 LMI(Load Moment limiter ),delivers the industry’s most reliable electronic monitoring system available (HIRSCHMANN as option) .

### STANDARD EQUIPMENT

- Formed boom
- Offsettable jib 0° -15° -30°
- Auxiliary winch
- Cameras
- Auxiliary lifting sheave
- 70ton hook block, with 6 sheaves and hook latch
- 6 ton hook ball ,with hook latch
- Rotation-resistant wire rope
- Deluxe tiltable seat
- Air conditioner/Heater
- Work light package : boom, cab and suprestructure
- Revolving amber light
- AM/FM radio
- Battery disconnect switch
- Front and rear lift lugs

### ANSI & CE Standard

KEY/SYMBOLS

|                                                                                     |                                              |    |                                                                                       |                                    |    |
|-------------------------------------------------------------------------------------|----------------------------------------------|----|---------------------------------------------------------------------------------------|------------------------------------|----|
|    | Engine                                       | p4 |    | Transmission                       | p6 |
|    | Axles                                        | p4 |    | Cameras                            | p6 |
|    | Steering                                     | p4 |    | Brakes                             | p6 |
|    | Gradeability                                 | p4 |    | Main boom                          | p6 |
|    | Tires and wheels                             | p4 |    | Hook ball                          | p6 |
|    | Outrigger system<br>(100%, 50%, 0% extended) | p4 |    | Hook block                         | p6 |
|    | Swing                                        | p5 |    | Main and auxiliary winches         | p6 |
|    | Hydraulic system                             | p5 |    | Crane with counterweight           | p7 |
|    | Counterweight                                | p5 |    | Side-stowed jib                    | p7 |
|  | Operator cab                                 | p5 |  | Distance from the hook to the head | p7 |
|  | Max. boom length<br>with jib ext.            | p5 |  | Tip height                         | p7 |
|  | Load Moment<br>Indicator(LMI)                | p5 |  | Working radius                     | p7 |

TECHNICAL DESCRIPTION



ENGINE

CUMMINS QSB6.7.....Inline 6 cylinder intercooled turbo diesel.  
Kilowatts KW.....194 @ 2400 rpm.  
Peak torque Nm.....990@1500rpm.

300 liter fuel tank capacity  
USA Federal EPA / California ARB / European EU / Tier III emission rating.



AXLES

AXLE-TECH front and rear steering axles with planetary reduction.  
Front - Rigid mount.  
Rear - Full-floating rear axle. Automatic rear axle oscillating lock occurs when superstructure.  
is swung 10° from centerline in either direction.



STEERING

Power steering with four independent modes:  
Front Wheel  
Rear-Wheel  
All-Wheel  
Crab



GRADEABILITY

75% max.gradeability.



TIRES AND WHEELS

29.5-25-34PR rating, earthmoving-style tires, Steel disc wheel.



OUTRIGGER SYSTEM

Four independent horizontal beams and vertical jacks with integral holding valves, each independently controlled form the operator cab.

100%-Fully extended outriggers  
Footprint.....53.87sq.m

50%-Mid position outriggers  
Footprint .....37.64sq.m

0%-Fully retracted outriggers  
Footprint.....21.4sq.m

Outrigger span.....Length 7.38m, Width 7.3m

TECHNICAL DESCRIPTION



SWING

Bi-directional hydraulic swing drive with multi-disc wet brake and planetary reduction gearbox. Spring-applied hydraulically released swing brake and 360° pneumatic positive swing lock. Max. swing speed: .....2rpm.



HYDRAULIC SYSTEM

Gear pump for main and auxiliary winches, boom hoist and telescope cylinders.  
Gear pump for steering.  
Gear pump for outriggers and slewing.  
1000 liter hydraulic reservoir with external sight and temperature gauge.

Easily accessible (10 micron) cartridge-style full-flow filters with bypass protection.  
Max. operating pressure: .....31.5 Mpa.



COUNTERWEIGHT

Single 8800kg fixed counterweight.  
Length .....3000mm  
Width .....1042mm  
Heigth .....510mm



OPERATOR CAB

full-vision operator cab designed for maximum comfort. All steel fabrication with acoustical lining and safety glass throughout. The cab has a sliding door on the left and a sliding window on the right with a swing-up skylight with retractable shade and wiper motor. Fully adjustable deluxe seat with tilt.Foot controls for boom telescope, service brake and engine throttle, Tilt steering.

Temperature control is provided by a hydraulically driven air conditioning unit. Easy view dashboard with gauges for all engine sensors and rocker switch outrigger controls. Standard amenities also include bubble level, dome light, left-side rearview mirror, seat belt, trave swing lock and signal horn.



MAX. BOOM LENGTH WITH JIB EXTENSION

2 stage swing around boom extention swing around type withtriple offset (tilt type).  
Single sheave at jib head.  
Stows alongside base boom section.  
Length ..... 9.5m, 16 m  
Offset..... 0°, 15°, 30°  
Max.tip height with 9.5m+6.5m fixed jib is 65.7m.



LOAD MOMENT INDICATOR (LMI)

WIDE MCS-670 LMI control system.Microguard graphic display load moment and anti-two block system with audiovisual warning and function limiter.

System displays the following information: crane configuration, boom length, boom angle, load radius, allowed capacity, actual load, and load percentage of allowed capacity.

System includes setttable work parameters: min./max. boom length, min./max. boom angle, defined swing area.



TRANSMISSION

Dana powershift transmission – 6 speeds forward and 3 speeds reverse.  
Front axle disconnection offering both 4x4 and 4x2 operation.  
Max. speed .....36km/hr .



CAMERAS

The crane comes equipped with two cameras-a winch camera for viewing hoist operation and a rear camera for viewing the rear of the crane.The monitor is located in the cab and one can easily toggle between both camera views.



MAIN BOOM

5 section U-shape full power partially synchronized telescoping boom of round box construction with 6 sheaves at boom head.The synchronization system consists of 2 telescope cylinder,extension cables and retraction cables. Hydraulic cylinder fitted with holding valve. 2 easily removable wire rope guards, rope dead end provided on both sides of boom head.  
Full extended boom length .....47m  
Full retracted boom length .....12.1m  
Max.tip height,main boom .....49.8m  
Boom angle range(min./max.).....2° /+80°  
Boom rasing/lowering time.....46sec/105sec  
Boom extension/retraction time.....120sec/130sec



BRAKES

470 millimeters (18.5 in) diameter disc brakes on all wheels hydraulically operated.



HOOK BLOCK AND HOOK BALL

85 ton,6 sheave(steel).....optional  
Hook block weight.....620kg  
70 ton,6 sheave(steel),.....standard  
Hook block weight.....589kg  
60 ton,6 sheave(steel).....optional  
Hook block weight.....563kg  
35 ton,3 sheave(steel).....optional  
Hook block weight.....380kg  
6.5 ton ball hook.....standard  
Ball hook weight.....150kg

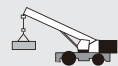


MAIN AND AUXILIARY WINCHES

Standard two speed main and auxiliary hoists, each with planetary reduction and spring applied multi-disc wet brake.  
Each hoist features  
Grooved drum lagging.  
Hoist drum cable followers.  
Max. permissible line pull: ..... 6500kg.  
Winch speed: ..... 0-130m/min .  
Power up / power down  
Electronic drum rotation indicators.

Rope construction: ..... 20mm rotation-resistant compacted strand.

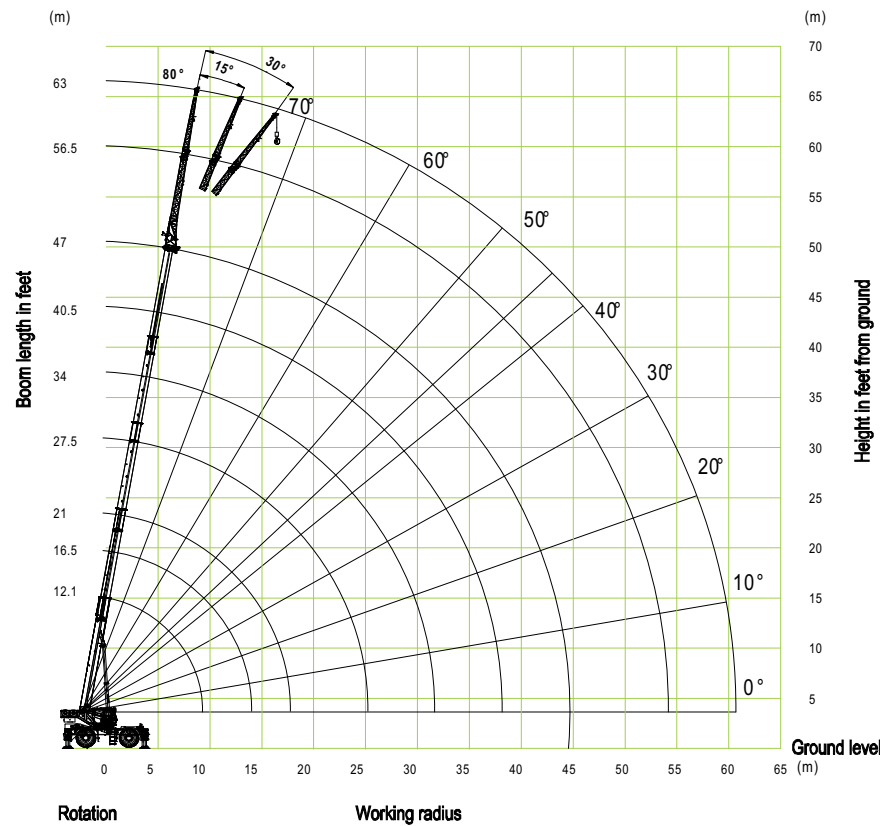
CRANE AND COMPONENT WEIGHTS

| CRANE OPERATING WEIGHTS                                                                            |                      |                 |                |
|----------------------------------------------------------------------------------------------------|----------------------|-----------------|----------------|
|                                                                                                    | GROSS Vehicle Weight | Front Axle Load | Rear Axle Load |
|  CRANE WITH CTWT. | Kg                   | Kg              | Kg             |
|                                                                                                    | 52000                | 27000           | 25000          |

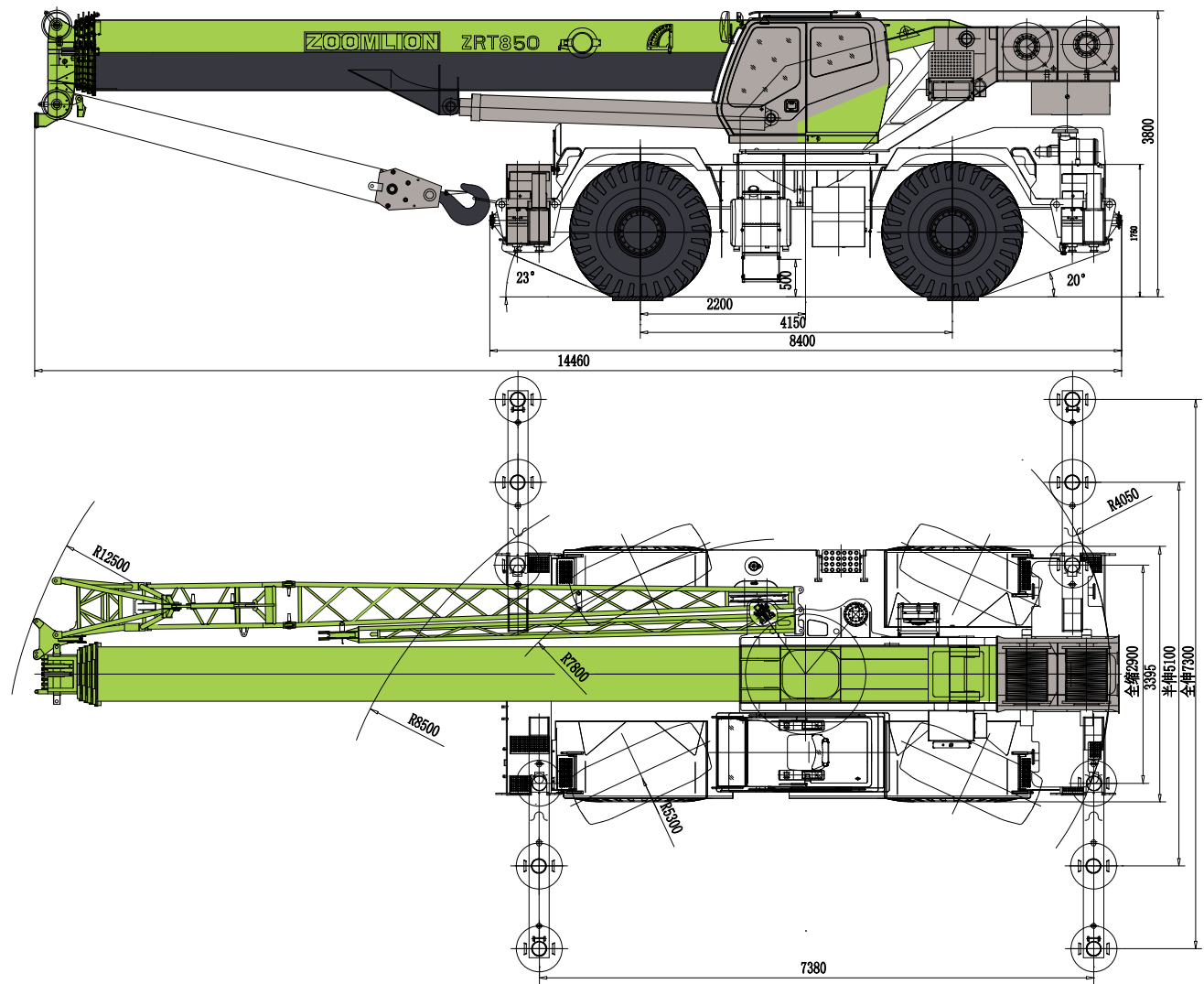
| DEDUCTIONS FOR LOAD HANDLING |                                                                                              |                                                                                                  |                                                                                                              |                                                                                                     |
|------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|                              |  JIB STOWED |  AXUE LARY HEAD |  6 Sheave 70-ton hook block |  6.5-ton ball hook |
| Kg                           | 840                                                                                          | 41.59                                                                                            | 589                                                                                                          | 150                                                                                                 |

|                                 |        |
|---------------------------------|--------|
| Front WHEEL(4 x2)STEERING       | METRIC |
| WALL TO WALL OVER CARRIER       | 11.6m  |
| ALL WHEEL(4 x4)STEERING         | METRIC |
| WALL TO WALL OVER CARRIER       | 7.0m   |
| TAIL SWING                      | METRIC |
| WALL TO WALL OVER BOOM ATTACHED | 4.05m  |

WORKING RANGE DIAGRM



CRANE DIMENSIONS



LIFTING CAPACITY TABLES

| Telescoping cylinder I fully extended & outrigger beams fully extended            |             |       |       |       |       |                |       |
|-----------------------------------------------------------------------------------|-------------|-------|-------|-------|-------|----------------|-------|
|  | 8800kg.ctwt |       |       | 75%   |       | 360° (UNIT:KG) |       |
| Working Radius (mm)                                                               | 12100       | 16500 | 21000 | 27500 | 34000 | 40500          | 47000 |
| 3000                                                                              | 85000       | 55000 |       |       |       |                |       |
| 3500                                                                              | 70000       | 53000 | 43500 |       |       |                |       |
| 4000                                                                              | 61500       | 52000 | 43500 |       |       |                |       |
| 4500                                                                              | 55000       | 49000 | 42000 | 31000 |       |                |       |
| 5000                                                                              | 51000       | 46000 | 41000 | 31000 |       |                |       |
| 5500                                                                              | 48000       | 44000 | 39000 | 30000 |       |                |       |
| 6000                                                                              | 45000       | 41000 | 37000 | 29000 | 23000 |                |       |
| 7000                                                                              | 37000       | 36000 | 33000 | 27000 | 22000 |                |       |
| 8000                                                                              | 31000       | 30000 | 27000 | 24500 | 20000 | 16500          |       |
| 9000                                                                              | 22000       | 24000 | 24000 | 22000 | 19000 | 15500          |       |
| 10000                                                                             |             | 19700 | 19200 | 18500 | 17200 | 14500          | 11500 |
| 11000                                                                             |             | 16200 | 15900 | 16000 | 16000 | 13500          | 11000 |
| 12000                                                                             |             | 13500 | 13000 | 14600 | 14000 | 12500          | 10000 |
| 14000                                                                             |             | 9600  | 9500  | 10700 | 11500 | 10600          | 9000  |
| 16000                                                                             |             |       |       | 8000  | 9000  | 8400           | 8000  |
| 18000                                                                             |             |       |       | 6300  | 7200  | 7500           | 7000  |
| 20000                                                                             |             |       |       | 4800  | 5600  | 6000           | 6100  |
| 22000                                                                             |             |       |       | 3700  | 4500  | 5000           | 5200  |
| 24000                                                                             |             |       |       | 2800  | 3500  | 4000           | 4300  |
| 26000                                                                             |             |       |       |       | 2800  | 3200           | 3500  |
| 28000                                                                             |             |       |       |       | 2100  | 2500           | 2900  |
| 30000                                                                             |             |       |       |       | 1600  | 2000           | 2300  |
| 32000                                                                             |             |       |       |       |       | 1500           | 1800  |
| 34000                                                                             |             |       |       |       |       | 1100           | 1400  |
| I                                                                                 | 0           | 4400  | 8900  | 8900  | 8900  | 8900           | 8900  |
| II                                                                                | 0           | 0     | 0     | 6500  | 13000 | 19500          | 26000 |
| Reeving                                                                           | 12          | 10    | 8     | 6     | 5     | 4              | 3     |
| Hook                                                                              | 70t         |       |       |       |       |                |       |

| Telescoping cylinder I half extended & outrigger beams fully extended               |             |       |       |       |       |                |  |
|-------------------------------------------------------------------------------------|-------------|-------|-------|-------|-------|----------------|--|
|  | 8800kg.ctwt |       |       | 75%   |       | 360° (UNIT:KG) |  |
| Working Radius (mm)                                                                 | 12100       | 16500 | 23000 | 29500 | 36000 | 42500          |  |
| 3000                                                                                | 85000       | 55000 |       |       |       |                |  |
| 3500                                                                                | 70000       | 53000 | 31000 |       |       |                |  |
| 4000                                                                                | 61500       | 52000 | 31000 |       |       |                |  |
| 4500                                                                                | 55000       | 49000 | 31000 |       |       |                |  |
| 5000                                                                                | 51000       | 46000 | 31000 | 23000 |       |                |  |
| 5500                                                                                | 48000       | 44000 | 30000 | 23000 |       |                |  |
| 6000                                                                                | 45000       | 41000 | 29000 | 23000 |       |                |  |
| 7000                                                                                | 37000       | 36000 | 27000 | 22000 | 16500 |                |  |
| 8000                                                                                | 31000       | 30000 | 26000 | 21000 | 16500 | 12000          |  |
| 9000                                                                                | 22000       | 24000 | 24500 | 19500 | 15500 | 11500          |  |
| 10000                                                                               |             | 19700 | 20000 | 19000 | 14500 | 11500          |  |
| 11000                                                                               |             | 16200 | 17500 | 17100 | 13500 | 11000          |  |
| 12000                                                                               |             | 13500 | 14800 | 14600 | 12500 | 10500          |  |
| 14000                                                                               |             | 9600  | 10700 | 11000 | 10600 | 9300           |  |
| 16000                                                                               |             |       | 8000  | 8600  | 9100  | 8100           |  |
| 18000                                                                               |             |       | 6200  | 6800  | 7300  | 7300           |  |
| 20000                                                                               |             |       |       | 5400  | 5900  | 6300           |  |
| 22000                                                                               |             |       |       | 4400  | 4800  | 5500           |  |
| 24000                                                                               |             |       |       | 3500  | 4000  | 4500           |  |
| 26000                                                                               |             |       |       |       | 3200  | 3800           |  |
| 28000                                                                               |             |       |       |       | 2600  | 3100           |  |
| 30000                                                                               |             |       |       |       | 2100  | 2600           |  |
| 32000                                                                               |             |       |       |       |       | 2100           |  |
| 34000                                                                               |             |       |       |       |       | 1700           |  |
| I                                                                                   | 0           | 4400  | 4400  | 4400  | 4400  | 4400           |  |
| II                                                                                  | 0           | 0     | 6500  | 13000 | 19500 | 26000          |  |
| Reeving                                                                             | 12          | 10    | 6     | 6     | 4     | 3              |  |
| Hook                                                                                | 70t         |       |       |       |       |                |  |

LIFTING CAPACITY TABLES

| Telescoping cylinder I fully retracted & outrigger beams fully extended             |             |       |       |                |       |  |
|-------------------------------------------------------------------------------------|-------------|-------|-------|----------------|-------|--|
|  | 8800kg.ctwt |       | 75%   | 360° (UNIT:KG) |       |  |
| Working Radius (mm)                                                                 | 12100       | 18600 | 25100 | 31600          | 38100 |  |
| 3000                                                                                | 85000       | 31000 |       |                |       |  |
| 3500                                                                                | 70000       | 31000 |       |                |       |  |
| 4000                                                                                | 61500       | 31000 | 23000 |                |       |  |
| 4500                                                                                | 55000       | 31000 | 23000 |                |       |  |
| 5000                                                                                | 51000       | 31000 | 23000 |                |       |  |
| 5500                                                                                | 48000       | 30000 | 23000 | 16500          |       |  |
| 6000                                                                                | 45000       | 29000 | 23000 | 16500          |       |  |
| 7000                                                                                | 37000       | 27000 | 22000 | 16000          | 12500 |  |
| 8000                                                                                | 31000       | 26000 | 21000 | 14500          | 12000 |  |
| 9000                                                                                | 22000       | 24000 | 19500 | 13500          | 11500 |  |
| 10000                                                                               |             | 20000 | 18000 | 12500          | 11500 |  |
| 11000                                                                               |             | 16800 | 17100 | 11500          | 10500 |  |
| 12000                                                                               |             | 14300 | 15200 | 10700          | 9700  |  |
| 14000                                                                               |             | 10800 | 11600 | 9300           | 8400  |  |
| 16000                                                                               |             |       | 9100  | 8200           | 7300  |  |
| 18000                                                                               |             |       | 7300  | 7300           | 6400  |  |
| 20000                                                                               |             |       | 6000  | 6400           | 5800  |  |
| 22000                                                                               |             |       |       | 5300           | 5200  |  |
| 24000                                                                               |             |       |       | 4400           | 4600  |  |
| 26000                                                                               |             |       |       | 3700           | 4000  |  |
| 28000                                                                               |             |       |       |                | 3300  |  |
| 30000                                                                               |             |       |       |                | 2800  |  |
| 32000                                                                               |             |       |       |                | 2300  |  |
| 34000                                                                               |             |       |       |                |       |  |
| I                                                                                   | 0           | 0     | 0     | 0              | 0     |  |
| II                                                                                  | 0           | 6500  | 13000 | 19500          | 26000 |  |
| Reeving                                                                             | 12          | 10    | 8     | 4              | 3     |  |
| Hook                                                                                | 70t         |       |       |                |       |  |

| Telescoping cylinder I fully extended & outrigger beams half extended               |             |       |       |       |       |                |       |
|-------------------------------------------------------------------------------------|-------------|-------|-------|-------|-------|----------------|-------|
|  | 8800kg.ctwt |       |       | 75%   |       | 360° (UNIT:KG) |       |
| Working Radius (mm)                                                                 | 12100       | 16500 | 21000 | 27500 | 34000 | 40500          | 47000 |
| 3000                                                                                | 85000       | 52000 |       |       |       |                |       |
| 3500                                                                                | 70000       | 50000 | 42000 |       |       |                |       |
| 4000                                                                                | 61500       | 48000 | 40000 |       |       |                |       |
| 4500                                                                                | 55000       | 42000 | 37000 | 31000 |       |                |       |
| 5000                                                                                | 51000       | 41000 | 34000 | 31000 |       |                |       |
| 5500                                                                                | 34000       | 33500 | 31500 | 30000 |       |                |       |
| 6000                                                                                | 28000       | 28000 | 25000 | 26000 | 23000 |                |       |
| 7000                                                                                | 21000       | 20000 | 19500 | 21000 | 21500 |                |       |
| 8000                                                                                | 16000       | 15500 | 15000 | 16700 | 17500 | 16500          |       |
| 9000                                                                                | 12000       | 12000 | 11500 | 13200 | 14200 | 15000          |       |
| 10000                                                                               |             | 9500  | 9300  | 10700 | 11500 | 12200          | 11500 |
| 11000                                                                               |             | 7700  | 7500  | 8700  | 9500  | 10200          | 10500 |
| 12000                                                                               |             | 6200  | 6000  | 7200  | 8000  | 8600           | 9000  |
| 14000                                                                               |             |       | 3800  | 5000  | 5700  | 6200           | 6600  |
| 16000                                                                               |             |       |       | 3400  | 4100  | 4600           | 5000  |
| 18000                                                                               |             |       |       | 2300  | 3000  | 3400           | 3800  |
| 20000                                                                               |             |       |       | 1400  | 2000  | 2500           | 2800  |
| 22000                                                                               |             |       |       |       | 1300  | 1800           | 2100  |
| 24000                                                                               |             |       |       |       |       | 1200           | 1500  |
| 26000                                                                               |             |       |       |       |       |                | 1000  |
| 28000                                                                               |             |       |       |       |       |                |       |
| 30000                                                                               |             |       |       |       |       |                |       |
| 32000                                                                               |             |       |       |       |       |                |       |
| 34000                                                                               |             |       |       |       |       |                |       |
| I                                                                                   | 0           | 4400  | 8900  | 8900  | 8900  | 8900           | 8900  |
| II                                                                                  | 0           | 0     | 0     | 6500  | 13000 | 19500          | 26000 |
| Reeving                                                                             | 12          | 10    | 8     | 6     | 5     | 4              | 3     |
| Hook                                                                                | 70t         |       |       |       |       |                |       |

LIFTING CAPACITY TABLES

| Telescoping cylinder I half extended & outrigger beams half extended              |             |       |       |       |                |       |
|-----------------------------------------------------------------------------------|-------------|-------|-------|-------|----------------|-------|
|  | 8800kg.ctwt |       | 75%   |       | 360° (UNIT:KG) |       |
| Working Radius (mm)                                                               | 12100       | 16500 | 23000 | 29500 | 36000          | 42500 |
| 3000                                                                              | 62000       | 52000 |       |       |                |       |
| 3500                                                                              | 52000       | 48000 | 31000 |       |                |       |
| 4000                                                                              | 45000       | 43000 | 31000 |       |                |       |
| 4500                                                                              | 40000       | 38000 | 31000 |       |                |       |
| 5000                                                                              | 38000       | 36000 | 31000 | 23000 |                |       |
| 5500                                                                              | 34000       | 33500 | 30000 | 23000 |                |       |
| 6000                                                                              | 28000       | 27500 | 26000 | 23000 |                |       |
| 7000                                                                              | 21000       | 20000 | 22000 | 22500 | 16500          |       |
| 8000                                                                              | 16000       | 15500 | 17200 | 18200 | 16000          | 12000 |
| 9000                                                                              | 12000       | 12000 | 13700 | 14600 | 15000          | 11500 |
| 10000                                                                             |             | 9500  | 11200 | 12000 | 12600          | 11500 |
| 11000                                                                             |             | 7700  | 9200  | 10000 | 10500          | 11000 |
| 12000                                                                             |             | 6200  | 7700  | 8500  | 9000           | 9500  |
| 14000                                                                             |             |       | 5500  | 6200  | 6700           | 7100  |
| 16000                                                                             |             |       | 3800  | 4600  | 5000           | 5400  |
| 18000                                                                             |             |       | 2600  | 3300  | 3800           | 4100  |
| 20000                                                                             |             |       |       | 2400  | 2900           | 3200  |
| 22000                                                                             |             |       |       | 1600  | 2100           | 2400  |
| 24000                                                                             |             |       |       |       | 1500           | 1800  |
| 26000                                                                             |             |       |       |       | 1000           | 1300  |
| 28000                                                                             |             |       |       |       |                | 1000  |
| 30000                                                                             |             |       |       |       |                |       |
| 32000                                                                             |             |       |       |       |                |       |
| 34000                                                                             |             |       |       |       |                |       |
| I                                                                                 | 0           | 4400  | 4400  | 4400  | 4400           | 4400  |
| II                                                                                | 0           | 0     | 6500  | 13000 | 19500          | 26000 |
| Reeving                                                                           | 12          | 10    | 6     | 6     | 4              | 3     |
| Hook                                                                              | 70t         |       |       |       |                |       |

| Telescoping cylinder I fully retracted & outrigger beams half extended              |       |             |       |       |                |
|-------------------------------------------------------------------------------------|-------|-------------|-------|-------|----------------|
|  |       | 8800kg.ctwt |       | 75%   | 360° (UNIT:KG) |
| Working Radius (mm)                                                                 | 12100 | 18600       | 25100 | 31600 | 38100          |
| 3000                                                                                | 62000 | 31000       |       |       |                |
| 3500                                                                                | 52000 | 31000       |       |       |                |
| 4000                                                                                | 45000 | 31000       | 23000 |       |                |
| 4500                                                                                | 40000 | 31000       | 23000 |       |                |
| 5000                                                                                | 38000 | 31000       | 23000 |       |                |
| 5500                                                                                | 34000 | 30000       | 23000 | 16500 |                |
| 6000                                                                                | 28000 | 29000       | 23000 | 16500 |                |
| 7000                                                                                | 21000 | 23000       | 22500 | 16500 | 12500          |
| 8000                                                                                | 16000 | 18000       | 19000 | 14500 | 12000          |
| 9000                                                                                | 12000 | 14500       | 15300 | 13200 | 11500          |
| 10000                                                                               |       | 11800       | 12600 | 12300 | 11500          |
| 11000                                                                               |       | 9800        | 10500 | 11000 | 10500          |
| 12000                                                                               |       | 8300        | 9000  | 9600  | 9300           |
| 14000                                                                               |       | 6000        | 6700  | 7200  | 7500           |
| 16000                                                                               |       |             | 5100  | 5500  | 5800           |
| 18000                                                                               |       |             | 3900  | 4300  | 4500           |
| 20000                                                                               |       |             | 2900  | 3300  | 3600           |
| 22000                                                                               |       |             |       | 2600  | 2800           |
| 24000                                                                               |       |             |       | 2000  | 2200           |
| 26000                                                                               |       |             |       | 1400  | 1700           |
| 28000                                                                               |       |             |       |       | 1300           |
| 30000                                                                               |       |             |       |       | 1000           |
| 32000                                                                               |       |             |       |       |                |
| 34000                                                                               |       |             |       |       |                |
| I                                                                                   | 0     | 0           | 0     | 0     | 0              |
| II                                                                                  | 0     | 6500        | 13000 | 19500 | 26000          |
| Reeving                                                                             | 12    | 10          | 8     | 4     | 3              |
| Hook                                                                                | 70t   |             |       |       |                |

LIFTING CAPACITY TABLES

| Telescoping cylinder I fully extended & outrigger beams fully retracted             |             |       |       |       |       |                |       |
|-------------------------------------------------------------------------------------|-------------|-------|-------|-------|-------|----------------|-------|
|  | 8800kg.ctwt |       |       | 75%   |       | 360° (UNIT:KG) |       |
| Working Radius (mm)                                                                 | 12100       | 16500 | 21000 | 27500 | 34000 | 40500          | 47000 |
| 3000                                                                                | 45000       | 42000 |       |       |       |                |       |
| 3500                                                                                | 35000       | 32000 | 30000 |       |       |                |       |
| 4000                                                                                | 28000       | 27000 | 25100 | 25000 |       |                |       |
| 4500                                                                                | 22500       | 21000 | 20000 | 21200 |       |                |       |
| 5000                                                                                | 17600       | 17000 | 17300 | 18200 |       |                |       |
| 5500                                                                                | 15000       | 14500 | 14400 | 15400 | 16000 |                |       |
| 6000                                                                                | 12500       | 12000 | 11900 | 12900 | 13500 |                |       |
| 7000                                                                                | 10000       | 9500  | 9800  | 10000 | 10800 | 11400          |       |
| 8000                                                                                | 8000        | 7800  | 7500  | 8100  | 8600  | 9300           |       |
| 9000                                                                                | 6200        | 5900  | 5400  | 6400  | 6800  | 7700           | 8000  |
| 10000                                                                               |             | 4400  | 4000  | 5000  | 5300  | 6000           | 6600  |
| 11000                                                                               |             | 3200  | 3100  | 4200  | 4800  | 5200           | 5500  |
| 12000                                                                               |             | 2300  | 2200  | 3300  | 3700  | 4300           | 4700  |
| 14000                                                                               |             | 1000  | 900   | 2000  | 2300  | 3100           | 3300  |
| 16000                                                                               |             |       |       | 1000  | 1500  | 2000           | 2200  |
| 18000                                                                               |             |       |       |       |       | 1200           | 1500  |
| 20000                                                                               |             |       |       |       |       |                | 1000  |
| 22000                                                                               |             |       |       |       |       |                |       |
| 24000                                                                               |             |       |       |       |       |                |       |
| 26000                                                                               |             |       |       |       |       |                |       |
| 28000                                                                               |             |       |       |       |       |                |       |
| 30000                                                                               |             |       |       |       |       |                |       |
| 32000                                                                               |             |       |       |       |       |                |       |
| 34000                                                                               |             |       |       |       |       |                |       |
| I                                                                                   | 0           | 4400  | 8900  | 8900  | 8900  | 8900           | 8900  |
| II                                                                                  | 0           | 0     | 0     | 6500  | 13000 | 19500          | 26000 |
| Reeving                                                                             | 12          | 10    | 8     | 6     | 5     | 4              | 3     |
| Hook                                                                                | 70t         |       |       |       |       |                |       |

| Telescoping cylinder I half extended & outrigger beams fully retracted              |             |       |       |       |                |       |
|-------------------------------------------------------------------------------------|-------------|-------|-------|-------|----------------|-------|
|  | 8800kg.ctwt |       | 75%   |       | 360° (UNIT:KG) |       |
| Working Radius (mm)                                                                 | 12100       | 16500 | 23000 | 29500 | 36000          | 42500 |
| 3000                                                                                | 45000       | 42000 |       |       |                |       |
| 3500                                                                                | 35000       | 32000 | 32000 |       |                |       |
| 4000                                                                                | 28000       | 27000 | 27000 |       |                |       |
| 4500                                                                                | 22500       | 21000 | 21500 | 21000 |                |       |
| 5000                                                                                | 17600       | 17000 | 19000 | 19000 |                |       |
| 5500                                                                                | 15000       | 14500 | 16000 | 16300 |                |       |
| 6000                                                                                | 12500       | 12000 | 13700 | 14500 | 14500          |       |
| 7000                                                                                | 10000       | 9500  | 10000 | 10400 | 10800          |       |
| 8000                                                                                | 8000        | 7800  | 8500  | 9200  | 9600           | 10000 |
| 9000                                                                                | 6200        | 5900  | 6600  | 7300  | 7800           | 8200  |
| 10000                                                                               |             | 4400  | 5500  | 5800  | 6500           | 7000  |
| 11000                                                                               |             | 3200  | 4500  | 5000  | 5300           | 5500  |
| 12000                                                                               |             | 2300  | 3500  | 4100  | 4500           | 4600  |
| 14000                                                                               |             | 1000  | 2000  | 2800  | 3000           | 3300  |
| 16000                                                                               |             |       | 1200  | 1700  | 2100           | 2500  |
| 18000                                                                               |             |       |       | 1200  | 1400           | 1700  |
| 20000                                                                               |             |       |       |       | 1000           | 1200  |
| 22000                                                                               |             |       |       |       |                |       |
| 24000                                                                               |             |       |       |       |                |       |
| 26000                                                                               |             |       |       |       |                |       |
| 28000                                                                               |             |       |       |       |                |       |
| 30000                                                                               |             |       |       |       |                |       |
| 32000                                                                               |             |       |       |       |                |       |
| 34000                                                                               |             |       |       |       |                |       |
| I                                                                                   | 0           | 4400  | 4400  | 4400  | 4400           | 4400  |
| II                                                                                  | 0           | 0     | 6500  | 13000 | 19500          | 26000 |
| Reeving                                                                             | 12          | 10    | 6     | 6     | 4              | 3     |
| Hook                                                                                | 70t         |       |       |       |                |       |

LIFTING CAPACITY TABLES

| Telescoping cylinder   fully retracted & outrigger beams fully retracted                                                                                             |       |       |       |       |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|
| <div><div></div><div>8800kg.ctwt</div><div>75%</div><div>360° (UNIT:KG)</div></div> |       |       |       |       |       |
| Working Radius (mm)                                                                                                                                                  | 12100 | 18600 | 25100 | 31600 | 38100 |
| 3000                                                                                                                                                                 | 45000 | 31000 |       |       |       |
| 3500                                                                                                                                                                 | 35000 | 31000 | 23000 |       |       |
| 4000                                                                                                                                                                 | 28000 | 28200 | 22500 |       |       |
| 4500                                                                                                                                                                 | 22500 | 23500 | 22000 |       |       |
| 5000                                                                                                                                                                 | 17600 | 19600 | 20000 |       |       |
| 5500                                                                                                                                                                 | 15000 | 17000 | 18200 | 16500 |       |
| 6000                                                                                                                                                                 | 12500 | 14000 | 15300 | 15500 |       |
| 7000                                                                                                                                                                 | 10000 | 10600 | 11500 | 12200 | 12500 |
| 8000                                                                                                                                                                 | 8000  | 8700  | 8800  | 9100  | 10000 |
| 9000                                                                                                                                                                 | 6200  | 7100  | 7900  | 8300  | 8700  |
| 10000                                                                                                                                                                |       | 6200  | 6700  | 7000  | 7100  |
| 11000                                                                                                                                                                |       | 5100  | 5500  | 5700  | 5900  |
| 12000                                                                                                                                                                |       | 4200  | 4700  | 4900  | 5000  |
| 14000                                                                                                                                                                |       | 2800  | 3200  | 3600  | 3800  |
| 16000                                                                                                                                                                |       |       | 2300  | 2700  | 3000  |
| 18000                                                                                                                                                                |       |       | 1600  | 2000  | 2100  |
| 20000                                                                                                                                                                |       |       | 1100  | 1300  | 1600  |
| 22000                                                                                                                                                                |       |       |       |       | 1000  |
| 24000                                                                                                                                                                |       |       |       |       |       |
| 26000                                                                                                                                                                |       |       |       |       |       |
| 28000                                                                                                                                                                |       |       |       |       |       |
| 30000                                                                                                                                                                |       |       |       |       |       |
| 32000                                                                                                                                                                |       |       |       |       |       |
| 34000                                                                                                                                                                |       |       |       |       |       |
| I                                                                                                                                                                    | 0     | 0     | 0     | 0     | 0     |
| II                                                                                                                                                                   | 0     | 6500  | 13000 | 19500 | 26000 |
| Reeving                                                                                                                                                              | 12    | 10    | 8     | 4     | 3     |
| Hook                                                                                                                                                                 | 70t   |       |       |       |       |

LIFTING CAPACITY TABLES

| Lifting on tires                                                                                                                                                  |       |                       |            |       |                       |            |       |                       |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------|------------|-------|-----------------------|------------|-------|-----------------------|------------|
| <div><div></div><div>8800kg.ctwt</div><div>75%</div><div>(UNIT:KG)</div></div> |       |                       |            |       |                       |            |       |                       |            |
| Main boom (mm)                                                                                                                                                    | 12100 |                       |            | 18600 |                       |            | 25100 |                       |            |
| Working Radius (mm)                                                                                                                                               | 360°  | Stationary over front | Pick&carry | 360°  | Stationary over front | Pick&carry | 360°  | Stationary over front | Pick&carry |
| 3000                                                                                                                                                              | 20000 | 29500                 | 18500      | 19300 | 27000                 | 18000      |       |                       |            |
| 3500                                                                                                                                                              | 17100 | 26000                 | 16000      | 16800 | 25500                 | 16000      |       |                       |            |
| 4000                                                                                                                                                              | 15000 | 23300                 | 14500      | 14500 | 22900                 | 14000      | 14000 | 21500                 | 14200      |
| 4500                                                                                                                                                              | 12300 | 20700                 | 13000      | 12600 | 20400                 | 12400      | 12000 | 20000                 | 12800      |
| 5000                                                                                                                                                              | 10400 | 19300                 | 11500      | 11000 | 18600                 | 11100      | 11200 | 18600                 | 11200      |
| 5500                                                                                                                                                              | 9100  | 17200                 | 10300      | 9700  | 17000                 | 10000      | 10500 | 16800                 | 10000      |
| 6000                                                                                                                                                              | 8200  | 15800                 | 9400       | 8800  | 14600                 | 9100       | 9300  | 15400                 | 8800       |
| 7000                                                                                                                                                              | 5800  | 11000                 | 7700       | 6600  | 12500                 | 7300       | 7600  | 13000                 | 7700       |
| 8000                                                                                                                                                              | 3700  | 8600                  | 6200       | 5300  | 9300                  | 5700       | 5800  | 10100                 | 5900       |
| 9000                                                                                                                                                              | 2600  | 5500                  | 4300       | 4100  | 8000                  | 4500       | 4500  | 8700                  | 4600       |
| 10000                                                                                                                                                             |       |                       |            | 3000  | 6200                  | 3900       | 3500  | 6900                  | 4100       |
| 11000                                                                                                                                                             |       |                       |            | 2100  | 4900                  | 3100       | 2600  | 5600                  | 3400       |
| 12000                                                                                                                                                             |       |                       |            | 1600  | 3800                  | 2500       | 2200  | 4400                  | 2600       |
| 14000                                                                                                                                                             |       |                       |            |       | 2200                  | 1400       | 1000  | 2800                  | 1700       |
| 16000                                                                                                                                                             |       |                       |            |       |                       |            |       | 1600                  | 1000       |