

The Zoomlion logo consists of the word "ZOOMLION" in a bold, dark blue, sans-serif font. It is positioned on a light blue rectangular background that has a diagonal cut on its right side, creating a trapezoidal shape.

ZOOMLION ZTC800V TRUCK CRANE

# **TECHNICAL SPECIFICATIONS**

**GQ0631272700203EN**

**Zoomlion Heavy Industry Science & Technology Co.,Ltd.**

# ZOOMLION ZTC800V TRUCK CRANE

## TECHNICAL SPECIFICATIONS

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### 1 Product characteristics

ZOOMLION ZTC800V532.1 truck crane, which integrates Zoomlion's years of experience in designing and manufacturing mobile cranes with advanced technology, is a new generation of high-performance product developed to meet the oversea market demands. Its performances, such as lifting height, boom length, working speed and lifting capacity, have achieved advanced international level.

This product is a truck crane of full range slewing function, telescopic boom sections and pilot-operated proportional controlled systems. The crane adopts self-manufactured full-width 4-axle special purpose chassis (8×4 drive, offering convenient and flexible hydraulically powered steering), providing wide vision, spacious cab and luxurious equipment.

The latest pilot-operated proportional directional control valve, variable pump and gear pump system ensure that each executive mechanism makes full use of its working capability. The easy-controlled, flexible, reliable and stepless speed regulated joysticks (L / R) can provide the crane with smooth simultaneous movements between "Spool winches up", "Reel winches off", "Derricking", "Slewing" and "Telescope boom in / out", which greatly improve the crane's working efficiency. The safety devices such as relief valve, balance valve, hydraulic lock and brake valve fitted in hydraulic system prevent the accidents caused by oil line overload and oil pipe ruptures.

The complete lighting systems and the safety devices such as load moment limiter ensure your safety during operation and are convenient for night work.

### 2 Specifications, complete vehicle

#### 2.1 Product model

Model in engineering industry: ZTC800V

Product code: ZTC800V532.1

## 2.2 Technical data

| Item                |                                               | Value               | Remarks                                                     |
|---------------------|-----------------------------------------------|---------------------|-------------------------------------------------------------|
| Working performance | Max. rated lifting capacity kg                | 80000               |                                                             |
|                     | Max. load moment of basic boom kN.m           | 2646                |                                                             |
|                     | Max. load moment of max. length boom kN.m     | 1323                |                                                             |
|                     | Max. lifting height of basic boom m           | 13.9                |                                                             |
|                     | Max. lifting height of boom m                 | 49.8                | These parameters do not include deflection of boom and jib. |
|                     | Max. lifting height of jib m                  | 65.8                |                                                             |
| Working speeds      | Max. hoist rope speed (main winch) m/min      | 125                 | Drum 4 <sup>th</sup> layer                                  |
|                     | Max. hoist rope speed (auxiliary winch) m/min | 110                 | Drum 2 <sup>nd</sup> layer                                  |
|                     | Boom derricking up time s                     | 55                  |                                                             |
|                     | Boom telescoping out time s                   | 130                 |                                                             |
|                     | Slewing speed r/min                           | 0 - 1.7             |                                                             |
| Driving             | Max. driving speed km/h                       | 85                  |                                                             |
|                     | Max. gradeability %                           | 46                  |                                                             |
|                     | Min. turning diameter m                       | ≤24                 |                                                             |
|                     | Min. ground clearance mm                      | 305                 |                                                             |
|                     | Fuel consumption per hundred kilometers L     | 45                  |                                                             |
| Mass                | Deadweight in driving condition kg            | 46000               |                                                             |
|                     | Complete vehicle kerb mass kg                 | 45805               |                                                             |
|                     | Front axle load kg                            | 20000               |                                                             |
|                     | Rear axle load kg                             | 26000               |                                                             |
| Dimensions          | Overall dimensions (L×W×H) mm                 | 14850×2800×3870     |                                                             |
|                     | Longitudinal distance between outriggers m    | 6.05                |                                                             |
|                     | Transversal distance between outriggers m     | Fully extended: 7.8 |                                                             |
|                     | Tail slewing radius mm                        | 4200                |                                                             |
|                     | Boom length m                                 | 12.6-49.0           |                                                             |
|                     | Boom angle °                                  | -2 - 80             |                                                             |
|                     | Jib length m                                  | 9.5, 16.0           |                                                             |
|                     | Jib angle °                                   | 0, 15, 30           |                                                             |

### 2.3 Rated capacity chart

This crane is provided various rated capacity charts. The operator should select proper rated lifting load referring to resp. lifting capacity tables according to actual working conditions. For details, please refer to Table 2-1 to Table 2-14.

The values in column "I" refer to the extendable length of telescopic cylinder I.

The values in column "II" refer to 3 times extendable length of telescopic cylinder II, namely, the total extendable length of boom section 3, 4 and 5.

The working condition marked with asterisk (\*) indicates over sides and rear working area:

1. When  $60t < \text{rated load} \leq 70t$ , a 70t hook should be used;
2. When  $70t < \text{rated load} \leq 80t$ , a 80t hook should be used, the reeving number is 13, and an additional device should be installed.

Table 2-1 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                                        |       |       |       |       |       |       |       |       |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY EXTENDED, outriggers fully extended, over side or rear working area, 7.5t fixed counterweight + 6.5t movable counterweight |       |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                                   | 17.3  | 21.9  | 26.4  | 30.9  | 35.4  | 39.9  | 44.4  | 49.0  |
| 3.0                      | 80000*                                                                                                                                                 | 55000 |       |       |       |       |       |       |       |
| 3.5                      | 67000*                                                                                                                                                 | 53000 | 42000 |       |       |       |       |       |       |
| 4.0                      | 57000                                                                                                                                                  | 52000 | 42000 |       |       |       |       |       |       |
| 4.5                      | 54000                                                                                                                                                  | 49000 | 42000 | 31000 |       |       |       |       |       |
| 5.0                      | 50000                                                                                                                                                  | 46000 | 40000 | 31000 | 29000 |       |       |       |       |
| 5.5                      | 48000                                                                                                                                                  | 44000 | 38000 | 31000 | 28000 |       |       |       |       |
| 6.0                      | 45000                                                                                                                                                  | 41000 | 36000 | 31000 | 27000 | 23000 |       |       |       |
| 7.0                      | 38000                                                                                                                                                  | 36000 | 32000 | 29000 | 25000 | 22000 |       |       |       |
| 8.0                      | 32000                                                                                                                                                  | 30000 | 28000 | 26000 | 23000 | 20500 | 17500 |       |       |
| 9.0                      | 27000                                                                                                                                                  | 26500 | 26000 | 24000 | 21500 | 19000 | 16500 | 14000 |       |
| 10.0                     |                                                                                                                                                        | 21700 | 21500 | 22000 | 19500 | 17500 | 15500 | 13500 | 10500 |
| 11.0                     |                                                                                                                                                        | 18000 | 18000 | 19000 | 18000 | 16500 | 14500 | 12800 | 10000 |
| 12.0                     |                                                                                                                                                        | 15200 | 15000 | 16000 | 16000 | 15000 | 13500 | 12000 | 9500  |
| 14.0                     |                                                                                                                                                        | 11200 | 11000 | 12000 | 12700 | 13000 | 11500 | 10500 | 9000  |
| 16.0                     |                                                                                                                                                        |       | 8200  | 9200  | 9900  | 10500 | 10000 | 9200  | 8300  |
| 18.0                     |                                                                                                                                                        |       | 6200  | 7200  | 7900  | 8300  | 8700  | 8100  | 7500  |
| 20.0                     |                                                                                                                                                        |       |       | 5600  | 6200  | 6600  | 7000  | 7300  | 6700  |
| 22.0                     |                                                                                                                                                        |       |       | 4400  | 5000  | 5400  | 5800  | 6100  | 6000  |
| 24.0                     |                                                                                                                                                        |       |       |       | 4000  | 4400  | 4800  | 5100  | 5300  |
| 26.0                     |                                                                                                                                                        |       |       |       | 3200  | 3600  | 3900  | 4200  | 4400  |
| 28.0                     |                                                                                                                                                        |       |       |       |       | 2900  | 3200  | 3500  | 3700  |
| 30.0                     |                                                                                                                                                        |       |       |       |       | 2300  | 2600  | 2900  | 3100  |
| 32.0                     |                                                                                                                                                        |       |       |       |       |       | 2100  | 2400  | 2600  |
| 34.0                     |                                                                                                                                                        |       |       |       |       |       | 1600  | 1900  | 2100  |
| 36.0                     |                                                                                                                                                        |       |       |       |       |       |       | 1500  | 1700  |
| 38.0                     |                                                                                                                                                        |       |       |       |       |       |       | 1200  | 1400  |
| 40.0                     |                                                                                                                                                        |       |       |       |       |       |       |       | 1100  |
| 42.0                     |                                                                                                                                                        |       |       |       |       |       |       |       | 800   |
| I                        | 0                                                                                                                                                      | 4.7   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   |
| II                       | 0                                                                                                                                                      | 0     | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                                     | 10    | 8     | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                                    |       |       |       |       |       |       |       |       |

Table 2-2 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                                                 |       |       |       |       |       |       |       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I INTERMEDIATELY EXTENDED, outriggers fully extended, over side or rear working area, 7.5t fixed counterweight + 6.5t movable counterweight |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                                            | 17.3  | 21.8  | 26.3  | 30.8  | 35.3  | 39.8  | 44.4  |
| 3.0                      | 80000*                                                                                                                                                          | 55000 | 31000 |       |       |       |       |       |
| 3.5                      | 67000*                                                                                                                                                          | 53000 | 31000 |       |       |       |       |       |
| 4.0                      | 57000                                                                                                                                                           | 52000 | 31000 | 30000 |       |       |       |       |
| 4.5                      | 54000                                                                                                                                                           | 49000 | 31000 | 30000 |       |       |       |       |
| 5.0                      | 50000                                                                                                                                                           | 46000 | 31000 | 30000 | 24000 |       |       |       |
| 5.5                      | 48000                                                                                                                                                           | 44000 | 31000 | 30000 | 24000 |       |       |       |
| 6.0                      | 45000                                                                                                                                                           | 41000 | 31000 | 30000 | 24000 | 21000 |       |       |
| 7.0                      | 38000                                                                                                                                                           | 36000 | 31000 | 30000 | 24000 | 20000 |       |       |
| 8.0                      | 32000                                                                                                                                                           | 30000 | 31000 | 30000 | 24000 | 18500 | 15000 |       |
| 9.0                      | 27000                                                                                                                                                           | 26500 | 27000 | 27000 | 24000 | 17500 | 14500 | 11500 |
| 10.0                     |                                                                                                                                                                 | 21700 | 23200 | 24000 | 23000 | 16200 | 14000 | 11000 |
| 11.0                     |                                                                                                                                                                 | 18000 | 19300 | 20000 | 20800 | 15000 | 13000 | 10500 |
| 12.0                     |                                                                                                                                                                 | 15200 | 16500 | 17200 | 17800 | 14000 | 12000 | 10000 |
| 14.0                     |                                                                                                                                                                 | 11200 | 12400 | 13000 | 13600 | 12200 | 10500 | 9300  |
| 16.0                     |                                                                                                                                                                 |       | 9600  | 10200 | 10700 | 10800 | 9300  | 8200  |
| 18.0                     |                                                                                                                                                                 |       |       | 8200  | 8700  | 9100  | 8300  | 7300  |
| 20.0                     |                                                                                                                                                                 |       |       | 6600  | 7100  | 7400  | 7400  | 6500  |
| 22.0                     |                                                                                                                                                                 |       |       |       | 5800  | 6100  | 6400  | 5800  |
| 24.0                     |                                                                                                                                                                 |       |       |       | 4800  | 5100  | 5400  | 5300  |
| 26.0                     |                                                                                                                                                                 |       |       |       | 4000  | 4300  | 4600  | 4800  |
| 28.0                     |                                                                                                                                                                 |       |       |       |       | 3600  | 3900  | 4100  |
| 30.0                     |                                                                                                                                                                 |       |       |       |       | 3000  | 3300  | 3500  |
| 32.0                     |                                                                                                                                                                 |       |       |       |       |       | 2700  | 2900  |
| 34.0                     |                                                                                                                                                                 |       |       |       |       |       | 2300  | 2500  |
| 36.0                     |                                                                                                                                                                 |       |       |       |       |       |       | 2000  |
| 38.0                     |                                                                                                                                                                 |       |       |       |       |       |       | 1700  |
| 40.0                     |                                                                                                                                                                 |       |       |       |       |       |       |       |
| I                        | 0                                                                                                                                                               | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   |
| II                       | 0                                                                                                                                                               | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                                              | 10    | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                                             |       |       |       |       |       |       |       |

Table 2-3 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                                         |       |       |       |       |       |       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY RETRACTED, outriggers fully extended, over side or rear working area, 7.5t fixed counterweight + 6.5t movable counterweight |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                                    | 17.1  | 21.6  | 26.1  | 30.6  | 35.1  | 39.7  |
| 3.0                      | 80000*                                                                                                                                                  | 31000 | 30000 |       |       |       |       |
| 3.5                      | 67000*                                                                                                                                                  | 31000 | 30000 |       |       |       |       |
| 4.0                      | 57000                                                                                                                                                   | 31000 | 30000 | 24000 |       |       |       |
| 4.5                      | 54000                                                                                                                                                   | 31000 | 30000 | 24000 |       |       |       |
| 5.0                      | 50000                                                                                                                                                   | 31000 | 30000 | 24000 | 21000 |       |       |
| 5.5                      | 48000                                                                                                                                                   | 31000 | 30000 | 24000 | 21000 |       |       |
| 6.0                      | 45000                                                                                                                                                   | 31000 | 30000 | 24000 | 20000 | 15000 |       |
| 7.0                      | 38000                                                                                                                                                   | 31000 | 30000 | 24000 | 18500 | 15000 |       |
| 8.0                      | 32000                                                                                                                                                   | 31000 | 28500 | 23000 | 16800 | 14500 | 12000 |
| 9.0                      | 27000                                                                                                                                                   | 28000 | 27000 | 22000 | 15300 | 13800 | 11500 |
| 10.0                     |                                                                                                                                                         | 23800 | 24800 | 20200 | 14000 | 12700 | 11000 |
| 11.0                     |                                                                                                                                                         | 20000 | 21000 | 19000 | 13000 | 11700 | 10500 |
| 12.0                     |                                                                                                                                                         | 17300 | 18000 | 17500 | 12000 | 10900 | 10000 |
| 14.0                     |                                                                                                                                                         |       | 13800 | 14300 | 10400 | 9500  | 8800  |
| 16.0                     |                                                                                                                                                         |       | 11000 | 11400 | 9200  | 8300  | 7700  |
| 18.0                     |                                                                                                                                                         |       |       | 9300  | 8200  | 7400  | 6800  |
| 20.0                     |                                                                                                                                                         |       |       | 7700  | 7400  | 6600  | 6100  |
| 22.0                     |                                                                                                                                                         |       |       |       | 6700  | 6000  | 5500  |
| 24.0                     |                                                                                                                                                         |       |       |       | 5700  | 5400  | 5000  |
| 26.0                     |                                                                                                                                                         |       |       |       |       | 4900  | 4500  |
| 28.0                     |                                                                                                                                                         |       |       |       |       | 4400  | 4100  |
| 30.0                     |                                                                                                                                                         |       |       |       |       |       | 3700  |
| 32.0                     |                                                                                                                                                         |       |       |       |       |       | 3400  |
| I                        | 0                                                                                                                                                       | 0     | 0     | 0     | 0     | 0     | 0     |
| II                       | 0                                                                                                                                                       | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                                      | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                                     |       |       |       |       |       |       |

Table 2-4 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                                        |       |       |       |       |       |       |       |       |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY EXTENDED, outriggers fully extended, over side or rear working area, 7.5 t fixed counterweight + 4 t movable counterweight |       |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                                   | 17.3  | 21.9  | 26.4  | 30.9  | 35.4  | 39.9  | 44.4  | 49.0  |
| 3.0                      | 80000*                                                                                                                                                 | 55000 |       |       |       |       |       |       |       |
| 3.5                      | 67000*                                                                                                                                                 | 53000 | 42000 |       |       |       |       |       |       |
| 4.0                      | 57000                                                                                                                                                  | 52000 | 42000 |       |       |       |       |       |       |
| 4.5                      | 54000                                                                                                                                                  | 49000 | 42000 | 31000 |       |       |       |       |       |
| 5.0                      | 50000                                                                                                                                                  | 46000 | 40000 | 31000 | 29000 |       |       |       |       |
| 5.5                      | 48000                                                                                                                                                  | 44000 | 38000 | 31000 | 28000 |       |       |       |       |
| 6.0                      | 45000                                                                                                                                                  | 41000 | 36000 | 31000 | 27000 | 23000 |       |       |       |
| 7.0                      | 37000                                                                                                                                                  | 36000 | 32000 | 29000 | 25000 | 22000 |       |       |       |
| 8.0                      | 30000                                                                                                                                                  | 29000 | 28000 | 26000 | 23000 | 20500 | 17500 |       |       |
| 9.0                      | 24000                                                                                                                                                  | 24500 | 24000 | 24000 | 21500 | 19000 | 16500 | 14000 |       |
| 10.0                     |                                                                                                                                                        | 20000 | 19500 | 20500 | 19500 | 17500 | 15500 | 13500 | 10500 |
| 11.0                     |                                                                                                                                                        | 16500 | 16000 | 17000 | 18000 | 16500 | 14500 | 12800 | 10000 |
| 12.0                     |                                                                                                                                                        | 13800 | 13500 | 14500 | 15500 | 15000 | 13500 | 12000 | 9500  |
| 14.0                     |                                                                                                                                                        | 10000 | 9800  | 10800 | 11500 | 12000 | 11500 | 10500 | 9000  |
| 16.0                     |                                                                                                                                                        |       | 7300  | 8300  | 8900  | 9400  | 9800  | 9200  | 8300  |
| 18.0                     |                                                                                                                                                        |       |       | 6400  | 7000  | 7500  | 7900  | 8100  | 7500  |
| 20.0                     |                                                                                                                                                        |       |       | 4900  | 5500  | 5900  | 6300  | 6600  | 6700  |
| 22.0                     |                                                                                                                                                        |       |       |       | 4300  | 4700  | 5100  | 5400  | 5700  |
| 24.0                     |                                                                                                                                                        |       |       |       | 3400  | 3800  | 4200  | 4500  | 4700  |
| 26.0                     |                                                                                                                                                        |       |       |       |       | 3000  | 3400  | 3700  | 3900  |
| 28.0                     |                                                                                                                                                        |       |       |       |       | 2400  | 2700  | 3000  | 3200  |
| 30.0                     |                                                                                                                                                        |       |       |       |       |       | 2100  | 2400  | 2600  |
| 32.0                     |                                                                                                                                                        |       |       |       |       |       | 1600  | 1900  | 2100  |
| 34.0                     |                                                                                                                                                        |       |       |       |       |       | 1200  | 1500  | 1700  |
| 36.0                     |                                                                                                                                                        |       |       |       |       |       |       | 1100  | 1300  |
| 38.0                     |                                                                                                                                                        |       |       |       |       |       |       | 800   | 1000  |
| 40.0                     |                                                                                                                                                        |       |       |       |       |       |       |       | 700   |
| 42.0                     |                                                                                                                                                        |       |       |       |       |       |       |       |       |
| I                        | 0                                                                                                                                                      | 4.7   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   |
| II                       | 0                                                                                                                                                      | 0     | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                                     | 10    | 8     | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                                    |       |       |       |       |       |       |       |       |

Table 2-5 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                                                    |       |       |       |       |       |       |       |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I INTERMEDIATELY EXTENDED, outriggers fully extended,<br>over side or rear working area, 7.5 t fixed counterweight + 4 t movable counterweight |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                                               | 17.3  | 21.8  | 26.3  | 30.8  | 35.3  | 39.8  | 44.4  |
| 3.0                      | 80000*                                                                                                                                                             | 55000 | 31000 |       |       |       |       |       |
| 3.5                      | 67000*                                                                                                                                                             | 53000 | 31000 |       |       |       |       |       |
| 4.0                      | 57000                                                                                                                                                              | 52000 | 31000 | 30000 |       |       |       |       |
| 4.5                      | 54000                                                                                                                                                              | 49000 | 31000 | 30000 |       |       |       |       |
| 5.0                      | 50000                                                                                                                                                              | 46000 | 31000 | 30000 | 24000 |       |       |       |
| 5.5                      | 48000                                                                                                                                                              | 44000 | 31000 | 30000 | 24000 |       |       |       |
| 6.0                      | 45000                                                                                                                                                              | 41000 | 31000 | 30000 | 24000 | 21000 |       |       |
| 7.0                      | 37000                                                                                                                                                              | 36000 | 31000 | 30000 | 24000 | 20000 |       |       |
| 8.0                      | 30000                                                                                                                                                              | 29000 | 30000 | 30000 | 24000 | 18500 | 15000 |       |
| 9.0                      | 24000                                                                                                                                                              | 24500 | 25000 | 26000 | 24000 | 17500 | 14500 | 11500 |
| 10.0                     |                                                                                                                                                                    | 20000 | 21200 | 22000 | 22500 | 16200 | 14000 | 11000 |
| 11.0                     |                                                                                                                                                                    | 16500 | 17700 | 18500 | 19200 | 15000 | 13000 | 10500 |
| 12.0                     |                                                                                                                                                                    | 13800 | 15000 | 15800 | 16500 | 14000 | 12000 | 10000 |
| 14.0                     |                                                                                                                                                                    | 10000 | 11200 | 12000 | 12500 | 12200 | 10500 | 9300  |
| 16.0                     |                                                                                                                                                                    |       | 8600  | 9400  | 9900  | 10100 | 9300  | 8200  |
| 18.0                     |                                                                                                                                                                    |       |       | 7400  | 7900  | 8200  | 8300  | 7300  |
| 20.0                     |                                                                                                                                                                    |       |       | 5900  | 6400  | 6700  | 7000  | 6500  |
| 22.0                     |                                                                                                                                                                    |       |       |       | 5100  | 5400  | 5700  | 5800  |
| 24.0                     |                                                                                                                                                                    |       |       |       | 4200  | 4500  | 4800  | 5100  |
| 26.0                     |                                                                                                                                                                    |       |       |       | 3400  | 3700  | 4000  | 4300  |
| 28.0                     |                                                                                                                                                                    |       |       |       |       | 3000  | 3300  | 3600  |
| 30.0                     |                                                                                                                                                                    |       |       |       |       | 2500  | 2800  | 3000  |
| 32.0                     |                                                                                                                                                                    |       |       |       |       |       | 2300  | 2500  |
| 34.0                     |                                                                                                                                                                    |       |       |       |       |       | 1800  | 2000  |
| 36.0                     |                                                                                                                                                                    |       |       |       |       |       |       | 1700  |
| 38.0                     |                                                                                                                                                                    |       |       |       |       |       |       | 1300  |
| 40.0                     |                                                                                                                                                                    |       |       |       |       |       |       |       |
| I                        | 0                                                                                                                                                                  | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   |
| II                       | 0                                                                                                                                                                  | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                                                 | 10    | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                                                |       |       |       |       |       |       |       |

Table 2-6 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                                         |       |       |       |       |       |       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY RETRACTED, outriggers fully extended, over side or rear working area, 7.5 t fixed counterweight + 4 t movable counterweight |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                                    | 17.1  | 21.6  | 26.1  | 30.6  | 35.1  | 39.7  |
| 3.0                      | 80000*                                                                                                                                                  | 31000 | 30000 |       |       |       |       |
| 3.5                      | 67000*                                                                                                                                                  | 31000 | 30000 |       |       |       |       |
| 4.0                      | 57000                                                                                                                                                   | 31000 | 30000 | 24000 |       |       |       |
| 4.5                      | 54000                                                                                                                                                   | 31000 | 30000 | 24000 |       |       |       |
| 5.0                      | 50000                                                                                                                                                   | 31000 | 30000 | 24000 | 21000 |       |       |
| 5.5                      | 48000                                                                                                                                                   | 31000 | 30000 | 24000 | 21000 |       |       |
| 6.0                      | 45000                                                                                                                                                   | 31000 | 30000 | 24000 | 20000 | 15000 |       |
| 7.0                      | 37000                                                                                                                                                   | 31000 | 30000 | 24000 | 18500 | 15000 |       |
| 8.0                      | 30000                                                                                                                                                   | 30000 | 28500 | 23000 | 16800 | 14500 | 12000 |
| 9.0                      | 24000                                                                                                                                                   | 25000 | 26000 | 22000 | 15300 | 13800 | 11500 |
| 10.0                     |                                                                                                                                                         | 22000 | 23000 | 20200 | 14000 | 12700 | 11000 |
| 11.0                     |                                                                                                                                                         | 18500 | 19300 | 19000 | 13000 | 11700 | 10500 |
| 12.0                     |                                                                                                                                                         | 15800 | 16600 | 17200 | 12000 | 10900 | 10000 |
| 14.0                     |                                                                                                                                                         |       | 12700 | 13200 | 10400 | 9500  | 8800  |
| 16.0                     |                                                                                                                                                         |       | 10000 | 10500 | 9200  | 8300  | 7700  |
| 18.0                     |                                                                                                                                                         |       |       | 8500  | 8200  | 7400  | 6800  |
| 20.0                     |                                                                                                                                                         |       |       | 7000  | 7300  | 6600  | 6100  |
| 22.0                     |                                                                                                                                                         |       |       |       | 6100  | 6000  | 5500  |
| 24.0                     |                                                                                                                                                         |       |       |       | 5100  | 5300  | 5000  |
| 26.0                     |                                                                                                                                                         |       |       |       |       | 4500  | 4500  |
| 28.0                     |                                                                                                                                                         |       |       |       |       | 3800  | 4100  |
| 30.0                     |                                                                                                                                                         |       |       |       |       |       | 3400  |
| 32.0                     |                                                                                                                                                         |       |       |       |       |       | 2900  |
| I                        | 0                                                                                                                                                       | 0     | 0     | 0     | 0     | 0     | 0     |
| II                       | 0                                                                                                                                                       | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                                      | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                                     |       |       |       |       |       |       |

Table 2-7 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                            |       |       |       |       |       |       |       |       |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY EXTENDED, outriggers fully extended, over side or rear working area, 7.5 t fixed counterweight |       |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                       | 17.3  | 21.9  | 26.4  | 30.9  | 35.4  | 39.9  | 44.4  | 49.0  |
| 3.0                      | 80000*                                                                                                                     | 55000 |       |       |       |       |       |       |       |
| 3.5                      | 67000*                                                                                                                     | 53000 | 42000 |       |       |       |       |       |       |
| 4.0                      | 57000                                                                                                                      | 52000 | 42000 |       |       |       |       |       |       |
| 4.5                      | 54000                                                                                                                      | 49000 | 42000 | 31000 |       |       |       |       |       |
| 5.0                      | 50000                                                                                                                      | 46000 | 40000 | 31000 | 29000 |       |       |       |       |
| 5.5                      | 48000                                                                                                                      | 44000 | 38000 | 31000 | 28000 |       |       |       |       |
| 6.0                      | 45000                                                                                                                      | 41000 | 36000 | 31000 | 27000 | 23000 |       |       |       |
| 7.0                      | 35000                                                                                                                      | 34000 | 32000 | 29000 | 25000 | 22000 |       |       |       |
| 8.0                      | 26000                                                                                                                      | 26500 | 26000 | 26000 | 23000 | 20500 | 17500 |       |       |
| 9.0                      | 20000                                                                                                                      | 20500 | 20000 | 21500 | 21500 | 19000 | 16500 | 14000 |       |
| 10.0                     |                                                                                                                            | 16500 | 16000 | 17500 | 18500 | 17500 | 15500 | 13500 | 10500 |
| 11.0                     |                                                                                                                            | 13500 | 13000 | 14500 | 15500 | 16000 | 14500 | 12800 | 10000 |
| 12.0                     |                                                                                                                            | 11500 | 11000 | 12000 | 13000 | 13500 | 13500 | 12000 | 9500  |
| 14.0                     |                                                                                                                            | 8000  | 7800  | 8800  | 9600  | 10100 | 10500 | 10500 | 9000  |
| 16.0                     |                                                                                                                            |       | 5700  | 6700  | 7300  | 7800  | 8200  | 8500  | 8300  |
| 18.0                     |                                                                                                                            |       |       | 5000  | 5600  | 6000  | 6400  | 6700  | 7000  |
| 20.0                     |                                                                                                                            |       |       | 3700  | 4300  | 4700  | 5100  | 5400  | 5700  |
| 22.0                     |                                                                                                                            |       |       |       | 3200  | 3600  | 4000  | 4300  | 4600  |
| 24.0                     |                                                                                                                            |       |       |       | 2400  | 2800  | 3200  | 3400  | 3700  |
| 26.0                     |                                                                                                                            |       |       |       |       | 2100  | 2500  | 2700  | 3000  |
| 28.0                     |                                                                                                                            |       |       |       |       | 1500  | 1900  | 2100  | 2400  |
| 30.0                     |                                                                                                                            |       |       |       |       |       | 1400  | 1600  | 1900  |
| 32.0                     |                                                                                                                            |       |       |       |       |       | 1000  | 1200  | 1400  |
| 34.0                     |                                                                                                                            |       |       |       |       |       |       | 800   | 1000  |
| 36.0                     |                                                                                                                            |       |       |       |       |       |       |       | 700   |
| 38.0                     |                                                                                                                            |       |       |       |       |       |       |       |       |
| 40.0                     |                                                                                                                            |       |       |       |       |       |       |       |       |
| 42.0                     |                                                                                                                            |       |       |       |       |       |       |       |       |
| I                        | 0                                                                                                                          | 4.7   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   |
| II                       | 0                                                                                                                          | 0     | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reevin<br>g              | 12                                                                                                                         | 10    | 8     | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                        |       |       |       |       |       |       |       |       |

Table 2-8 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                        |       |       |       |       |       |       |       |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I INTERMEDIATELY EXTENDED, outriggers fully extended, over<br>side or rear working area, 7.5 t fixed counterweight |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                   | 17.3  | 21.8  | 26.3  | 30.8  | 35.3  | 39.8  | 44.4  |
| 3.0                      | 80000*                                                                                                                                 | 55000 | 31000 |       |       |       |       |       |
| 3.5                      | 67000*                                                                                                                                 | 53000 | 31000 |       |       |       |       |       |
| 4.0                      | 57000                                                                                                                                  | 52000 | 31000 | 30000 |       |       |       |       |
| 4.5                      | 54000                                                                                                                                  | 49000 | 31000 | 30000 |       |       |       |       |
| 5.0                      | 50000                                                                                                                                  | 46000 | 31000 | 30000 | 24000 |       |       |       |
| 5.5                      | 48000                                                                                                                                  | 44000 | 31000 | 30000 | 24000 |       |       |       |
| 6.0                      | 45000                                                                                                                                  | 41000 | 31000 | 30000 | 24000 | 21000 |       |       |
| 7.0                      | 35000                                                                                                                                  | 34000 | 31000 | 30000 | 24000 | 20000 |       |       |
| 8.0                      | 26000                                                                                                                                  | 26500 | 28000 | 29000 | 24000 | 18500 | 15000 |       |
| 9.0                      | 20000                                                                                                                                  | 20500 | 22000 | 23000 | 23500 | 17500 | 14500 | 11500 |
| 10.0                     |                                                                                                                                        | 16500 | 18000 | 19000 | 19500 | 16200 | 14000 | 11000 |
| 11.0                     |                                                                                                                                        | 13500 | 15000 | 16000 | 16500 | 15000 | 13000 | 10500 |
| 12.0                     |                                                                                                                                        | 11500 | 12500 | 13500 | 14000 | 14000 | 12000 | 10000 |
| 14.0                     |                                                                                                                                        | 8000  | 9000  | 10000 | 10500 | 10800 | 10500 | 9300  |
| 16.0                     |                                                                                                                                        |       | 7000  | 7700  | 8200  | 8500  | 8800  | 8200  |
| 18.0                     |                                                                                                                                        |       |       | 6000  | 6500  | 6800  | 7100  | 7300  |
| 20.0                     |                                                                                                                                        |       |       | 4600  | 5100  | 5400  | 5700  | 5900  |
| 22.0                     |                                                                                                                                        |       |       |       | 4100  | 4400  | 4700  | 4900  |
| 24.0                     |                                                                                                                                        |       |       |       | 3200  | 3500  | 3800  | 4000  |
| 26.0                     |                                                                                                                                        |       |       |       | 2500  | 2800  | 3100  | 3300  |
| 28.0                     |                                                                                                                                        |       |       |       |       | 2200  | 2500  | 2700  |
| 30.0                     |                                                                                                                                        |       |       |       |       | 1700  | 2000  | 2200  |
| 32.0                     |                                                                                                                                        |       |       |       |       |       | 1500  | 1700  |
| 34.0                     |                                                                                                                                        |       |       |       |       |       | 1100  | 1300  |
| 36.0                     |                                                                                                                                        |       |       |       |       |       |       | 1100  |
| 38.0                     |                                                                                                                                        |       |       |       |       |       |       | 700   |
| 40.0                     |                                                                                                                                        |       |       |       |       |       |       |       |
| I                        | 0                                                                                                                                      | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   |
| II                       | 0                                                                                                                                      | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                     | 10    | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                    |       |       |       |       |       |       |       |

Table 2-9 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                |       |       |       |       |       |       |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY RETRACTED, outriggers fully extended, over side or rear<br>working area, 7.5 t fixed counterweight |       |       |       |       |       |       |
|                          | 12.6                                                                                                                           | 17.1  | 21.6  | 26.1  | 30.6  | 35.1  | 39.7  |
| 3.0                      | 80000*                                                                                                                         | 31000 | 30000 |       |       |       |       |
| 3.5                      | 67000*                                                                                                                         | 31000 | 30000 |       |       |       |       |
| 4.0                      | 57000                                                                                                                          | 31000 | 30000 | 24000 |       |       |       |
| 4.5                      | 54000                                                                                                                          | 31000 | 30000 | 24000 |       |       |       |
| 5.0                      | 50000                                                                                                                          | 31000 | 30000 | 24000 | 21000 |       |       |
| 5.5                      | 48000                                                                                                                          | 31000 | 30000 | 24000 | 21000 |       |       |
| 6.0                      | 45000                                                                                                                          | 31000 | 30000 | 24000 | 20000 | 15000 |       |
| 7.0                      | 35000                                                                                                                          | 31000 | 30000 | 24000 | 18500 | 15000 |       |
| 8.0                      | 26000                                                                                                                          | 28500 | 28500 | 23000 | 16800 | 14500 | 12000 |
| 9.0                      | 20000                                                                                                                          | 22500 | 23500 | 22000 | 15300 | 13800 | 11500 |
| 10.0                     |                                                                                                                                | 18500 | 19500 | 20200 | 14000 | 12700 | 11000 |
| 11.0                     |                                                                                                                                | 15500 | 16500 | 17000 | 13000 | 11700 | 10500 |
| 12.0                     |                                                                                                                                | 13000 | 14000 | 14500 | 12000 | 10900 | 10000 |
| 14.0                     |                                                                                                                                |       | 10500 | 11000 | 10400 | 9500  | 8800  |
| 16.0                     |                                                                                                                                |       | 8000  | 8500  | 9200  | 8300  | 7700  |
| 18.0                     |                                                                                                                                |       |       | 7000  | 7300  | 7400  | 6800  |
| 20.0                     |                                                                                                                                |       |       | 5700  | 6000  | 6200  | 6100  |
| 22.0                     |                                                                                                                                |       |       |       | 5000  | 5200  | 5500  |
| 24.0                     |                                                                                                                                |       |       |       | 4100  | 4300  | 4500  |
| 26.0                     |                                                                                                                                |       |       |       |       | 3600  | 3800  |
| 28.0                     |                                                                                                                                |       |       |       |       | 3000  | 3200  |
| 30.0                     |                                                                                                                                |       |       |       |       |       | 2600  |
| 32.0                     |                                                                                                                                |       |       |       |       |       | 2200  |
| I                        | 0                                                                                                                              | 0     | 0     | 0     | 0     | 0     | 0     |
| II                       | 0                                                                                                                              | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                             | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                            |       |       |       |       |       |       |

Table 2-10 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                               |       |       |       |       |       |       |       |       |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY EXTENDED, outriggers fully extended, over side or rear<br>working area, 4.5 t fixed counterweight |       |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                          | 17.3  | 21.9  | 26.4  | 30.9  | 35.4  | 39.9  | 44.4  | 49.0  |
| 3.0                      | 80000*                                                                                                                        | 55000 |       |       |       |       |       |       |       |
| 3.5                      | 67000*                                                                                                                        | 53000 | 42000 |       |       |       |       |       |       |
| 4.0                      | 57000                                                                                                                         | 52000 | 42000 |       |       |       |       |       |       |
| 4.5                      | 54000                                                                                                                         | 49000 | 42000 | 31000 |       |       |       |       |       |
| 5.0                      | 50000                                                                                                                         | 46000 | 40000 | 31000 | 29000 |       |       |       |       |
| 5.5                      | 48000                                                                                                                         | 44000 | 38000 | 31000 | 28000 |       |       |       |       |
| 6.0                      | 42000                                                                                                                         | 41000 | 36000 | 31000 | 27000 | 23000 |       |       |       |
| 7.0                      | 32000                                                                                                                         | 31000 | 30000 | 29000 | 25000 | 22000 |       |       |       |
| 8.0                      | 24000                                                                                                                         | 23500 | 23000 | 24000 | 23000 | 20500 | 17500 |       |       |
| 9.0                      | 19000                                                                                                                         | 18500 | 18000 | 19000 | 20000 | 19000 | 16500 | 14000 |       |
| 10.0                     |                                                                                                                               | 14800 | 14500 | 15500 | 16500 | 17000 | 15500 | 13500 | 10500 |
| 11.0                     |                                                                                                                               | 12000 | 11700 | 12700 | 13700 | 14200 | 14500 | 12800 | 10000 |
| 12.0                     |                                                                                                                               | 10000 | 9700  | 10700 | 11500 | 12000 | 12500 | 12000 | 9500  |
| 14.0                     |                                                                                                                               | 7000  | 6700  | 7700  | 8300  | 8800  | 9300  | 9600  | 9000  |
| 16.0                     |                                                                                                                               |       | 4500  | 5500  | 6100  | 6600  | 7100  | 7400  | 7700  |
| 18.0                     |                                                                                                                               |       |       | 4000  | 4600  | 5100  | 5400  | 5700  | 6000  |
| 20.0                     |                                                                                                                               |       |       | 2800  | 3400  | 3900  | 4200  | 4500  | 4800  |
| 22.0                     |                                                                                                                               |       |       |       | 2500  | 2900  | 3200  | 3500  | 3800  |
| 24.0                     |                                                                                                                               |       |       |       | 1700  | 2100  | 2400  | 2700  | 3000  |
| 26.0                     |                                                                                                                               |       |       |       |       | 1500  | 1800  | 2100  | 2300  |
| 28.0                     |                                                                                                                               |       |       |       |       | 1000  | 1300  | 1600  | 1800  |
| 30.0                     |                                                                                                                               |       |       |       |       |       | 800   | 1100  | 1300  |
| 32.0                     |                                                                                                                               |       |       |       |       |       |       | 700   | 900   |
| 34.0                     |                                                                                                                               |       |       |       |       |       |       |       |       |
| 36.0                     |                                                                                                                               |       |       |       |       |       |       |       |       |
| 38.0                     |                                                                                                                               |       |       |       |       |       |       |       |       |
| 40.0                     |                                                                                                                               |       |       |       |       |       |       |       |       |
| 42.0                     |                                                                                                                               |       |       |       |       |       |       |       |       |
| I                        | 0                                                                                                                             | 4.7   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   |
| II                       | 0                                                                                                                             | 0     | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                            | 10    | 8     | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                           |       |       |       |       |       |       |       |       |

Table 2-11 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                        |       |       |       |       |       |       |       |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I INTERMEDIATELY EXTENDED, outriggers fully extended, over<br>side or rear working area, 4.5 t fixed counterweight |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                   | 17.3  | 21.8  | 26.3  | 30.8  | 35.3  | 39.8  | 44.4  |
| 3.0                      | 80000*                                                                                                                                 | 55000 | 31000 |       |       |       |       |       |
| 3.5                      | 67000*                                                                                                                                 | 53000 | 31000 |       |       |       |       |       |
| 4.0                      | 57000                                                                                                                                  | 52000 | 31000 | 30000 |       |       |       |       |
| 4.5                      | 54000                                                                                                                                  | 49000 | 31000 | 30000 |       |       |       |       |
| 5.0                      | 50000                                                                                                                                  | 46000 | 31000 | 30000 | 24000 |       |       |       |
| 5.5                      | 48000                                                                                                                                  | 44000 | 31000 | 30000 | 24000 |       |       |       |
| 6.0                      | 42000                                                                                                                                  | 41000 | 31000 | 30000 | 24000 | 21000 |       |       |
| 7.0                      | 32000                                                                                                                                  | 31000 | 31000 | 30000 | 24000 | 20000 |       |       |
| 8.0                      | 24000                                                                                                                                  | 23500 | 25000 | 26000 | 24000 | 18500 | 15000 |       |
| 9.0                      | 19000                                                                                                                                  | 18500 | 20000 | 20500 | 21500 | 17500 | 14500 | 11500 |
| 10.0                     |                                                                                                                                        | 14800 | 16200 | 17000 | 17500 | 16200 | 14000 | 11000 |
| 11.0                     |                                                                                                                                        | 12000 | 13200 | 14000 | 14500 | 15000 | 13000 | 10500 |
| 12.0                     |                                                                                                                                        | 10000 | 11200 | 12000 | 12500 | 13000 | 12000 | 10000 |
| 14.0                     |                                                                                                                                        | 7000  | 8100  | 8800  | 9300  | 9700  | 10000 | 9300  |
| 16.0                     |                                                                                                                                        |       | 6000  | 6600  | 7100  | 7500  | 7800  | 8100  |
| 18.0                     |                                                                                                                                        |       |       | 5000  | 5500  | 5900  | 6200  | 6500  |
| 20.0                     |                                                                                                                                        |       |       | 3800  | 4300  | 4700  | 5000  | 5200  |
| 22.0                     |                                                                                                                                        |       |       |       | 3300  | 3700  | 4000  | 4200  |
| 24.0                     |                                                                                                                                        |       |       |       | 2600  | 2900  | 3200  | 3400  |
| 26.0                     |                                                                                                                                        |       |       |       | 1900  | 2200  | 2500  | 2700  |
| 28.0                     |                                                                                                                                        |       |       |       |       | 1700  | 2000  | 2200  |
| 30.0                     |                                                                                                                                        |       |       |       |       | 1200  | 1500  | 1700  |
| 32.0                     |                                                                                                                                        |       |       |       |       |       | 1100  | 1300  |
| 34.0                     |                                                                                                                                        |       |       |       |       |       | 800   | 1000  |
| 36.0                     |                                                                                                                                        |       |       |       |       |       |       | 700   |
| 38.0                     |                                                                                                                                        |       |       |       |       |       |       |       |
| 40.0                     |                                                                                                                                        |       |       |       |       |       |       |       |
| I                        | 0                                                                                                                                      | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   |
| II                       | 0                                                                                                                                      | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                     | 10    | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                    |       |       |       |       |       |       |       |

Table 2-12 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                             |       |       |       |       |       |       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY RETRACTED, outriggers fully extended, over side or rear working area, 4.5 t fixed counterweight |       |       |       |       |       |       |
|                          | 12.6                                                                                                                        | 17.1  | 21.6  | 26.1  | 30.6  | 35.1  | 39.7  |
| 3.0                      | 80000*                                                                                                                      | 31000 | 30000 |       |       |       |       |
| 3.5                      | 67000*                                                                                                                      | 31000 | 30000 |       |       |       |       |
| 4.0                      | 57000                                                                                                                       | 31000 | 30000 | 24000 |       |       |       |
| 4.5                      | 54000                                                                                                                       | 31000 | 30000 | 24000 |       |       |       |
| 5.0                      | 50000                                                                                                                       | 31000 | 30000 | 24000 | 21000 |       |       |
| 5.5                      | 48000                                                                                                                       | 31000 | 30000 | 24000 | 21000 |       |       |
| 6.0                      | 42000                                                                                                                       | 31000 | 30000 | 24000 | 20000 | 15000 |       |
| 7.0                      | 32000                                                                                                                       | 31000 | 30000 | 24000 | 18500 | 15000 |       |
| 8.0                      | 24000                                                                                                                       | 25000 | 26000 | 23000 | 16800 | 14500 | 12000 |
| 9.0                      | 19000                                                                                                                       | 20000 | 21000 | 22000 | 15300 | 13800 | 11500 |
| 10.0                     |                                                                                                                             | 17000 | 17900 | 18400 | 14000 | 12700 | 11000 |
| 11.0                     |                                                                                                                             | 14000 | 14900 | 15400 | 13000 | 11700 | 10500 |
| 12.0                     |                                                                                                                             | 12000 | 12700 | 13200 | 12000 | 10900 | 10000 |
| 14.0                     |                                                                                                                             |       | 9500  | 10000 | 10300 | 9500  | 8800  |
| 16.0                     |                                                                                                                             |       | 7300  | 7800  | 8100  | 8300  | 7700  |
| 18.0                     |                                                                                                                             |       |       | 6100  | 6400  | 6700  | 6800  |
| 20.0                     |                                                                                                                             |       |       | 4900  | 5200  | 5500  | 5700  |
| 22.0                     |                                                                                                                             |       |       |       | 4200  | 4500  | 4700  |
| 24.0                     |                                                                                                                             |       |       |       | 3400  | 3700  | 3900  |
| 26.0                     |                                                                                                                             |       |       |       |       | 3000  | 3200  |
| 28.0                     |                                                                                                                             |       |       |       |       | 2400  | 2600  |
| 30.0                     |                                                                                                                             |       |       |       |       |       | 2100  |
| 32.0                     |                                                                                                                             |       |       |       |       |       | 1700  |
| I                        | 0                                                                                                                           | 0     | 0     | 0     | 0     | 0     | 0     |
| II                       | 0                                                                                                                           | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                          | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                         |       |       |       |       |       |       |

Table 2-13 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                                                 |       |       |       |       |       |       |       |       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY EXTENDED, outriggers intermediately extended, over side or rear working area, 7.5t fixed counterweight + 6.5t movable counterweight |       |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                                            | 17.3  | 21.9  | 26.4  | 30.9  | 35.4  | 39.9  | 44.4  | 49.0  |
| 3.0                      | 62000*                                                                                                                                                          | 52000 |       |       |       |       |       |       |       |
| 3.5                      | 52000                                                                                                                                                           | 48000 | 42000 |       |       |       |       |       |       |
| 4.0                      | 45000                                                                                                                                                           | 43000 | 40000 |       |       |       |       |       |       |
| 4.5                      | 40000                                                                                                                                                           | 38000 | 37000 | 31000 |       |       |       |       |       |
| 5.0                      | 38000                                                                                                                                                           | 36000 | 34000 | 31000 | 29000 |       |       |       |       |
| 5.5                      | 35000                                                                                                                                                           | 33500 | 31500 | 30000 | 28000 |       |       |       |       |
| 6.0                      | 30000                                                                                                                                                           | 27500 | 25000 | 26000 | 25000 | 22000 |       |       |       |
| 7.0                      | 23000                                                                                                                                                           | 22500 | 22000 | 23000 | 22000 | 21000 |       |       |       |
| 8.0                      | 18000                                                                                                                                                           | 17500 | 17000 | 18000 | 19000 | 20000 | 17000 |       |       |
| 9.0                      | 16000                                                                                                                                                           | 16000 | 15500 | 16500 | 17500 | 18000 | 16500 | 14000 |       |
| 10.0                     |                                                                                                                                                                 | 13000 | 12500 | 13500 | 14500 | 15000 | 15500 | 13500 | 10500 |
| 11.0                     |                                                                                                                                                                 | 10700 | 10500 | 11500 | 12200 | 12700 | 13000 | 12500 | 10000 |
| 12.0                     |                                                                                                                                                                 | 9000  | 8800  | 9700  | 10400 | 10900 | 11200 | 11500 | 9500  |
| 14.0                     |                                                                                                                                                                 | 6300  | 6100  | 7000  | 7600  | 8100  | 8400  | 8700  | 9000  |
| 16.0                     |                                                                                                                                                                 |       | 4100  | 5000  | 5600  | 6100  | 6400  | 6700  | 7000  |
| 18.0                     |                                                                                                                                                                 |       | 2700  | 3600  | 4200  | 4600  | 4900  | 5200  | 5500  |
| 20.0                     |                                                                                                                                                                 |       |       | 2500  | 3100  | 3500  | 3800  | 4100  | 4400  |
| 22.0                     |                                                                                                                                                                 |       |       | 1600  | 2200  | 2600  | 2900  | 3200  | 3500  |
| 24.0                     |                                                                                                                                                                 |       |       |       | 1500  | 1900  | 2200  | 2500  | 2700  |
| 26.0                     |                                                                                                                                                                 |       |       |       |       | 1300  | 1600  | 1800  | 2000  |
| 28.0                     |                                                                                                                                                                 |       |       |       |       |       | 1100  | 1300  | 1500  |
| 30.0                     |                                                                                                                                                                 |       |       |       |       |       |       | 900   | 1100  |
| 32.0                     |                                                                                                                                                                 |       |       |       |       |       |       |       |       |
| 34.0                     |                                                                                                                                                                 |       |       |       |       |       |       |       |       |
| I                        | 0                                                                                                                                                               | 4.7   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   |
| II                       | 0                                                                                                                                                               | 0     | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                                              | 10    | 8     | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                                             |       |       |       |       |       |       |       |       |

Table 2-14 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                                                          |       |       |       |       |       |       |       |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I INTERMEDIATELY EXTENDED, outriggers intermediately extended, over side or rear working area, 7.5t fixed counterweight + 6.5t movable counterweight |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                                                     | 17.3  | 21.8  | 26.3  | 30.8  | 35.3  | 39.8  | 44.4  |
| 3.0                      | 62000*                                                                                                                                                                   | 52000 | 31000 |       |       |       |       |       |
| 3.5                      | 52000                                                                                                                                                                    | 48000 | 31000 |       |       |       |       |       |
| 4.0                      | 45000                                                                                                                                                                    | 43000 | 31000 | 30000 |       |       |       |       |
| 4.5                      | 40000                                                                                                                                                                    | 38000 | 31000 | 30000 |       |       |       |       |
| 5.0                      | 38000                                                                                                                                                                    | 36000 | 31000 | 30000 | 24000 |       |       |       |
| 5.5                      | 35000                                                                                                                                                                    | 33500 | 30000 | 29000 | 24000 |       |       |       |
| 6.0                      | 30000                                                                                                                                                                    | 27500 | 26000 | 25000 | 24000 | 21000 |       |       |
| 7.0                      | 23000                                                                                                                                                                    | 22500 | 24000 | 23000 | 22000 | 20000 |       |       |
| 8.0                      | 18000                                                                                                                                                                    | 17500 | 19000 | 20500 | 20000 | 18500 | 15000 |       |
| 9.0                      | 16000                                                                                                                                                                    | 16000 | 17000 | 18000 | 18500 | 17500 | 14500 | 11500 |
| 10.0                     |                                                                                                                                                                          | 13000 | 14000 | 14800 | 15300 | 15800 | 14000 | 11000 |
| 11.0                     |                                                                                                                                                                          | 10700 | 11700 | 12500 | 13000 | 13500 | 12000 | 10500 |
| 12.0                     |                                                                                                                                                                          | 9000  | 10000 | 10600 | 11100 | 11500 | 10000 | 9500  |
| 14.0                     |                                                                                                                                                                          | 6300  | 7200  | 7800  | 8300  | 8700  | 9000  | 8500  |
| 16.0                     |                                                                                                                                                                          |       | 5400  | 6000  | 6500  | 6900  | 7200  | 7400  |
| 18.0                     |                                                                                                                                                                          |       |       | 4600  | 5000  | 5400  | 5700  | 5900  |
| 20.0                     |                                                                                                                                                                          |       |       | 3500  | 3900  | 4200  | 4500  | 4700  |
| 22.0                     |                                                                                                                                                                          |       |       |       | 3000  | 3300  | 3600  | 3800  |
| 24.0                     |                                                                                                                                                                          |       |       |       | 2300  | 2600  | 2900  | 3100  |
| 26.0                     |                                                                                                                                                                          |       |       |       | 1600  | 1900  | 2200  | 2400  |
| 28.0                     |                                                                                                                                                                          |       |       |       |       | 1400  | 1700  | 1900  |
| 30.0                     |                                                                                                                                                                          |       |       |       |       | 1000  | 1300  | 1500  |
| 32.0                     |                                                                                                                                                                          |       |       |       |       |       | 900   | 1100  |
| 34.0                     |                                                                                                                                                                          |       |       |       |       |       |       |       |
| 36.0                     |                                                                                                                                                                          |       |       |       |       |       |       |       |
| I                        | 0                                                                                                                                                                        | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   |
| II                       | 0                                                                                                                                                                        | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                                                       | 10    | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                                                      |       |       |       |       |       |       |       |

Table 2-15 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                                                  |       |       |       |       |       |       |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY RETRACTED, outriggers intermediately extended, over side or rear working area, 7.5t fixed counterweight + 6.5t movable counterweight |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                                             | 17.1  | 21.6  | 26.1  | 30.6  | 35.1  | 39.7  |
| 3.0                      | 62000*                                                                                                                                                           | 31000 | 30000 |       |       |       |       |
| 3.5                      | 52000                                                                                                                                                            | 31000 | 30000 |       |       |       |       |
| 4.0                      | 45000                                                                                                                                                            | 31000 | 30000 | 24000 |       |       |       |
| 4.5                      | 40000                                                                                                                                                            | 31000 | 30000 | 24000 |       |       |       |
| 5.0                      | 38000                                                                                                                                                            | 31000 | 30000 | 24000 | 21000 |       |       |
| 5.5                      | 35000                                                                                                                                                            | 31000 | 30000 | 24000 | 21000 |       |       |
| 6.0                      | 30000                                                                                                                                                            | 29000 | 29000 | 24000 | 20000 | 15000 |       |
| 7.0                      | 23000                                                                                                                                                            | 25000 | 27000 | 24000 | 18500 | 15000 |       |
| 8.0                      | 18000                                                                                                                                                            | 20000 | 22000 | 21000 | 16800 | 14500 | 12000 |
| 9.0                      | 16000                                                                                                                                                            | 18000 | 19000 | 19500 | 15300 | 13800 | 11500 |
| 10.0                     |                                                                                                                                                                  | 15000 | 15500 | 16000 | 14000 | 12700 | 11000 |
| 11.0                     |                                                                                                                                                                  | 12500 | 13000 | 13500 | 13000 | 11700 | 10500 |
| 12.0                     |                                                                                                                                                                  | 10500 | 11000 | 11500 | 11000 | 10500 | 10000 |
| 14.0                     |                                                                                                                                                                  |       | 8600  | 9100  | 9400  | 9000  | 8800  |
| 16.0                     |                                                                                                                                                                  |       | 6600  | 7100  | 7400  | 7700  | 7400  |
| 18.0                     |                                                                                                                                                                  |       |       | 5600  | 5900  | 6200  | 6400  |
| 20.0                     |                                                                                                                                                                  |       |       | 4500  | 4800  | 5000  | 5200  |
| 22.0                     |                                                                                                                                                                  |       |       |       | 3900  | 4100  | 4300  |
| 24.0                     |                                                                                                                                                                  |       |       |       | 3100  | 3300  | 3500  |
| 26.0                     |                                                                                                                                                                  |       |       |       |       | 2700  | 2900  |
| 28.0                     |                                                                                                                                                                  |       |       |       |       | 2100  | 2300  |
| 30.0                     |                                                                                                                                                                  |       |       |       |       |       | 1900  |
| 32.0                     |                                                                                                                                                                  |       |       |       |       |       | 1500  |
| I                        | 0                                                                                                                                                                | 0     | 0     | 0     | 0     | 0     | 0     |
| II                       | 0                                                                                                                                                                | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                                               | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                                              |       |       |       |       |       |       |

Table 2-16 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                                                    |       |       |       |       |       |       |       |       |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY EXTENDED, outriggers intermediately extended, over<br>side or rear working area, 7.5 t fixed counterweight + 4 t movable counterweight |       |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                                               | 17.3  | 21.9  | 26.4  | 30.9  | 35.4  | 39.9  | 44.4  | 49.0  |
| 3.0                      | 62000*                                                                                                                                                             | 52000 |       |       |       |       |       |       |       |
| 3.5                      | 52000                                                                                                                                                              | 48000 | 42000 |       |       |       |       |       |       |
| 4.0                      | 45000                                                                                                                                                              | 43000 | 40000 |       |       |       |       |       |       |
| 4.5                      | 40000                                                                                                                                                              | 38000 | 37000 | 31000 |       |       |       |       |       |
| 5.0                      | 38000                                                                                                                                                              | 36000 | 34000 | 31000 | 29000 |       |       |       |       |
| 5.5                      | 34000                                                                                                                                                              | 33500 | 31500 | 30000 | 28000 |       |       |       |       |
| 6.0                      | 28000                                                                                                                                                              | 27000 | 25000 | 26000 | 25000 | 22000 |       |       |       |
| 7.0                      | 21000                                                                                                                                                              | 20500 | 20000 | 23000 | 22000 | 21000 |       |       |       |
| 8.0                      | 16000                                                                                                                                                              | 15500 | 15000 | 17000 | 19000 | 19500 | 17000 |       |       |
| 9.0                      | 12000                                                                                                                                                              | 12000 | 11500 | 13500 | 15000 | 16000 | 16500 | 14000 |       |
| 10.0                     |                                                                                                                                                                    | 11000 | 10500 | 12000 | 13000 | 13500 | 14000 | 13500 | 10500 |
| 11.0                     |                                                                                                                                                                    | 9000  | 8500  | 9500  | 10500 | 11000 | 11500 | 12000 | 10000 |
| 12.0                     |                                                                                                                                                                    | 7500  | 7000  | 8000  | 9000  | 9500  | 10000 | 10300 | 9500  |
| 14.0                     |                                                                                                                                                                    | 4300  | 4800  | 5800  | 6500  | 7000  | 7500  | 7800  | 8000  |
| 16.0                     |                                                                                                                                                                    |       | 3200  | 4000  | 4700  | 5200  | 5600  | 5900  | 6100  |
| 18.0                     |                                                                                                                                                                    |       | 2000  | 2800  | 3300  | 3800  | 4200  | 4500  | 4700  |
| 20.0                     |                                                                                                                                                                    |       |       | 1800  | 2300  | 2800  | 3200  | 3500  | 3700  |
| 22.0                     |                                                                                                                                                                    |       |       | 1000  | 1500  | 2000  | 2400  | 2700  | 2900  |
| 24.0                     |                                                                                                                                                                    |       |       |       | 1000  | 1400  | 1700  | 2000  | 2200  |
| 26.0                     |                                                                                                                                                                    |       |       |       |       | 800   | 1100  | 1400  | 1600  |
| 28.0                     |                                                                                                                                                                    |       |       |       |       |       |       | 900   | 1100  |
| 30.0                     |                                                                                                                                                                    |       |       |       |       |       |       |       |       |
| 32.0                     |                                                                                                                                                                    |       |       |       |       |       |       |       |       |
| 34.0                     |                                                                                                                                                                    |       |       |       |       |       |       |       |       |
| I                        | 0                                                                                                                                                                  | 4.7   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   |
| II                       | 0                                                                                                                                                                  | 0     | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                                                 | 10    | 8     | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                                                |       |       |       |       |       |       |       |       |

Table 2-17 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                                                                |       |       |       |       |       |       |       |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I INTERMEDIATELY EXTENDED, outriggers intermediately<br>extended, over side or rear working area, 7.5 t fixed counterweight + 4 t movable<br>counterweight |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                                                           | 17.3  | 21.8  | 26.3  | 30.8  | 35.3  | 39.8  | 44.4  |
| 3.0                      | 62000*                                                                                                                                                                         | 52000 | 31000 |       |       |       |       |       |
| 3.5                      | 52000                                                                                                                                                                          | 48000 | 31000 |       |       |       |       |       |
| 4.0                      | 45000                                                                                                                                                                          | 43000 | 31000 | 30000 |       |       |       |       |
| 4.5                      | 40000                                                                                                                                                                          | 38000 | 31000 | 30000 |       |       |       |       |
| 5.0                      | 38000                                                                                                                                                                          | 36000 | 31000 | 30000 | 24000 |       |       |       |
| 5.5                      | 34000                                                                                                                                                                          | 33500 | 30000 | 29000 | 24000 |       |       |       |
| 6.0                      | 28000                                                                                                                                                                          | 27000 | 26000 | 25000 | 24000 | 21000 |       |       |
| 7.0                      | 21000                                                                                                                                                                          | 20500 | 23000 | 23000 | 22000 | 20000 |       |       |
| 8.0                      | 16000                                                                                                                                                                          | 15500 | 18000 | 20000 | 20000 | 18500 | 15000 |       |
| 9.0                      | 12000                                                                                                                                                                          | 12000 | 14500 | 16000 | 17000 | 17500 | 14500 | 11500 |
| 10.0                     |                                                                                                                                                                                | 11000 | 12500 | 13500 | 14000 | 14500 | 14000 | 11000 |
| 11.0                     |                                                                                                                                                                                | 9000  | 10000 | 11000 | 11500 | 12000 | 12000 | 10500 |
| 12.0                     |                                                                                                                                                                                | 7500  | 8500  | 9500  | 10000 | 10500 | 10000 | 9500  |
| 14.0                     |                                                                                                                                                                                | 4300  | 6300  | 7000  | 7500  | 7800  | 8100  | 8400  |
| 16.0                     |                                                                                                                                                                                |       | 4500  | 5200  | 5700  | 6000  | 6300  | 6600  |
| 18.0                     |                                                                                                                                                                                |       |       | 3800  | 4300  | 4600  | 4900  | 5200  |
| 20.0                     |                                                                                                                                                                                |       |       | 2800  | 3300  | 3600  | 3900  | 4100  |
| 22.0                     |                                                                                                                                                                                |       |       |       | 2400  | 2700  | 3000  | 3200  |
| 24.0                     |                                                                                                                                                                                |       |       |       | 1700  | 2000  | 2300  | 2500  |
| 26.0                     |                                                                                                                                                                                |       |       |       | 1200  | 1500  | 1700  | 1900  |
| 28.0                     |                                                                                                                                                                                |       |       |       |       | 1000  | 1200  | 1400  |
| 30.0                     |                                                                                                                                                                                |       |       |       |       |       | 900   | 1100  |
| 32.0                     |                                                                                                                                                                                |       |       |       |       |       |       |       |
| 34.0                     |                                                                                                                                                                                |       |       |       |       |       |       |       |
| 36.0                     |                                                                                                                                                                                |       |       |       |       |       |       |       |
| I                        | 0                                                                                                                                                                              | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   |
| II                       | 0                                                                                                                                                                              | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                                                             | 10    | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                                                            |       |       |       |       |       |       |       |

Table 2-18 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                                                  |       |       |       |       |       |       |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY RETRACTED, outriggers intermediately extended, over side or rear working area, 7.5 t fixed counterweight + 4 t movable counterweight |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                                             | 17.1  | 21.6  | 26.1  | 30.6  | 35.1  | 39.7  |
| 3.0                      | 62000*                                                                                                                                                           | 31000 | 30000 |       |       |       |       |
| 3.5                      | 52000                                                                                                                                                            | 31000 | 30000 |       |       |       |       |
| 4.0                      | 45000                                                                                                                                                            | 31000 | 30000 | 24000 |       |       |       |
| 4.5                      | 40000                                                                                                                                                            | 31000 | 30000 | 24000 |       |       |       |
| 5.0                      | 38000                                                                                                                                                            | 31000 | 30000 | 24000 | 21000 |       |       |
| 5.5                      | 34000                                                                                                                                                            | 31000 | 30000 | 24000 | 21000 |       |       |
| 6.0                      | 28000                                                                                                                                                            | 29000 | 29000 | 24000 | 20000 | 15000 |       |
| 7.0                      | 21000                                                                                                                                                            | 24000 | 26000 | 24000 | 18500 | 15000 |       |
| 8.0                      | 16000                                                                                                                                                            | 19000 | 21000 | 21000 | 16800 | 14500 | 12000 |
| 9.0                      | 12000                                                                                                                                                            | 15000 | 16500 | 17500 | 15300 | 13800 | 11500 |
| 10.0                     |                                                                                                                                                                  | 13000 | 14000 | 14500 | 14000 | 12700 | 11000 |
| 11.0                     |                                                                                                                                                                  | 11000 | 12000 | 12500 | 13000 | 11700 | 10500 |
| 12.0                     |                                                                                                                                                                  | 9000  | 10000 | 10500 | 11000 | 10500 | 10000 |
| 14.0                     |                                                                                                                                                                  |       | 7500  | 8000  | 8400  | 8700  | 8800  |
| 16.0                     |                                                                                                                                                                  |       | 5500  | 6000  | 6400  | 6700  | 7000  |
| 18.0                     |                                                                                                                                                                  |       |       | 4900  | 5200  | 5400  | 5700  |
| 20.0                     |                                                                                                                                                                  |       |       | 3800  | 4100  | 4300  | 4500  |
| 22.0                     |                                                                                                                                                                  |       |       |       | 3300  | 3500  | 3700  |
| 24.0                     |                                                                                                                                                                  |       |       |       | 2500  | 2700  | 2900  |
| 26.0                     |                                                                                                                                                                  |       |       |       |       | 2200  | 2400  |
| 28.0                     |                                                                                                                                                                  |       |       |       |       | 1700  | 1900  |
| 30.0                     |                                                                                                                                                                  |       |       |       |       |       | 1500  |
| 32.0                     |                                                                                                                                                                  |       |       |       |       |       | 1100  |
| I                        | 0                                                                                                                                                                | 0     | 0     | 0     | 0     | 0     | 0     |
| II                       | 0                                                                                                                                                                | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                                               | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                                              |       |       |       |       |       |       |

Table 2-19 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                     |       |       |       |       |       |       |       |       |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY EXTENDED, outriggers intermediately extended, over side or rear working area, 7.5 t fixed counterweight |       |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                | 17.3  | 21.9  | 26.4  | 30.9  | 35.4  | 39.9  | 44.4  | 49.0  |
| 3.0                      | 62000*                                                                                                                              | 52000 |       |       |       |       |       |       |       |
| 3.5                      | 52000                                                                                                                               | 48000 | 42000 |       |       |       |       |       |       |
| 4.0                      | 45000                                                                                                                               | 43000 | 40000 |       |       |       |       |       |       |
| 4.5                      | 40000                                                                                                                               | 38000 | 37000 | 31000 |       |       |       |       |       |
| 5.0                      | 37000                                                                                                                               | 36000 | 34000 | 31000 | 29000 |       |       |       |       |
| 5.5                      | 32000                                                                                                                               | 31500 | 30500 | 30000 | 28000 |       |       |       |       |
| 6.0                      | 26000                                                                                                                               | 25500 | 25000 | 26000 | 25000 | 22000 |       |       |       |
| 7.0                      | 19000                                                                                                                               | 18500 | 18000 | 20000 | 21000 | 21000 |       |       |       |
| 8.0                      | 14000                                                                                                                               | 13500 | 13000 | 15000 | 16000 | 17000 | 17000 |       |       |
| 9.0                      | 10500                                                                                                                               | 10500 | 10000 | 12000 | 13000 | 13500 | 14000 | 14000 |       |
| 10.0                     |                                                                                                                                     | 9000  | 8800  | 9800  | 10600 | 11100 | 11600 | 11900 | 10500 |
| 11.0                     |                                                                                                                                     | 7200  | 7000  | 8000  | 8800  | 9300  | 9800  | 10100 | 10000 |
| 12.0                     |                                                                                                                                     | 5700  | 5500  | 6500  | 7300  | 7800  | 8200  | 8500  | 8700  |
| 14.0                     |                                                                                                                                     | 3700  | 3500  | 4300  | 5000  | 5500  | 5900  | 6200  | 6400  |
| 16.0                     |                                                                                                                                     |       | 2000  | 2800  | 3400  | 3900  | 4300  | 4600  | 4800  |
| 18.0                     |                                                                                                                                     |       |       | 1600  | 2200  | 2700  | 3100  | 3400  | 3600  |
| 20.0                     |                                                                                                                                     |       |       | 800   | 1400  | 1900  | 2200  | 2500  | 2700  |
| 22.0                     |                                                                                                                                     |       |       |       |       | 1100  | 1400  | 1700  | 1900  |
| 24.0                     |                                                                                                                                     |       |       |       |       |       | 800   | 1100  | 1300  |
| 26.0                     |                                                                                                                                     |       |       |       |       |       |       |       | 800   |
| 28.0                     |                                                                                                                                     |       |       |       |       |       |       |       |       |
| 30.0                     |                                                                                                                                     |       |       |       |       |       |       |       |       |
| 32.0                     |                                                                                                                                     |       |       |       |       |       |       |       |       |
| 34.0                     |                                                                                                                                     |       |       |       |       |       |       |       |       |
| I                        | 0                                                                                                                                   | 4.7   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   |
| II                       | 0                                                                                                                                   | 0     | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                  | 10    | 8     | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                 |       |       |       |       |       |       |       |       |

Table 2-20 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                                 |       |       |       |       |       |       |       |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I INTERMEDIATELY EXTENDED, outriggers intermediately<br>extended, over side or rear working area, 7.5 t fixed counterweight |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                            | 17.3  | 21.8  | 26.3  | 30.8  | 35.3  | 39.8  | 44.4  |
| 3.0                      | 62000*                                                                                                                                          | 52000 | 31000 |       |       |       |       |       |
| 3.5                      | 52000                                                                                                                                           | 48000 | 31000 |       |       |       |       |       |
| 4.0                      | 45000                                                                                                                                           | 43000 | 31000 | 30000 |       |       |       |       |
| 4.5                      | 40000                                                                                                                                           | 38000 | 31000 | 30000 |       |       |       |       |
| 5.0                      | 37000                                                                                                                                           | 36000 | 31000 | 30000 | 24000 |       |       |       |
| 5.5                      | 32000                                                                                                                                           | 31500 | 30000 | 29000 | 24000 |       |       |       |
| 6.0                      | 26000                                                                                                                                           | 25500 | 26000 | 25000 | 24000 | 21000 |       |       |
| 7.0                      | 19000                                                                                                                                           | 18500 | 20000 | 21500 | 22000 | 20000 |       |       |
| 8.0                      | 14000                                                                                                                                           | 13500 | 15000 | 16500 | 17500 | 18000 | 15000 |       |
| 9.0                      | 10500                                                                                                                                           | 10500 | 12000 | 13000 | 13500 | 14000 | 14500 | 11500 |
| 10.0                     |                                                                                                                                                 | 9000  | 10000 | 11000 | 11500 | 12000 | 12300 | 11000 |
| 11.0                     |                                                                                                                                                 | 7200  | 8200  | 9200  | 9200  | 9700  | 10000 | 10500 |
| 12.0                     |                                                                                                                                                 | 5700  | 6700  | 7700  | 8200  | 8600  | 8900  | 9200  |
| 14.0                     |                                                                                                                                                 | 3700  | 4700  | 5300  | 5800  | 6200  | 6500  | 6800  |
| 16.0                     |                                                                                                                                                 |       | 3200  | 3800  | 4300  | 4700  | 5000  | 5200  |
| 18.0                     |                                                                                                                                                 |       |       | 2600  | 3100  | 3500  | 3800  | 4000  |
| 20.0                     |                                                                                                                                                 |       |       | 1700  | 2200  | 2500  | 2800  | 3000  |
| 22.0                     |                                                                                                                                                 |       |       |       | 1500  | 1800  | 2100  | 2300  |
| 24.0                     |                                                                                                                                                 |       |       |       | 900   | 1200  | 1500  | 1700  |
| 26.0                     |                                                                                                                                                 |       |       |       |       | 700   | 1000  | 1200  |
| 28.0                     |                                                                                                                                                 |       |       |       |       |       |       | 800   |
| 30.0                     |                                                                                                                                                 |       |       |       |       |       |       |       |
| 32.0                     |                                                                                                                                                 |       |       |       |       |       |       |       |
| 34.0                     |                                                                                                                                                 |       |       |       |       |       |       |       |
| 36.0                     |                                                                                                                                                 |       |       |       |       |       |       |       |
| I                        | 0                                                                                                                                               | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   |
| II                       | 0                                                                                                                                               | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                              | 10    | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                             |       |       |       |       |       |       |       |

Table 2-21 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                         |       |       |       |       |       |       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY RETRACTED, outriggers intermediately extended, over side<br>or rear working area, 7.5 t fixed counterweight |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                    | 17.1  | 21.6  | 26.1  | 30.6  | 35.1  | 39.7  |
| 3.0                      | 62000*                                                                                                                                  | 31000 | 30000 |       |       |       |       |
| 3.5                      | 52000                                                                                                                                   | 31000 | 30000 |       |       |       |       |
| 4.0                      | 45000                                                                                                                                   | 31000 | 30000 | 24000 |       |       |       |
| 4.5                      | 40000                                                                                                                                   | 31000 | 30000 | 24000 |       |       |       |
| 5.0                      | 37000                                                                                                                                   | 31000 | 30000 | 24000 | 21000 |       |       |
| 5.5                      | 32000                                                                                                                                   | 31000 | 30000 | 24000 | 21000 |       |       |
| 6.0                      | 26000                                                                                                                                   | 28000 | 29000 | 24000 | 20000 | 15000 |       |
| 7.0                      | 19000                                                                                                                                   | 21000 | 23000 | 22500 | 18500 | 15000 |       |
| 8.0                      | 14000                                                                                                                                   | 16000 | 18000 | 18500 | 16800 | 14500 | 12000 |
| 9.0                      | 10500                                                                                                                                   | 12500 | 14000 | 14500 | 15300 | 13800 | 11500 |
| 10.0                     |                                                                                                                                         | 11000 | 11500 | 12000 | 12500 | 12700 | 11000 |
| 11.0                     |                                                                                                                                         | 9000  | 9500  | 10000 | 10500 | 10700 | 10500 |
| 12.0                     |                                                                                                                                         | 7700  | 8200  | 8700  | 9200  | 9400  | 9600  |
| 14.0                     |                                                                                                                                         |       | 6000  | 6500  | 6900  | 7100  | 7300  |
| 16.0                     |                                                                                                                                         |       | 4400  | 4900  | 5300  | 5500  | 5700  |
| 18.0                     |                                                                                                                                         |       |       | 3700  | 4000  | 4200  | 4400  |
| 20.0                     |                                                                                                                                         |       |       | 2800  | 3100  | 3300  | 3500  |
| 22.0                     |                                                                                                                                         |       |       |       | 2300  | 2500  | 2700  |
| 24.0                     |                                                                                                                                         |       |       |       | 1700  | 1900  | 2100  |
| 26.0                     |                                                                                                                                         |       |       |       |       | 1400  | 1600  |
| 28.0                     |                                                                                                                                         |       |       |       |       | 1000  | 1200  |
| 30.0                     |                                                                                                                                         |       |       |       |       |       | 800   |
| 32.0                     |                                                                                                                                         |       |       |       |       |       |       |
| I                        | 0                                                                                                                                       | 0     | 0     | 0     | 0     | 0     | 0     |
| II                       | 0                                                                                                                                       | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                      | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                     |       |       |       |       |       |       |

Table 2-22 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                     |       |       |       |       |       |       |       |       |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY EXTENDED, outriggers intermediately extended, over side or rear working area, 4.5 t fixed counterweight |       |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                | 17.3  | 21.9  | 26.4  | 30.9  | 35.4  | 39.9  | 44.4  | 49.0  |
| 3.0                      | 62000*                                                                                                                              | 52000 |       |       |       |       |       |       |       |
| 3.5                      | 52000                                                                                                                               | 48000 | 42000 |       |       |       |       |       |       |
| 4.0                      | 45000                                                                                                                               | 43000 | 40000 |       |       |       |       |       |       |
| 4.5                      | 40000                                                                                                                               | 38000 | 37000 | 31000 |       |       |       |       |       |
| 5.0                      | 36000                                                                                                                               | 34000 | 32500 | 31000 | 29000 |       |       |       |       |
| 5.5                      | 29000                                                                                                                               | 28500 | 27000 | 28000 | 28000 |       |       |       |       |
| 6.0                      | 24000                                                                                                                               | 23500 | 22500 | 23500 | 24000 | 22000 |       |       |       |
| 7.0                      | 17000                                                                                                                               | 16500 | 16000 | 17000 | 17500 | 18000 |       |       |       |
| 8.0                      | 12500                                                                                                                               | 12000 | 11500 | 12500 | 13000 | 13500 | 14000 |       |       |
| 9.0                      | 9500                                                                                                                                | 9500  | 9200  | 10200 | 10700 | 11200 | 11700 | 12000 |       |
| 10.0                     |                                                                                                                                     | 7500  | 7200  | 8200  | 8700  | 9200  | 9700  | 10000 | 10200 |
| 11.0                     |                                                                                                                                     | 5700  | 5500  | 6500  | 7000  | 7500  | 8000  | 8300  | 8500  |
| 12.0                     |                                                                                                                                     | 4500  | 4300  | 5100  | 5600  | 6100  | 6600  | 6900  | 7100  |
| 14.0                     |                                                                                                                                     |       | 2300  | 3100  | 3600  | 4100  | 4600  | 4900  | 5100  |
| 16.0                     |                                                                                                                                     |       | 1000  | 1800  | 2300  | 2800  | 3200  | 3500  | 3700  |
| 18.0                     |                                                                                                                                     |       |       | 800   | 1300  | 1800  | 2200  | 2500  | 2700  |
| 20.0                     |                                                                                                                                     |       |       |       |       | 1000  | 1400  | 1700  | 1900  |
| 22.0                     |                                                                                                                                     |       |       |       |       |       | 700   | 1000  | 1200  |
| 24.0                     |                                                                                                                                     |       |       |       |       |       |       |       | 700   |
| 26.0                     |                                                                                                                                     |       |       |       |       |       |       |       |       |
| 28.0                     |                                                                                                                                     |       |       |       |       |       |       |       |       |
| 30.0                     |                                                                                                                                     |       |       |       |       |       |       |       |       |
| 32.0                     |                                                                                                                                     |       |       |       |       |       |       |       |       |
| 34.0                     |                                                                                                                                     |       |       |       |       |       |       |       |       |
| I                        | 0                                                                                                                                   | 4.7   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   | 9.3   |
| II                       | 0                                                                                                                                   | 0     | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                  | 10    | 8     | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                 |       |       |       |       |       |       |       |       |

Table 2-23 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                                 |       |       |       |       |       |       |       |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I INTERMEDIATELY EXTENDED, outriggers intermediately<br>extended, over side or rear working area, 4.5 t fixed counterweight |       |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                            | 17.3  | 21.8  | 26.3  | 30.8  | 35.3  | 39.8  | 44.4  |
| 3.0                      | 62000*                                                                                                                                          | 52000 | 31000 |       |       |       |       |       |
| 3.5                      | 52000                                                                                                                                           | 48000 | 31000 |       |       |       |       |       |
| 4.0                      | 45000                                                                                                                                           | 43000 | 31000 | 30000 |       |       |       |       |
| 4.5                      | 40000                                                                                                                                           | 38000 | 31000 | 30000 |       |       |       |       |
| 5.0                      | 36000                                                                                                                                           | 34000 | 31000 | 30000 | 24000 |       |       |       |
| 5.5                      | 29000                                                                                                                                           | 28500 | 29500 | 29000 | 24000 |       |       |       |
| 6.0                      | 24000                                                                                                                                           | 23500 | 24500 | 25000 | 24000 | 21000 |       |       |
| 7.0                      | 17000                                                                                                                                           | 16500 | 17500 | 18000 | 19000 | 19500 |       |       |
| 8.0                      | 12500                                                                                                                                           | 12000 | 13000 | 13500 | 14500 | 15000 | 15000 |       |
| 9.0                      | 9500                                                                                                                                            | 9500  | 10500 | 11000 | 12000 | 12500 | 13000 | 11500 |
| 10.0                     |                                                                                                                                                 | 7500  | 8500  | 9000  | 9800  | 10300 | 10600 | 10800 |
| 11.0                     |                                                                                                                                                 | 5700  | 6700  | 7200  | 8000  | 8500  | 8800  | 9000  |
| 12.0                     |                                                                                                                                                 | 4500  | 5500  | 6000  | 6800  | 7200  | 7500  | 7700  |
| 14.0                     |                                                                                                                                                 |       | 3500  | 4000  | 4700  | 5100  | 5400  | 5600  |
| 16.0                     |                                                                                                                                                 |       | 2200  | 2700  | 3300  | 3700  | 4000  | 4200  |
| 18.0                     |                                                                                                                                                 |       |       | 1800  | 2300  | 2600  | 2900  | 3100  |
| 20.0                     |                                                                                                                                                 |       |       | 1000  | 1500  | 1800  | 2000  | 2200  |
| 22.0                     |                                                                                                                                                 |       |       |       | 800   | 1100  | 1300  | 1500  |
| 24.0                     |                                                                                                                                                 |       |       |       |       |       | 800   | 1000  |
| 26.0                     |                                                                                                                                                 |       |       |       |       |       |       |       |
| 28.0                     |                                                                                                                                                 |       |       |       |       |       |       |       |
| 30.0                     |                                                                                                                                                 |       |       |       |       |       |       |       |
| 32.0                     |                                                                                                                                                 |       |       |       |       |       |       |       |
| 34.0                     |                                                                                                                                                 |       |       |       |       |       |       |       |
| 36.0                     |                                                                                                                                                 |       |       |       |       |       |       |       |
| I                        | 0                                                                                                                                               | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   |
| II                       | 0                                                                                                                                               | 0     | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                              | 10    | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                             |       |       |       |       |       |       |       |



Table 2-24 Rated capacity chart

Unit: Kg

| Working<br>radius<br>(m) | Boom length (m)                                                                                                                         |       |       |       |       |       |       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|
|                          | TELESCOPIC CYLINDER I FULLY RETRACTED, outriggers intermediately extended, over<br>side or rear working area, 4.5 t fixed counterweight |       |       |       |       |       |       |
|                          | 12.6                                                                                                                                    | 17.1  | 21.6  | 26.1  | 30.6  | 35.1  | 39.7  |
| 3.0                      | 62000*                                                                                                                                  | 31000 | 30000 |       |       |       |       |
| 3.5                      | 52000                                                                                                                                   | 31000 | 30000 |       |       |       |       |
| 4.0                      | 45000                                                                                                                                   | 31000 | 30000 | 24000 |       |       |       |
| 4.5                      | 40000                                                                                                                                   | 31000 | 30000 | 24000 |       |       |       |
| 5.0                      | 36000                                                                                                                                   | 31000 | 30000 | 24000 | 21000 |       |       |
| 5.5                      | 29000                                                                                                                                   | 31000 | 30000 | 24000 | 21000 |       |       |
| 6.0                      | 24000                                                                                                                                   | 26000 | 27000 | 24000 | 20000 | 15000 |       |
| 7.0                      | 17000                                                                                                                                   | 18500 | 19500 | 20500 | 18500 | 15000 |       |
| 8.0                      | 12500                                                                                                                                   | 14000 | 15000 | 16000 | 16800 | 14500 | 12000 |
| 9.0                      | 9500                                                                                                                                    | 11000 | 12000 | 12800 | 13300 | 13800 | 11500 |
| 10.0                     |                                                                                                                                         | 9000  | 10000 | 10500 | 11000 | 11300 | 11000 |
| 11.0                     |                                                                                                                                         | 7500  | 8200  | 8700  | 9200  | 9500  | 9700  |
| 12.0                     |                                                                                                                                         | 6000  | 6700  | 7200  | 7700  | 8000  | 8200  |
| 14.0                     |                                                                                                                                         |       | 5000  | 5400  | 5700  | 6000  | 6200  |
| 16.0                     |                                                                                                                                         |       | 3500  | 3900  | 4200  | 4500  | 4700  |
| 18.0                     |                                                                                                                                         |       |       | 2800  | 3100  | 3400  | 3600  |
| 20.0                     |                                                                                                                                         |       |       | 2000  | 2300  | 2600  | 2700  |
| 22.0                     |                                                                                                                                         |       |       |       | 1700  | 1900  | 2000  |
| 24.0                     |                                                                                                                                         |       |       |       | 1300  | 1400  | 1500  |
| 26.0                     |                                                                                                                                         |       |       |       |       | 900   | 1000  |
| 28.0                     |                                                                                                                                         |       |       |       |       |       | 700   |
| 30.0                     |                                                                                                                                         |       |       |       |       |       |       |
| 32.0                     |                                                                                                                                         |       |       |       |       |       |       |
| I                        | 0                                                                                                                                       | 0     | 0     | 0     | 0     | 0     | 0     |
| II                       | 0                                                                                                                                       | 4.5   | 9.0   | 13.5  | 18.0  | 22.5  | 27.1  |
| Reeving                  | 12                                                                                                                                      | 6     | 6     | 5     | 4     | 3     | 3     |
| Hook                     | 60t                                                                                                                                     |       |       |       |       |       |       |

Table 2-25 Rated capacity chart

Unit: Kg

| Boom<br>angle<br>(°) | Boom (m) + jib (m)                                                                                               |      |      |           |      |      |
|----------------------|------------------------------------------------------------------------------------------------------------------|------|------|-----------|------|------|
|                      | outriggers fully extended, over side or rear working area, 7.5t fixed counterweight + 6.5t movable counterweight |      |      |           |      |      |
|                      | 49.0+9.5                                                                                                         |      |      | 49.0+16.0 |      |      |
|                      | 0°                                                                                                               | 15°  | 30°  | 0°        | 15°  | 30°  |
| 80                   | 5000                                                                                                             | 3500 | 3000 | 3200      | 2200 | 1500 |
| 78                   | 5000                                                                                                             | 3500 | 3000 | 3200      | 2000 | 1500 |
| 76                   | 5000                                                                                                             | 3300 | 2800 | 3200      | 2000 | 1500 |
| 74                   | 4800                                                                                                             | 3300 | 2800 | 2800      | 2000 | 1500 |
| 72                   | 4300                                                                                                             | 3100 | 2800 | 2800      | 1800 | 1400 |
| 70                   | 4000                                                                                                             | 3000 | 2700 | 2600      | 1600 | 1400 |
| 68                   | 3800                                                                                                             | 3000 | 2600 | 2400      | 1600 | 1400 |
| 66                   | 3600                                                                                                             | 2900 | 2500 | 2200      | 1500 | 1400 |
| 64                   | 3300                                                                                                             | 2700 | 2400 | 2000      | 1500 | 1300 |
| 62                   | 2900                                                                                                             | 2500 | 2300 | 1900      | 1500 | 1300 |
| 60                   | 2500                                                                                                             | 2300 | 2100 | 1800      | 1400 | 1300 |
| 58                   | 2400                                                                                                             | 2100 | 1900 | 1700      | 1400 | 1200 |
| 56                   | 2100                                                                                                             | 2000 | 1700 | 1600      | 1300 | 1200 |
| 54                   | 1800                                                                                                             | 1700 | 1600 | 1500      | 1200 | 1100 |
| 52                   | 1550                                                                                                             | 1450 | 1400 | 1300      | 1200 | 1100 |
| 50                   | 1300                                                                                                             | 1250 | 1200 | 1100      | 1000 | 950  |
| 48                   | 1100                                                                                                             | 1050 | 1000 | 900       | 850  | 800  |
| 46                   | 900                                                                                                              | 850  | 800  | 750       | 700  | 650  |
| 44                   | 750                                                                                                              | 700  | 700  |           |      |      |
| 42                   |                                                                                                                  |      |      |           |      |      |
| 40                   |                                                                                                                  |      |      |           |      |      |
| Reeving              | 1                                                                                                                |      |      |           |      |      |
| Hook                 | 6t                                                                                                               |      |      |           |      |      |

Table 2-26 Rated capacity chart

Unit: Kg

| Boom<br>angle<br>(°) | Boom (m) + jib (m)                                                                                               |      |      |           |      |      |
|----------------------|------------------------------------------------------------------------------------------------------------------|------|------|-----------|------|------|
|                      | outriggers fully extended, over side or rear working area, 7.5 t fixed counterweight + 4 t movable counterweight |      |      |           |      |      |
|                      | 49.0+9.5                                                                                                         |      |      | 49.0+16.0 |      |      |
|                      | 0°                                                                                                               | 15°  | 30°  | 0°        | 15°  | 30°  |
| 80                   | 5000                                                                                                             | 3500 | 3000 | 3200      | 2200 | 1500 |
| 78                   | 5000                                                                                                             | 3500 | 3000 | 3200      | 2000 | 1500 |
| 76                   | 5000                                                                                                             | 3300 | 2800 | 3200      | 2000 | 1500 |
| 74                   | 4800                                                                                                             | 3300 | 2800 | 2800      | 2000 | 1500 |
| 72                   | 4300                                                                                                             | 3100 | 2800 | 2800      | 1800 | 1400 |
| 70                   | 4000                                                                                                             | 3000 | 2700 | 2600      | 1600 | 1400 |
| 68                   | 3800                                                                                                             | 3000 | 2600 | 2400      | 1600 | 1400 |
| 66                   | 3600                                                                                                             | 2900 | 2500 | 2200      | 1500 | 1400 |
| 64                   | 3300                                                                                                             | 2700 | 2400 | 2000      | 1500 | 1300 |
| 62                   | 2800                                                                                                             | 2500 | 2300 | 1900      | 1500 | 1300 |
| 60                   | 2400                                                                                                             | 2300 | 2100 | 1800      | 1400 | 1300 |
| 58                   | 2100                                                                                                             | 2000 | 1900 | 1700      | 1400 | 1200 |
| 56                   | 1800                                                                                                             | 1700 | 1600 | 1500      | 1300 | 1200 |
| 54                   | 1500                                                                                                             | 1400 | 1300 | 1200      | 1100 | 1100 |
| 52                   | 1200                                                                                                             | 1150 | 1100 | 1000      | 950  | 900  |
| 50                   | 1000                                                                                                             | 950  | 900  | 800       | 750  | 700  |
| 48                   | 800                                                                                                              | 750  | 700  | 650       | 600  |      |
| 46                   | 650                                                                                                              | 600  |      |           |      |      |
| 44                   |                                                                                                                  |      |      |           |      |      |
| 42                   |                                                                                                                  |      |      |           |      |      |
| 40                   |                                                                                                                  |      |      |           |      |      |
| Reeving              | 1                                                                                                                |      |      |           |      |      |
| Hook                 | 6t                                                                                                               |      |      |           |      |      |

Table 2-27 Rated capacity chart

Unit: Kg

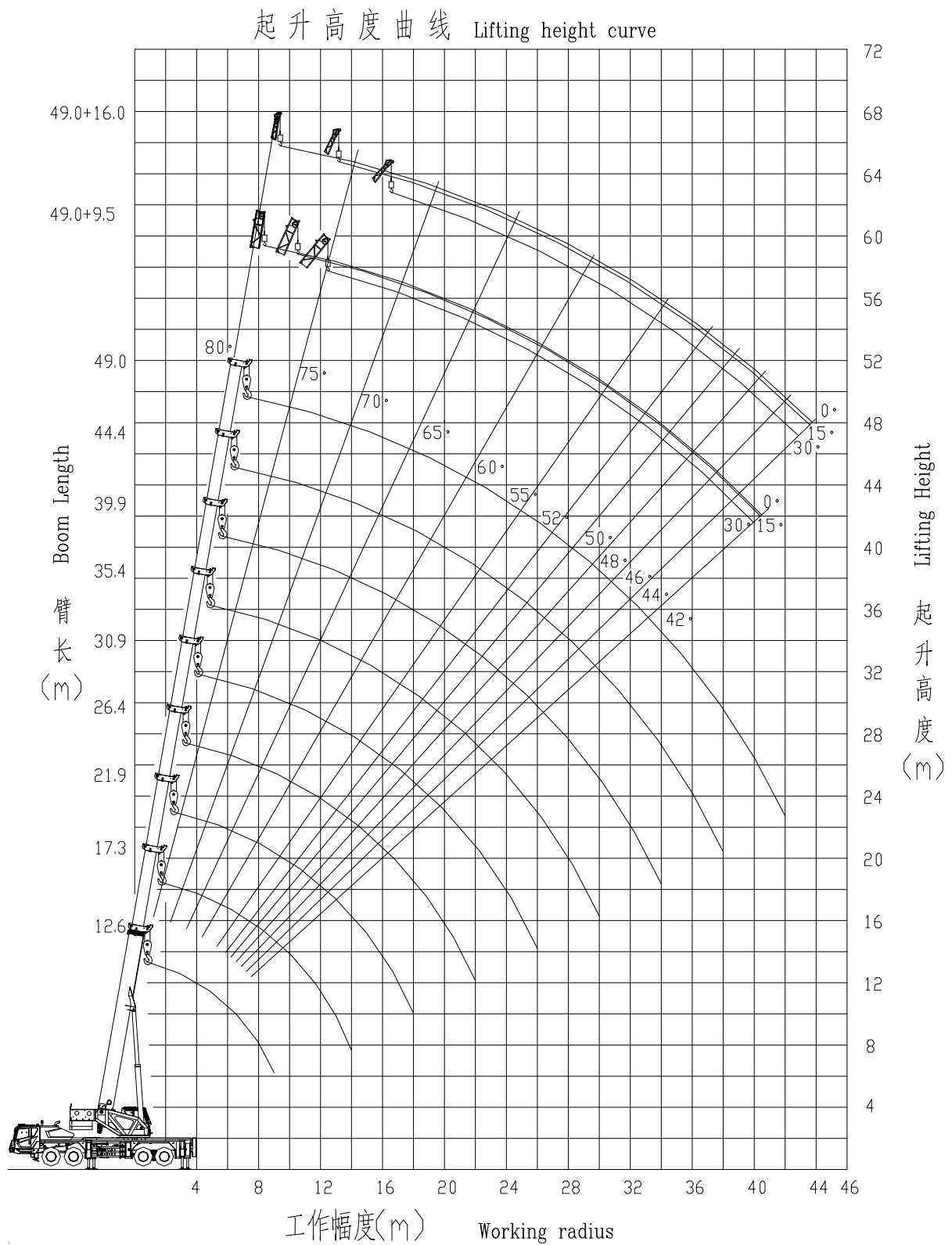
| Boom<br>angle<br>(°) | Boom (m) + jib (m)                                                                   |      |      |           |      |      |
|----------------------|--------------------------------------------------------------------------------------|------|------|-----------|------|------|
|                      | outriggers fully extended, over side or rear working area, 7.5 t fixed counterweight |      |      |           |      |      |
|                      | 49.0+9.5                                                                             |      |      | 49.0+16.0 |      |      |
|                      | 0°                                                                                   | 15°  | 30°  | 0°        | 15°  | 30°  |
| 80                   | 5000                                                                                 | 3500 | 3000 | 3200      | 2200 | 1500 |
| 78                   | 5000                                                                                 | 3500 | 3000 | 3200      | 2000 | 1500 |
| 76                   | 5000                                                                                 | 3300 | 2800 | 3200      | 2000 | 1500 |
| 74                   | 4800                                                                                 | 3300 | 2800 | 2800      | 2000 | 1500 |
| 72                   | 4300                                                                                 | 3100 | 2800 | 2800      | 1800 | 1400 |
| 70                   | 4000                                                                                 | 3000 | 2700 | 2600      | 1600 | 1400 |
| 68                   | 3800                                                                                 | 3000 | 2600 | 2400      | 1600 | 1400 |
| 66                   | 3200                                                                                 | 2900 | 2500 | 2200      | 1500 | 1400 |
| 64                   | 2700                                                                                 | 2500 | 2400 | 2000      | 1500 | 1300 |
| 62                   | 2200                                                                                 | 2000 | 2000 | 1900      | 1500 | 1300 |
| 60                   | 1800                                                                                 | 1700 | 1600 | 1600      | 1400 | 1300 |
| 58                   | 1500                                                                                 | 1400 | 1300 | 1200      | 1200 | 1000 |
| 56                   | 1200                                                                                 | 1100 | 1050 | 950       | 900  | 800  |
| 54                   | 900                                                                                  | 850  | 800  | 750       | 700  | 600  |
| 52                   | 700                                                                                  | 650  | 600  | 550       |      |      |
| 50                   |                                                                                      |      |      |           |      |      |
| 48                   |                                                                                      |      |      |           |      |      |
| 46                   |                                                                                      |      |      |           |      |      |
| 44                   |                                                                                      |      |      |           |      |      |
| 42                   |                                                                                      |      |      |           |      |      |
| 40                   |                                                                                      |      |      |           |      |      |
| Reeving              | 1                                                                                    |      |      |           |      |      |
| Hook                 | 6t                                                                                   |      |      |           |      |      |

Table 2-28 Rated capacity chart

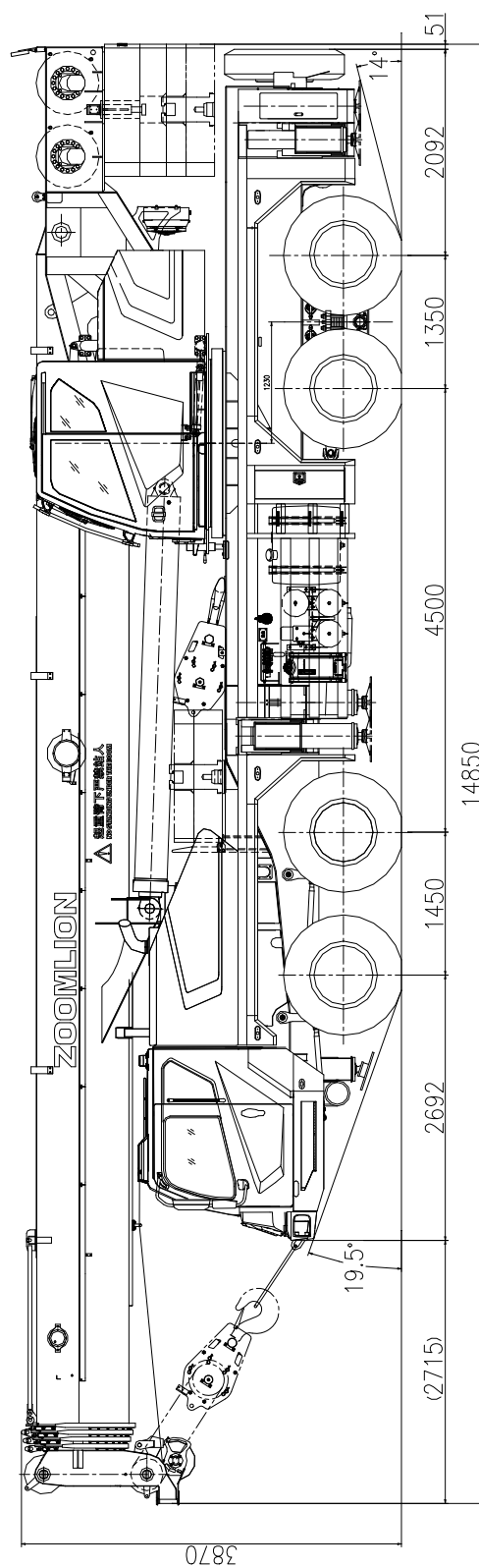
Unit: Kg

| Boom<br>angle<br>(°) | Boom (m) + jib (m)                                                                   |      |      |           |      |      |
|----------------------|--------------------------------------------------------------------------------------|------|------|-----------|------|------|
|                      | outriggers fully extended, over side or rear working area, 4.5 t fixed counterweight |      |      |           |      |      |
|                      | 49.0+9.5                                                                             |      |      | 49.0+16.0 |      |      |
|                      | 0°                                                                                   | 15°  | 30°  | 0°        | 15°  | 30°  |
| 80                   | 5000                                                                                 | 3500 | 3000 | 3200      | 2200 | 1500 |
| 78                   | 5000                                                                                 | 3500 | 3000 | 3200      | 2000 | 1500 |
| 76                   | 5000                                                                                 | 3300 | 2800 | 3200      | 2000 | 1500 |
| 74                   | 4800                                                                                 | 3300 | 2800 | 2800      | 2000 | 1500 |
| 72                   | 4300                                                                                 | 3100 | 2800 | 2800      | 1800 | 1400 |
| 70                   | 3800                                                                                 | 3000 | 2700 | 2600      | 1600 | 1400 |
| 68                   | 3200                                                                                 | 2900 | 2600 | 2400      | 1600 | 1400 |
| 66                   | 2600                                                                                 | 2400 | 2200 | 2100      | 1500 | 1400 |
| 64                   | 2100                                                                                 | 2000 | 1800 | 1750      | 1500 | 1300 |
| 62                   | 1700                                                                                 | 1600 | 1500 | 1450      | 1300 | 1200 |
| 60                   | 1350                                                                                 | 1250 | 1150 | 1100      | 1000 | 900  |
| 58                   | 1000                                                                                 | 950  | 900  | 850       | 750  | 700  |
| 56                   | 750                                                                                  | 700  | 650  | 600       |      |      |
| 54                   |                                                                                      |      |      |           |      |      |
| 52                   |                                                                                      |      |      |           |      |      |
| 50                   |                                                                                      |      |      |           |      |      |
| 48                   |                                                                                      |      |      |           |      |      |
| 46                   |                                                                                      |      |      |           |      |      |
| 44                   |                                                                                      |      |      |           |      |      |
| 42                   |                                                                                      |      |      |           |      |      |
| 40                   |                                                                                      |      |      |           |      |      |
| Reeving              | 1                                                                                    |      |      |           |      |      |
| Hook                 | 6t                                                                                   |      |      |           |      |      |

## 2.4 Lifting height chart



## 2.5 Overall view (Unit: Metric mm)



### 3 Components, superstructure

#### 3.1 Boom and telescoping mechanism

The box-shaped boom consists of 5 U-type boom sections made of low-alloy and high-strength steel plate, providing the boom with excellent bending-resistance capacity, super load bearing capacity, light deadweight, large lateral stiffness and small end deflection. Self-created built-in sliding block and a series of optimized design have the deadweight of the boom greatly decreased and the stress on the boom evenly distributed to avoid partial distortion. Furthermore, the boom has good guidance quality and adjustability. Boom head (excluding the telescopic boom section 4) adopts optimal plate structure which effectively increases the lap length of boom and ensures the basic boom length is the smallest one.

The telescopic boom sections are telescoped in / out via two telescopic cylinders and two sets of boom extension / retraction rope. The telescopic cylinder I drives the telescopic boom section 1 to telescope in / out; the telescopic cylinder II drives telescopic boom sections 2, 3, and 4 to telescope in / out simultaneously together with the boom extension / retraction rope. This compact design makes the crane work reliably. Each cylinder is fitted with a balance valve.

#### 3.2 Jib

It consists of two jib sections and is folded on the side of boom when it is not used and can be installed and removed by inserted pins.

Jib section 1, reducing and lattice structured, with good load bearing capacity.

Jib section 2, box-shaped, can be pulled out from jib section 1.

Jib section 1 is articulated on the head of top boom section with pins and can be assembled below an angle of 0°, 15° or 30° to the telescopic boom according to your needs. The angle can be conveniently changed via the pins and pull bracket.

Jib length:

Jib section 1: 9.5 m

Jib section 1 + jib section 2: 16 m

#### 3.3 Slewing platform

Single ribbed plate structured and optimized slewing platform made from high-strength steel plate makes the layout of articulated points of boom and derricking mechanism more reasonable. It also has a novel style and beautiful figure.

The engine hood is of a human-based layout.

The securing device installed in the front of the slewing platform can prevent the superstructure from slewing during driving.

#### 3.4 Rooster sheave

It is secured at the outside of the boom head when it is not used. It can be rotated around the shaft and pinned onto the boom head when it is used.

This option is set up for rapid hoists over the boom head to improve the working efficiency when the loads are light.

#### 3.5 Derricking mechanism

1 front-mounted hydraulic cylinder with safety balance valve provides the boom with smooth

derricking movements from  $-2^{\circ}$  to  $80^{\circ}$ .

### 3.6 Slewing mechanism

The slewing mechanism is equipped with a single slewing gear.

Via the planetary gear reducer, the hydraulic motor drives the pinion gear on the output shaft to rotate the exterior toothed ring of slewing ring fixed on chassis frame, providing superstructure with  $360^{\circ}$  unlimited slewing.

The slewing mechanism is of controllable aligning function, which can make the load be aligned automatically during operation. Slewing cushion valve and normally-closed brake can ensure stable and reliable slewing operation of the crane. 4-point contact ball-type slewing ring ensures the slewing platform with super-strong load bearing capability and long service life.

### 3.7 Hoist mechanism

It consists of main and auxiliary hoist mechanisms.

The two hoist mechanisms are driven by hydraulic variable motor with built-in planetary gear reducer to lift or lower the hook. A brake is fitted between the motor and reducer.

The two winch mechanisms can be controlled independently and also can carry out simultaneous movements.

Models of main and auxiliary winch reducers are the same.

Main and auxiliary winch adopt variable pumps.

The lowering limit switch is fitted on the main winch.

The built-in planetary reducer is of compact structure, light deadweight and high reliability.

Specifications for high-tensile torsion resistant hoist rope:

Diameter:  $\phi 20.0$  mm

Strength grade: 1870 N/mm<sup>2</sup>

Length of main hoist rope: 230 m

Length of auxiliary hoist rope: 180 m

### 3.8 Main and auxiliary hooks

Many kinds of hooks are available for options. See the table below.

| Model (t) | Number of pulleys | Max. reeving | Weight (Kg) | Remarks                                                     |
|-----------|-------------------|--------------|-------------|-------------------------------------------------------------|
| 60        | 6                 | 12           | 550         | Straight shank with single hook<br>(standard configuration) |
| 6         | -                 | 1            | 150         | Standard configuration                                      |
| 80        | 6                 | 12           | 580         | Straight shank with single hook<br>(optional)               |
| 70        | 6                 | 12           | 580         | Straight shank with single hook<br>(optional)               |
| 60        | 6                 | 12           | 565         | Straight shank with double hooks<br>(optional)              |

|    |   |   |     |                                            |
|----|---|---|-----|--------------------------------------------|
| 35 | 3 | 7 | 380 | Straight shank with single hook (optional) |
|----|---|---|-----|--------------------------------------------|

The Hook with pulley is installed with a press nipple, rotatable hook and hook safety device.

Anti-rotating auxiliary hook is with anti-rotation device and hook safety device.

### 3.9 Operator's cab

It is of steel-structure welded with right-mounted instrument console and adjustable seat with headrest. It is equipped with two joysticks, windshield wiper, washing system, air conditioning and heater. The arrangement provides spacious operating space, reasonable arrangement, human-based design, convenient and safe operation.

The operator's cab can be tilted upwards or downwards to broaden the operator's field of vision. It brakes steadily and is high reliable.

### 3.10 Outriggers

H-type outriggers, which are in box-shaped structure and welded of low-alloy and high-strength steel plate, are of good sectional performance and strong load bearing capability via Pro/E simulated design and actual-used calculation.

2-section horizontal outrigger beam can be extended and retracted with a horizontal cylinder and a set of outrigger extension / retraction rope. Large outrigger span ensures stability of the crane.

The outrigger pad which is mounted at the bottom of vertical cylinder can be pushed inwards (to avoid the complete vehicle from being over-wide during driving) and pulled outwards (for convenient operation) to greatly reduce the labor intensity. After the outriggers are fully extended or retracted, the outrigger pads can be locked with retaining pins.

Outrigger control levers are fitted on both sides of the vehicle for controlling the outriggers to extend or retract simultaneously or independently. Each vertical cylinder is equipped with a two-way hydraulic lock to ensure stable and reliable operation of the crane.

In addition, the crane also can work with outriggers intermediately extended for narrow area operation.

The 5<sup>th</sup> outrigger is installed beneath the driver's cab. The crane can realize full range slewing operation with the 5<sup>th</sup> outrigger set up.

### 3.11 Hydraulic system

The open-type hydraulic system adopts advanced pilot-operated proportional joysticks, hydraulic proportional control system and anti-pollution bite-type fitting to ensure the high reliability of the system. The main power element is the variable pump and dual unit gear pumps. Among which, the variable pump supplies hydraulic oil for main winch, auxiliary winch, derricking mechanism and telescoping mechanism; the front gear pump supplies hydraulic oil for chassis hydraulic system, slewing mechanism, while the rear gear pump supplies oil to the air conditioning system and counterweight lifting system.

The outrigger control valves are new-type manual multiple directional control valves to control the horizontal and vertical cylinders' movements. Each of them is fitted with a pressure limiting valve, thus, can prevent the piston rods of horizontal cylinders from bending. The 5<sup>th</sup> outrigger cylinder and vertical cylinder can be also controlled to retract simultaneously, so damage of the 5<sup>th</sup> outrigger cylinder can be avoided.

There is a slow speed function configured for hoisting, derricking, slewing and telescoping movements, which can be adjusted through the load moment limiter based on working need. Moreover, a counterweight handler and a cab tilting mechanism are also installed, realizing sound startup and braking stability and high system reliability.

### 3.12 Electrical system

Single wire system, negative grounded, 24 Volt DC.

The electrical system consists of superstructure electrical system and chassis electrical system.

The electrical system of superstructure includes the devices such as warning light "Main / auxiliary winch approaching upper limit", warning light "Main / auxiliary winch approaching lower limit", hoisting limit switch, lowering limit switch, overload protection device, emergency off switch etc., ensuring safe operation and providing good working environment.

The electrical system of chassis includes the USB / SD / MP3 player, air conditioning and heater etc, ensuring the safety driving performance and providing comfortable driving environment.

### 3.13 Safety devices

This crane is equipped with an automatic load moment limiter whose display and warning devices are all fitted in operator's cab.

If the actual load reaches 90% of the rated one, the warning light lights up and the buzzer sends out slow acoustic warning.

If the actual load approaches 100% of the rated one, the warning light lights up, the buzzer sends out fast acoustic warning and all dangerous movements are switched off.

The basic parameters, such as moment ratio, boom angle, boom length, working radius, actual lifting capacity, maximum permissible lifting capacity and maximum permissible lifting height will be displayed on the digital LCD.

This crane is also equipped with the following safety devices to ensure the crane safety:

- a) Boom angle indicator
- b) Hoisting limit switch
- c) Hook safety device
- d) Lowering limit switch
- e) The 5<sup>th</sup> outrigger overpressure protection device
- f) Two-way hydraulic lock
- g) Balance valve
- h) Relief valve

### 3.14 Air conditioning and heater

The operator's cab is equipped with special air conditioning and heater for vehicle.

### 3.15 Counterweight

Under standard configuration, the counterweight system consists of one 4.5 t fixed counterweight plate, one 3 t auxiliary counterweight, one 4 t lower counterweight, and one 2.5 t movable counterweight, which are 14 t in total.

There are four combinations of these counterweight plates:

Combination 1: 4.5 t fixed counterweight plate

Combination 2: 4.5 t fixed counterweight plate + 3 t auxiliary counterweight plate

Combination 3: 4.5 t fixed counterweight plate + 3 t auxiliary counterweight plate + 4 t lower counterweight plate

Combination 4: 4.5 t fixed counterweight plate + 3 t auxiliary counterweight plate + 4 t lower counterweight plate + 2.5 t movable counterweight plate

Among them, the 4.5 t fixed counterweight plate is bolted with the 3 t auxiliary counterweight plate, and the 4 t lower counterweight plate and 2.5 t movable counterweight plate are lifted through a

counterweight lifting cylinder.

#### 4 Specifications, chassis

|         |                                         |                                |                                                                           |
|---------|-----------------------------------------|--------------------------------|---------------------------------------------------------------------------|
| Chassis | Engine                                  | Model                          | WP10.375E33                                                               |
|         |                                         | Rated power      kW/r/min      | 276/1900                                                                  |
|         |                                         | Max. output torque   N.m/r/min | 1600/1100-1400                                                            |
|         |                                         | Manufacturer                   | Weichai Power Co., Ltd.                                                   |
|         | Model                                   |                                | ZLJ5461JQZV3                                                              |
|         | Type                                    |                                | II                                                                        |
|         | Code                                    |                                | ZLJ5461JQZV3.1                                                            |
|         | Limits for exhaust pollutants and smoke |                                | Comply with GB3847-2018<br>/ GB17691-2005<br>(Chinese National Stage III) |
|         | Manufacturer                            |                                | Zoomlion Heavy Industry Science &<br>Technology Co., Ltd.                 |
|         |                                         |                                |                                                                           |

For detailed information, please refer to *Technical Specifications, Special Purpose Chassis for Truck Crane*.

## Appendix

Table – Main purchased parts and manufacturers

| Ser. No. | Description                           | Manufacturer                                                             | Remarks |
|----------|---------------------------------------|--------------------------------------------------------------------------|---------|
| 1        | Main valve                            | Changde Zoomlion Hydraulic Co., Ltd.                                     |         |
| 2        | Plunger pump<br>(variable pump)       | Hi-tech Hydraulic Co., Ltd.                                              |         |
|          | Gear pump                             | Sichuan Changjiang Hydraulic Element Limited Liability Company           |         |
| 3        | Winch motor                           | Avic Liyuan Hydraulic Co., Ltd.                                          |         |
|          |                                       | Shanghai Electrical, Hydraulic and Pneumatic Co., Ltd.                   |         |
|          |                                       | Hi-tech Hydraulic Co., Ltd.                                              |         |
| 4        | Winch reducer                         | Xuzhou Keyuan Hydraulic Co., Ltd. Tongshan County Branch Company         |         |
|          |                                       | Shanghai Wanhui Mechanical Manufacture Co., Ltd.                         |         |
|          |                                       | Zhuzhou Gear Co., Ltd.                                                   |         |
|          |                                       | Taian Taishan Fusheng Gear Co., Ltd.                                     |         |
| 5        | Slewing motor                         | Avic Liyuan Hydraulic Co., Ltd.                                          |         |
|          |                                       | Shanghai Electrical, Hydraulic and Pneumatic Co., Ltd.                   |         |
|          |                                       | Beijing Huade Hydraulic Industrial Co., Ltd.c                            |         |
|          |                                       | Hi-tech Hydraulic Co., Ltd.                                              |         |
| 6        | Slewing reducer                       | Xuzhou Keyuan Hydraulic Co., Ltd. Tongshan County Branch Company         |         |
|          |                                       | Shanghai Wanhui Mechanical Manufacture Co., Ltd.                         |         |
|          |                                       | Zhuzhou Gear Co., Ltd.                                                   |         |
|          |                                       | Taian Taishan Fusheng Gear Co., Ltd.                                     |         |
| 7        | Slewing ring                          | Yantai Haiying Mechanical Co., Ltd.                                      |         |
|          |                                       | Yantai Haoyang Mechanical Co., Ltd.                                      |         |
| 8        | Telescopic cylinder                   | Hunan Teli Hydraulic Co., Ltd.                                           |         |
| 9        | Derricking cylinder                   | Hunan Teli Hydraulic Co., Ltd.                                           |         |
| 10       | Horizontal cylinder                   | Hunan Teli Hydraulic Co., Ltd.                                           |         |
| 11       | Vertical cylinder                     | Hunan Teli Hydraulic Co., Ltd.                                           |         |
| 12       | Balance valve – telescoping mechanism | Changde Zoomlion Heavy Industry Science & Technology Hydraulic Co., Ltd. |         |

|    |                                         |                                                                             |  |
|----|-----------------------------------------|-----------------------------------------------------------------------------|--|
| 13 | Balance valve –<br>derricking mechanism | Changde Zoomlion Heavy Industry Science &<br>Technology Hydraulic Co., Ltd. |  |
| 14 | Balance valve –<br>hoist mechanism      | Changde Zoomlion Heavy Industry Science &<br>Technology Hydraulic Co., Ltd. |  |
| 15 | Wire rope                               | Hubei Fuxing Science and Technology Co., Ltd.                               |  |
|    |                                         | Shanghai Junwei Sling Co., Ltd.                                             |  |
|    |                                         | Juli Sling Co., Ltd.                                                        |  |
|    |                                         | Jiangsu Safety Steel Rope Co., Ltd.                                         |  |
| 16 | Hook                                    | Shangdong Hong Ruida Mechanical Co., Ltd.                                   |  |
|    |                                         | Juli Sling Co., Ltd.                                                        |  |
|    |                                         | Changsha Lanying Industry Co., Ltd.                                         |  |
| 17 | Load moment limiter                     | Zoomlion Electrical Appliance Company                                       |  |
| 18 | Operator's cab assy.                    | Yangzhou Shenzhou Vehicle Interior Decorative<br>Parts Ltd., Co.            |  |

**Note:**

The equipment fitted in the crane is subject to changes due to design improvements or other reasons. Therefore, the above table is for reference only.