



**KOBELCO**

# 7800

## Hydraulic Crawler Crane

### Specifications

#### **Crawler Crane**

Max. Lifting Capacity: 750 metric ton x 5.6 m

#### **Luffing Jib**

Max. Lifting Capacity: 230 metric ton x 22.0 m

#### **HL (Heavy Lift)**

Max. Lifting Capacity: 450 metric ton x 10.0 m

#### **SHL (Super Heavy Lift)**

Max. Lifting Capacity: 450 metric ton x 18.0 m



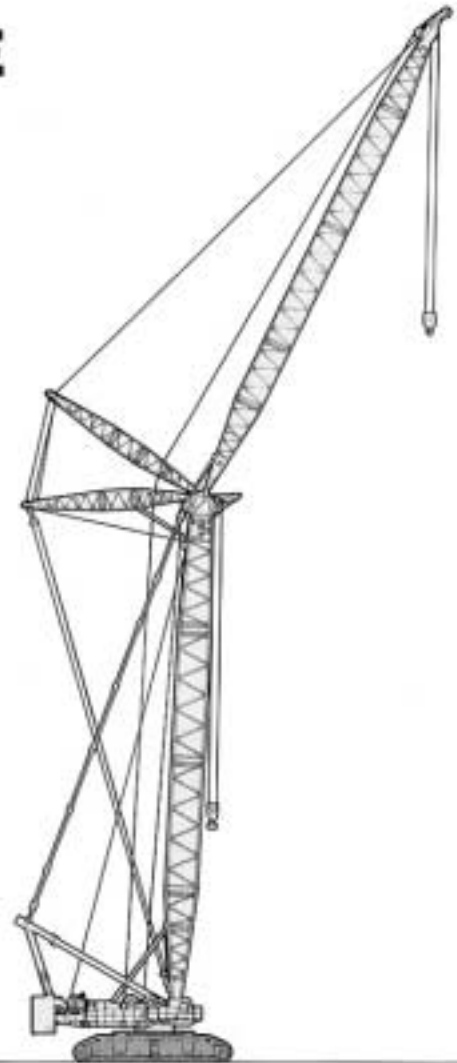
**KOBE STEEL, LTD.**



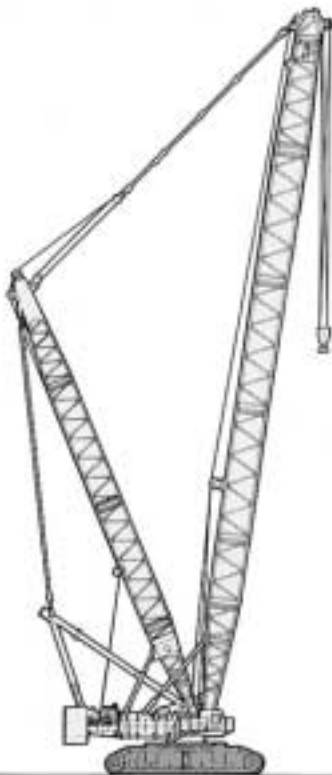
## CONFIGURATION & STYLE OF ATTACHMENT



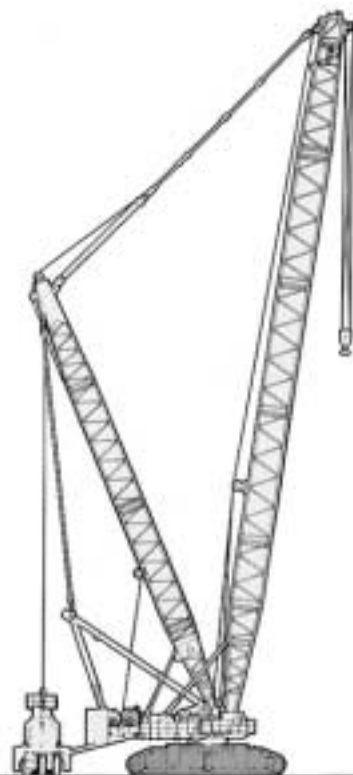
**CRAWLER CRANE**



**LUFFING JIB**



**HEAVY LIFT (HL)**



**SUPER HEAVY LIFT (SHL)**



| Style                                           | Crawler Crane   |                 |            | Luffing Jib   |                       | HL         |            | SHL                  |                      |                      |
|-------------------------------------------------|-----------------|-----------------|------------|---------------|-----------------------|------------|------------|----------------------|----------------------|----------------------|
|                                                 | Heavy Duty Boom | Light Duty Boom |            | Fixed Boom    | Variable Angling Boom | —          | —          | —                    | —                    | —                    |
| Counterweight                                   | A               | A               | B          | B             | B*                    | A          | B          | T <sub>(15.6m)</sub> | T <sub>(18.0m)</sub> | T <sub>(20.0m)</sub> |
| <b>SPECIFICATION</b>                            |                 |                 |            |               |                       |            |            |                      |                      |                      |
| Max. lifting capacity (metric ton x m)          | 750 x 5.6       | 450 x 10.0      | 355 x 11.0 | 230 x 22.0    | 230 x 16.0            | 450 x 10.0 | 288 x 14.0 | 450 x 16.0           | 450 x 18.0           | 450 x 18.0           |
| Max. total length (boom + Jib)                  | 42.67           | 103.6           | 115.8      | 85.34 + 73.15 | 85.34 + 73.15         | 103.6      | 115.8      | 121.9                | 121.9                | 121.9                |
| <b>COUNTERWEIGHT</b>                            |                 |                 |            |               |                       |            |            |                      |                      |                      |
| Std. Counterweight (168 metric ton)             | ○               | ○               | ○          | ○             | ○                     | ○          | ○          | ○                    | ○                    | ○                    |
| Additional counterweight (37.0 metric ton)      | —               | —               | ○          | ○             | ○*                    | —          | ○          | —                    | —                    | —                    |
| Counterweight Trailer (240 Metric ton)          | —               | —               | —          | —             | —                     | —          | —          | ○                    | ○                    | ○                    |
| <b>BASIC BOOM</b>                               |                 |                 |            |               |                       |            |            |                      |                      |                      |
| 12.19m (40') lower boom                         | 1               | 1               | 1          | 1             | 1                     | 1          | 1          | 1                    | 1                    | 1                    |
| 6.10m (20') heavy duty upper boom               | 1               | —               | —          | —             | —                     | —          | —          | —                    | —                    | —                    |
| 10.67m (35') + 1.52m (5') light duty upper boom | —               | 1               | 1          | 1             | 1                     | 1          | 1          | 1                    | 1                    | 1                    |
| <b>BOOM INSERT</b>                              |                 |                 |            |               |                       |            |            |                      |                      |                      |
| 6.10m (20') insert boom                         | —               | 1               | 1          | —             | —                     | 1          | 1          | —                    | —                    | —                    |
| 12.19m (30') insert boom                        | 2               | 6               | 7          | 5             | 5                     | 6          | 7          | 8                    | 8                    | 8                    |
| Box-type mast                                   | 1               | 1               | 1          | 1             | 1                     | 1          | 1          | 1                    | 1                    | 1                    |
| <b>LUFFING JIB</b>                              |                 |                 |            |               |                       |            |            |                      |                      |                      |
| 9.14m (30') upper jib                           | —               | —               | —          | 1             | 1                     | —          | —          | —                    | —                    | —                    |
| 9.14m (30') Lower jib                           | —               | —               | —          | 1             | 1                     | —          | —          | —                    | —                    | —                    |
| 6.10m (20') insert jib                          | —               | —               | —          | 1             | 1                     | —          | —          | —                    | —                    | —                    |
| 12.19m (40') insert jib                         | —               | —               | —          | 4             | 4                     | —          | —          | —                    | —                    | —                    |
| <b>MAST</b>                                     |                 |                 |            |               |                       |            |            |                      |                      |                      |
| 9.14m (30') upper mast                          | —               | —               | —          | —             | —                     | 1          | 1          | 1                    | 1                    | 1                    |
| 9.14m (30') lower mast                          | —               | —               | —          | —             | —                     | 1          | 1          | 1                    | 1                    | 1                    |
| 12.19m (40') insert mast                        | —               | —               | —          | —             | —                     | 3          | 3          | 3                    | 3                    | 3                    |

Note: ● A in the column weight above means "with standard counterweight". B means "with standard counterweight +additional counterweight".

T means "with standard counterweight +counterweight trailer".

● Figures of the Boom & Jib above shown mean the numbers for the maximum length respectively.

● B\* is applicable for the boom length of over 60.96m.



# RATING CHART FOR CRAWLER CRANE

## HEAVY-DUTY MAIN BOOM

Heavy boom/ with standard counterweight

Unit: metric ton

| Working radius (m) \ Boom length (ft) | 18.29 (60) | 24.38 (80) | 30.48 (100) | 36.58 (120) | 42.67 (140) |
|---------------------------------------|------------|------------|-------------|-------------|-------------|
| 5                                     | 5.6m/750.0 |            |             |             |             |
| 6                                     | 720.0      | 6.3m/650.0 |             |             |             |
| 7                                     | 660.0      | 650.0      | 7.2m/597.0  |             |             |
| 8                                     | 606.0      | 604.0      | 597.0       | 532.0       |             |
| 9                                     | 550.0      | 549.0      | 548.0       | 527.0       | 466.0       |
| 10                                    | 500.0      | 499.0      | 498.0       | 496.0       | 462.0       |
| 12                                    | 418.0      | 417.0      | 411.0       | 406.0       | 400.0       |
| 14                                    | 346.0      | 346.0      | 341.0       | 336.0       | 331.0       |
| 16                                    | 294.0      | 295.0      | 291.0       | 287.0       | 282.0       |
| 18                                    | 226.0      | 256.0      | 253.0       | 249.0       | 245.0       |
| 20                                    |            | 226.0      | 223.0       | 220.0       | 216.0       |
| 22                                    |            | 199.0      | 199.0       | 197.0       | 193.0       |
| 24                                    |            |            | 175.0       | 174.0       | 173.0       |
| 26                                    |            |            | 155.0       | 155.0       | 154.0       |
| 28                                    |            |            | 139.0       | 139.0       | 138.0       |
| 30                                    |            |            |             | 125.0       | 124.0       |
| 34                                    |            |            |             | 104.0       | 103.0       |
| 38                                    |            |            |             |             | 87.0        |

### Notes :

- Working radius is the horizontal distance from the center of rotation through the center of gravity of load.
- Ratings do not exceed 78% of tipping load on the hard horizontal ground and includes weight of hook block, slings and all other load handling accessories from main boom or jib rating shown.
- Ratings shown are based on freely suspended load and make no allowance for such factors as wind effect on lifted load, out-of-level ground conditions, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speed accordingly.
- No operation is possible in the range indicated by blank spaces in the chart.
- The actual hoistable loads using main boom must be calculated by deducting the weight of main hook, slings and all other load handling accessories etc. from the ratings shown.
- The actual hoistable loads using jib must be calculated by deducting the weight of jib hook, slings and all other loads handling accessories etc. from the rating shown.
- Configurations of main Boom/Jib inserts and guy cables installations must be arranged as per the instruction of the owner and operator's manual, to be provided with machine.
- Hook block weight and capacity (metric ton).

|                  |     |     |     |     |      |
|------------------|-----|-----|-----|-----|------|
| Capacity of hook | 450 | 230 | 100 | 50  | 16.5 |
| Weight           | 9.1 | 6.6 | 4.6 | 2.4 | 0.94 |

### 9. Max. hoisting load

(Single Drum)

|                        |       |       |       |       |       |       |       |       |       |       |       |       |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| No. of Parts of Line   | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |
| Max. Load (metric ton) | 16.5  | 33.0  | 49.5  | 66.0  | 82.5  | 99.0  | 115.5 | 132.0 | 148.5 | 165.0 | 181.1 | 199.0 |
| No. of Parts of Line   | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20    | 22    | 24    | 26    | 28    |
| Max. Load (Metric ton) | 214.5 | 230.0 | 243.0 | 257.0 | 270.0 | 283.0 | 296.0 | 309.0 | 334.0 | 357.0 | 380.0 | 402.0 |

(Double Drum)

|                        |       |       |       |       |       |       |       |       |       |       |       |       |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| No. of Parts of Line   | 2     | 4     | 6     | 8     | 10    | 12    | 14    | 16    | 18    | 20    | 22    | 24    |
| Max. Load (metric ton) | 33.0  | 66.0  | 99.0  | 132.0 | 165.0 | 198.0 | 230.0 | 264.0 | 297.0 | 330.0 | 363.0 | 396.0 |
| No. of Parts of Line   | 26    | 28    | 30    | 32    | 34    | 36    | 38    | 40    | 42    | 44    | 46    | 48    |
| Max. Load (Metric ton) | 439.0 | 482.0 | 512.0 | 541.0 | 569.0 | 597.0 | 624.0 | 651.0 | 677.0 | 703.0 | 728.0 | 750.0 |

- Auxiliary sheave will be installed with 30.48 m (100') to 97.54 m (320') length of light duty boom and 24.38 m (80') to 67.06 m (220') length of boom for luffing jib.
- Rating of aux. sheaves is the figure after the weight of aux. sheave (700 kg for light duty boom, 800 kg for boom for luffing jib) and main hook deducted from the rating of boom, but shall not exceed more than 12.5 metric ton.
- Actual hoistable loads using aux. sheave must be calculated by deducting 12.5 metric ton ball-hook, slings and other loads handling accessories from the rating shown.



**LIGHT DUTY MAIN BOOM****Light-duty boom/with standard counterweight**

Unit : metric ton

| Boom length<br>m (ft)<br>Working radius (m) | 24.38<br>(80) | 30.48<br>(100) | 36.58<br>(120) | 42.67<br>(140) | 48.77<br>(160) | 54.86<br>(180) | 60.96<br>(200) | 67.06<br>(220) | 73.15<br>(240) | 79.25<br>(260) | 85.34<br>(280) | 91.44<br>(300) | 97.54<br>(320) | 103.6<br>(340) |
|---------------------------------------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 6.5                                         | 450.0         |                |                |                |                |                |                |                |                |                |                |                |                |                |
| 7                                           | 450.0         | 7.6m/450       |                |                |                |                |                |                |                |                |                |                |                |                |
| 8                                           | 450.0         | 450.0          | 8.5m/450       |                |                |                |                |                |                |                |                |                |                |                |
| 9                                           | 450.0         | 450.0          | 450.0          | 9.3m/450       |                |                |                |                |                |                |                |                |                |                |
| 10                                          | 450.0         | 450.0          | 450.0          | 447.0          | 10.2m/355      | 11.0m/355      |                |                |                |                |                |                |                |                |
| 12                                          | 421.0         | 415.0          | 409.0          | 404.0          | 394.0          | 351.0          | 311.0          | 12.7m/272      | 13.6m/239      |                |                |                |                |                |
| 14                                          | 349.0         | 345.0          | 340.0          | 335.0          | 334.0          | 330.0          | 299.0          | 265.0          | 237.0          | 14.4m/211      | 15.3m/187      |                |                |                |
| 16                                          | 298.0         | 294.0          | 290.0          | 286.0          | 285.0          | 281.0          | 278.0          | 256.0          | 229.0          | 206.0          | 184.0          | 16.1m/165      | 17.0m/147      | 17.8m/130      |
| 18                                          | 259.0         | 256.0          | 253.0          | 249.0          | 248.0          | 244.0          | 242.0          | 239.0          | 222.0          | 199.0          | 179.0          | 161.0          | 145.0          | 130.0          |
| 20                                          | 229.0         | 227.0          | 224.0          | 220.0          | 219.0          | 216.0          | 213.0          | 210.0          | 208.0          | 192.0          | 174.0          | 156.0          | 141.0          | 127.0          |
| 22                                          | 202.0         | 202.0          | 200.0          | 197.0          | 196.0          | 193.0          | 190.0          | 187.0          | 185.0          | 182.0          | 168.0          | 151.0          | 136.0          | 122.0          |
| 24                                          |               | 178.0          | 178.0          | 177.0          | 176.0          | 174.0          | 171.0          | 169.0          | 166.0          | 164.0          | 162.0          | 146.0          | 131.0          | 118.0          |
| 26                                          |               | 158.0          | 158.0          | 157.0          | 156.0          | 155.0          | 154.0          | 153.0          | 151.0          | 148.0          | 146.0          | 140.0          | 126.0          | 113.0          |
| 28                                          |               | 142.0          | 142.0          | 141.0          | 140.0          | 139.0          | 138.0          | 137.0          | 136.0          | 135.0          | 133.0          | 131.0          | 121.0          | 108.0          |
| 30                                          |               |                | 129.0          | 127.0          | 126.0          | 125.0          | 124.0          | 123.0          | 122.0          | 121.0          | 120.0          | 119.0          | 118.0          | 103.0          |
| 34                                          |               |                | 108.0          | 106.0          | 105.0          | 104.0          | 103.0          | 102.0          | 101.0          | 100.0          | 99.0           | 98.0           | 97.0           | 96.0           |
| 38                                          |               |                |                | 90.0           | 89.0           | 88.0           | 87.0           | 86.0           | 85.0           | 84.0           | 83.0           | 81.0           | 80.0           | 79.0           |
| 42                                          |               |                |                |                | 76.0           | 75.0           | 74.0           | 73.0           | 72.0           | 71.0           | 70.0           | 68.0           | 67.0           | 66.0           |
| 46                                          |               |                |                |                |                | 65.0           | 64.0           | 63.0           | 62.0           | 60.0           | 59.0           | 58.0           | 57.0           | 56.0           |
| 50                                          |               |                |                |                |                | 57.0           | 56.0           | 55.0           | 54.0           | 52.0           | 51.0           | 50.0           | 49.0           | 47.0           |
| 54                                          |               |                |                |                |                |                | 49.0           | 48.0           | 47.0           | 45.0           | 44.0           | 43.0           | 42.0           | 40.0           |
| 58                                          |               |                |                |                |                |                |                | 42.0           | 41.0           | 39.0           | 38.0           | 37.0           | 36.0           | 34.0           |
| 62                                          |               |                |                |                |                |                |                |                | 36.0           | 34.0           | 33.0           | 32.0           | 30.0           | 28.0           |
| 66                                          |               |                |                |                |                |                |                |                | 32.0           | 30.0           | 29.0           | 27.0           | 25.0           | 23.0           |
| 70                                          |               |                |                |                |                |                |                |                |                | 26.0           | 24.0           | 22.0           | 20.0           | 19.0           |
| 74                                          |               |                |                |                |                |                |                |                |                |                | 21.0           | 19.0           | 17.0           | 15.0           |
| 78                                          |               |                |                |                |                |                |                |                |                |                |                | 15.0           | 13.0           | 11.0           |

**Light duty boom/with standard counterweight + additional counterweight**

Unit : metric ton

| Boom length<br>m (ft)<br>Working radius (m) | 54.86<br>(180) | 60.96<br>(200) | 67.06<br>(220) | 73.15<br>(240) | 79.25<br>(260) | 85.34<br>(280) | 91.44<br>(300) | 97.54<br>(320) | 103.6<br>(340) | 109.7<br>(360) | 115.8<br>(380) |
|---------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 11                                          | 355.0          |                |                |                |                |                |                |                |                |                |                |
| 12                                          | 351.0          | 311.0          | 12.7m/272      | 13.6m/239      |                |                |                |                |                |                |                |
| 14                                          | 330.0          | 299.0          | 265.0          | 237.0          | 14.4m/211      | 15.3m/187      |                |                |                |                |                |
| 16                                          | 281.0          | 278.0          | 256.0          | 229.0          | 206.0          | 184.0          | 16.1m/165      | 17.0m/147      | 17.8m/130      |                |                |
| 18                                          | 244.0          | 242.0          | 239.0          | 222.0          | 199.0          | 179.0          | 161.0          | 145.0          | 130.0          | 18.7m/121      | 19.5m/105      |
| 20                                          | 216.0          | 213.0          | 210.0          | 208.0          | 192.0          | 174.0          | 156.0          | 141.0          | 127.0          | 120.0          | 105.0          |
| 22                                          | 193.0          | 190.0          | 187.0          | 185.0          | 182.0          | 168.0          | 151.0          | 136.0          | 122.0          | 118.0          | 103.0          |
| 24                                          | 174.0          | 171.0          | 169.0          | 166.0          | 164.0          | 162.0          | 146.0          | 131.0          | 118.0          | 110.0          | 101.0          |
| 26                                          | 158.0          | 155.0          | 153.0          | 151.0          | 148.0          | 146.0          | 140.0          | 126.0          | 113.0          | 106.0          | 95.0           |
| 28                                          | 145.0          | 142.0          | 140.0          | 137.0          | 135.0          | 133.0          | 131.0          | 121.0          | 108.0          | 102.0          | 92.0           |
| 30                                          | 133.0          | 130.0          | 128.0          | 126.0          | 124.0          | 122.0          | 120.0          | 118.0          | 103.0          | 98.0           | 88.0           |
| 34                                          | 114.0          | 112.0          | 110.0          | 108.0          | 105.0          | 103.0          | 101.0          | 99.0           | 96.0           | 91.0           | 80.0           |
| 38                                          | 99.0           | 97.0           | 95.0           | 93.0           | 91.0           | 89.0           | 87.0           | 85.0           | 83.0           | 81.0           | 73.0           |
| 42                                          | 88.0           | 86.0           | 83.0           | 81.0           | 79.0           | 78.0           | 75.0           | 74.0           | 72.0           | 70.0           | 65.0           |
| 46                                          | 77.0           | 75.0           | 74.0           | 72.0           | 70.0           | 68.0           | 66.0           | 64.0           | 62.0           | 61.0           | 59.0           |
| 50                                          | 67.0           | 66.0           | 65.0           | 64.0           | 62.0           | 60.0           | 58.0           | 56.0           | 54.0           | 53.0           | 51.0           |
| 54                                          |                | 59.0           | 57.0           | 56.0           | 55.0           | 53.0           | 51.0           | 49.0           | 47.0           | 46.0           | 44.0           |
| 58                                          |                |                | 51.0           | 50.0           | 48.0           | 47.0           | 46.0           | 44.0           | 42.0           | 40.0           | 38.0           |
| 62                                          |                |                |                | 44.0           | 42.0           | 41.0           | 40.0           | 39.0           | 37.0           | 35.0           | 33.0           |
| 66                                          |                |                |                | 38.0           | 37.0           | 36.0           | 35.0           | 34.0           | 32.0           | 31.0           | 29.0           |
| 70                                          |                |                |                |                | 33.0           | 32.0           | 31.0           | 29.0           | 27.0           | 26.0           | 24.0           |
| 74                                          |                |                |                |                |                | 28.0           | 27.0           | 25.0           | 23.0           | 21.0           | 19.0           |
| 78                                          |                |                |                |                |                |                | 23.0           | 21.0           | 19.0           | 17.0           | 15.0           |
| 82                                          |                |                |                |                |                |                |                | 17.0           | 15.0           | 14.0           |                |

Note: Ratings above the ..... line, a double drum is required for flensing of wire rope.



# LUFFING JIB

**30.48m boom/with standard counterweight**

Unit : metric ton

| Jib length<br>m(ft)                   | 24.38 (80) |       |      | 30.48 (100) |       |      | 36.58 (120) |       |      | 42.67 (140) |       |      | 48.77 (160) |      |      | 54.86 (180) |      |      | 60.96 (200) |      |      | 67.06 (220) |      |      | 73.15 (240) |      |     |
|---------------------------------------|------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|-------|------|-------------|------|------|-------------|------|------|-------------|------|------|-------------|------|------|-------------|------|-----|
| Boom angle<br>Working radius<br>m(ft) | 88°        | 78°   | 68°  | 88°         | 78°   | 68°  | 88°         | 78°   | 68°  | 88°         | 78°   | 68°  | 88°         | 78°  | 68°  | 88°         | 78°  | 68°  | 88°         | 78°  | 68°  | 88°         | 78°  | 68°  | 88°         | 78°  | 68° |
| 12                                    | 230.0      |       |      |             |       |      |             |       |      |             |       |      |             |      |      |             |      |      |             |      |      |             |      |      |             |      |     |
| 14                                    | 230.0      |       |      | 213.1       |       |      |             |       |      |             |       |      |             |      |      |             |      |      |             |      |      |             |      |      |             |      |     |
| 16                                    | 230.0      |       |      | 206.7       |       |      | 176.7       |       |      | 153.3       |       |      |             |      |      |             |      |      |             |      |      |             |      |      |             |      |     |
| 18                                    | 206.9      |       |      | 201.0       |       |      | 171.5       |       |      | 149.0       |       |      | 129.6       |      |      |             |      |      |             |      |      |             |      |      |             |      |     |
| 20                                    | 171.4      | 171.4 |      | 167.8       |       |      | 166.8       |       |      | 145.0       |       |      | 126.3       |      |      | 110.5       |      |      |             |      |      |             |      |      |             |      |     |
| 22                                    | 142.4      | 142.4 |      | 163.0       |       |      | 162.4       |       |      | 141.2       |       |      | 123.1       |      |      | 107.9       |      |      | 94.2        |      |      |             |      |      |             |      |     |
| 24                                    | 117.3      | 117.3 |      | 140.5       | 140.5 |      | 148.5       |       |      | 137.6       |       |      | 120.1       |      |      | 105.4       |      |      | 92.2        |      |      | 60.5        |      |      |             |      |     |
| 26                                    | 93.6       | 93.6  |      | 121.2       | 121.2 |      | 133.4       | 133.4 |      | 134.2       |       |      | 117.3       |      |      | 103.3       |      |      | 90.2        |      |      | 78.9        |      |      | 68.5        |      |     |
| 28                                    |            | 72.8  |      | 104.2       | 104.2 |      | 117.8       | 117.8 |      | 121.5       |       |      | 114.6       |      |      | 100.8       |      |      | 88.3        |      |      | 76.9        |      |      | 66.5        |      |     |
| 30                                    |            | 53.8  | 53.8 | 88.7        | 88.7  |      | 104.0       | 104.0 |      | 110.7       | 110.7 |      | 111.6       |      |      | 98.6        |      |      | 85.4        |      |      | 74.8        |      |      | 64.6        |      |     |
| 34                                    |            |       | 20.5 |             | 62.2  | 62.2 | 80.5        | 80.5  |      | 90.0        | 90.0  |      | 94.1        | 94.1 |      | 94.4        | 94.4 |      | 81.9        |      |      | 70.7        |      |      | 60.8        |      |     |
| 36                                    |            |       |      |             |       | 40.3 |             | 61.3  | 61.3 | 72.2        | 72.2  |      | 78.8        | 78.8 |      | 80.9        | 80.9 |      | 77.5        | 77.5 |      | 66.6        |      |      | 57.2        |      |     |
| 42                                    |            |       |      |             |       | 21.7 |             | 45.3  | 45.3 | 56.3        | 56.3  | 56.3 | 64.7        | 64.7 |      | 69.4        | 69.4 |      | 70.1        | 70.1 |      | 62.7        | 62.7 |      | 53.6        | 53.6 |     |
| 46                                    |            |       |      |             |       |      |             | 31.7  |      | 42.4        | 42.4  | 52.3 | 52.3        | 52.3 | 58.0 | 58.0        |      | 61.2 | 61.2        |      | 59.0 | 59.0        |      | 50.2 | 50.2        |      |     |
| 50                                    |            |       |      |             |       |      |             |       |      | 29.9        |       | 40.9 | 40.9        | 47.9 | 47.9 | 47.9        | 51.7 | 51.7 |             | 54.1 | 54.1 |             | 46.9 | 46.9 |             |      |     |
| 54                                    |            |       |      |             |       |      |             |       |      | 18.8        |       | 30.6 | 30.6        | 38.3 | 38.3 | 38.3        | 43.4 | 43.4 | 43.4        | 46.2 | 46.2 |             | 43.8 | 43.8 |             |      |     |
| 58                                    |            |       |      |             |       |      |             |       |      |             |       | 21.1 |             | 29.6 | 29.6 | 35.6        | 35.6 | 35.6 | 39.1        | 39.1 | 39.1 | 40.9        | 40.9 |      |             |      |     |
| 62                                    |            |       |      |             |       |      |             |       |      |             |       |      |             |      |      | 21.6        | 28.6 | 28.6 | 32.6        | 32.6 | 32.6 | 35.0        | 35.0 | 35.0 |             |      |     |
| 66                                    |            |       |      |             |       |      |             |       |      |             |       |      |             |      |      |             | 22.3 | 22.3 | 26.0        | 26.0 | 26.0 | 29.4        | 29.4 | 29.4 |             |      |     |
| 70                                    |            |       |      |             |       |      |             |       |      |             |       |      |             |      |      |             |      | 16.4 |             | 19.9 | 19.9 | 24.0        | 24.0 | 24.0 |             |      |     |
| 74                                    |            |       |      |             |       |      |             |       |      |             |       |      |             |      |      |             |      |      |             |      | 14.1 |             | 18.8 | 18.8 |             |      |     |
| 78                                    |            |       |      |             |       |      |             |       |      |             |       |      |             |      |      |             |      |      |             |      |      |             |      |      |             | 13.8 |     |

**48.77m boom/with standard counterweight**

Unit : metric ton

| Jib length<br>m(ft)                   | 24.38 (80) |       |      | 30.48 (100) |       |     | 36.58 (120) |       |     | 42.67 (140) |      |     | 48.77 (160) |      |      | 54.86 (180) |      |      | 60.96 (200) |      |      | 67.06 (220) |      |      | 73.15 (240) |      |     |
|---------------------------------------|------------|-------|------|-------------|-------|-----|-------------|-------|-----|-------------|------|-----|-------------|------|------|-------------|------|------|-------------|------|------|-------------|------|------|-------------|------|-----|
| Boom angle<br>Working radius<br>m(ft) | 88°        | 78°   | 68°  | 88°         | 78°   | 68° | 88°         | 78°   | 68° | 88°         | 78°  | 68° | 88°         | 78°  | 68°  | 88°         | 78°  | 68°  | 88°         | 78°  | 68°  | 88°         | 78°  | 68°  | 88°         | 78°  | 68° |
| 12                                    | 230.0      |       |      |             |       |     |             |       |     |             |      |     |             |      |      |             |      |      |             |      |      |             |      |      |             |      |     |
| 14                                    | 230.0      |       |      | 214.5       |       |     |             |       |     |             |      |     |             |      |      |             |      |      |             |      |      |             |      |      |             |      |     |
| 16                                    | 230.0      |       |      | 207.9       |       |     | 177.6       |       |     |             |      |     |             |      |      |             |      |      |             |      |      |             |      |      |             |      |     |
| 18                                    | 212.8      |       |      | 202.0       |       |     | 172.3       |       |     | 149.5       |      |     |             |      |      |             |      |      |             |      |      |             |      |      |             |      |     |
| 20                                    | 187.4      |       |      | 196.7       |       |     | 167.4       |       |     | 145.4       |      |     | 126.6       |      |      |             |      |      |             |      |      |             |      |      |             |      |     |
| 22                                    | 156.4      |       |      | 174.4       |       |     | 162.9       |       |     | 141.5       |      |     | 123.4       |      |      | 108.0       |      |      | 94.2        |      |      |             |      |      |             |      |     |
| 24                                    | 130.1      | 130.1 |      | 150.7       |       |     | 157.2       |       |     | 137.9       |      |     | 120.3       |      |      | 105.5       |      |      | 92.1        |      |      | 80.4        |      |      |             |      |     |
| 26                                    | 106.2      | 106.2 |      | 130.3       |       |     | 140.6       |       |     | 134.5       |      |     | 117.4       |      |      | 100.1       |      |      | 90.1        |      |      | 78.7        |      |      | 68.4        |      |     |
| 28                                    |            | 85.5  |      | 112.7       | 112.7 |     | 125.7       |       |     | 127.9       |      |     | 114.7       |      |      | 100.8       |      |      | 88.2        |      |      | 77.0        |      |      | 66.5        |      |     |
| 30                                    |            | 66.9  | 66.9 | 96.8        | 96.8  |     | 111.2       | 111.2 |     | 116.2       |      |     | 112.1       |      |      | 98.6        |      |      | 86.3        |      |      | 74.9        |      |      | 64.6        |      |     |
| 34                                    |            | 35.3  |      | 70.2        |       |     | 86.9        | 86.9  |     | 95.6        | 95.6 |     | 93.6        |      |      | 94.4        |      |      | 82.0        |      |      | 70.7        |      |      | 60.8        |      |     |
| 36                                    |            |       |      | 48.6        |       |     | 65.4        | 65.4  |     | 77.2        | 77.2 |     | 83.5        | 83.5 |      | 84.7        | 84.7 |      | 77.5        |      |      | 66.6        |      |      | 57.1        |      |     |
| 42                                    |            |       |      |             | 30.7  |     | 47.3        |       |     | 61.2        | 61.2 |     | 69.0        | 69.0 |      | 73.2        | 73.2 |      | 73.2        | 73.2 |      | 62.7        |      |      | 53.5        |      |     |
| 46                                    |            |       |      |             | 15.6  |     | 31.4        | 31.7  |     | 46.8        |      |     | 56.3        | 56.3 |      | 61.5        | 61.5 |      | 64.1        | 64.1 |      | 59.0        | 59.0 |      | 50.1        | 50.1 |     |
| 50                                    |            |       |      |             |       |     |             | 17.4  |     | 39.9        | 39.9 |     | 44.4        |      |      | 51.3        | 51.3 |      | 54.9        | 54.9 |      | 55.5        | 55.5 |      | 46.8        | 46.8 |     |
| 54                                    |            |       |      |             |       |     |             |       |     | 22.3        |      |     | 33.5        | 33.5 | 41.8 | 41.8        | 41.8 | 46.4 | 46.4        |      | 49.0 | 49.0        |      | 43.7 | 43.7        |      |     |
| 58                                    |            |       |      |             |       |     |             |       |     | 11.7        |      |     | 23.4        | 23.4 |      | 33.4        | 33.4 | 38.5 | 38.5        | 38.5 | 41.8 | 41.8        |      | 40.8 | 40.8        |      |     |
| 62                                    |            |       |      |             |       |     |             |       |     |             |      |     | 14.1        |      |      | 25.6        | 25.6 |      | 31.1        | 31.1 | 35.2 | 35.2        | 35.2 | 36.1 | 36.1        |      |     |
| 66                                    |            |       |      |             |       |     |             |       |     |             |      |     |             |      |      | 18.6        | 24.2 | 24.2 | 28.7        | 28.7 | 28.7 | 28.7        | 28.7 | 31.7 | 31.7        | 31.7 |     |
| 70                                    |            |       |      |             |       |     |             |       |     |             |      |     |             |      |      |             | 12.1 |      | 17.8        |      | 22.6 | 22.6        | 26.3 | 26.3 | 26.3        |      |     |
| 74                                    |            |       |      |             |       |     |             |       |     |             |      |     |             |      |      |             |      |      | 11.8        |      | 16.9 | 16.9        |      | 21.7 | 21.7        |      |     |
| 78                                    |            |       |      |             |       |     |             |       |     |             |      |     |             |      |      |             |      |      |             |      | 11.3 |             |      | 17.0 | 17.0        |      |     |
| 82                                    |            |       |      |             |       |     |             |       |     |             |      |     |             |      |      |             |      |      |             |      |      |             |      |      |             | 12.2 |     |

**67.06m boom/with standard + additional counterweight**

Unit: metric ton

| Jib length<br>m(ft)                   | 24.38 (80) |       |     | 30.48 (100) |      |     | 36.58 (120) |      |     | 42.67 (140) |      |     | 48.77 (160) |      |     | 54.86 (180) |      |     | 60.96 (200) |      |     | 67.06 (220) |      |     | 73.15 (240) |      |     |
|---------------------------------------|------------|-------|-----|-------------|------|-----|-------------|------|-----|-------------|------|-----|-------------|------|-----|-------------|------|-----|-------------|------|-----|-------------|------|-----|-------------|------|-----|
| Boom angle<br>Working radius<br>m(ft) | 88°        | 78°   | 68° | 88°         | 78°  | 68° | 88°         | 78°  | 68° | 88°         | 78°  | 68° | 88°         | 78°  | 68° | 88°         | 78°  | 68° | 88°         | 78°  | 68° | 88°         | 78°  | 68° | 88°         | 78°  | 68° |
| 12                                    | 181.5      |       |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |
| 14                                    | 173.6      |       |     | 165.0       |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |
| 16                                    | 160.6      |       |     | 161.4       |      |     | 161.0       |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |
| 18                                    | 149.2      |       |     | 150.0       |      |     | 149.9       |      |     | 149.8       |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |
| 20                                    | 139.1      |       |     | 140.0       |      |     | 139.8       |      |     | 139.7       |      |     | 127.0       |      |     |             |      |     |             |      |     |             |      |     |             |      |     |
| 22                                    | 130.1      |       |     | 131.1       |      |     | 130.9       |      |     | 130.7       |      |     | 123.7       |      |     | 108.2       |      |     |             |      |     |             |      |     |             |      |     |
| 24                                    | 122.0      |       |     | 123.1       |      |     | 122.9       |      |     | 122.6       |      |     | 120.6       |      |     | 105.6       |      |     | 92.1        |      |     |             |      |     |             |      |     |
| 26                                    | 114.5      |       |     | 115.9       |      |     | 115.8       |      |     | 115.4       |      |     | 114.9       |      |     | 103.2       |      |     | 90.1        |      |     | 78.7        |      |     |             |      |     |
| 28                                    |            | 107.6 |     | 109.4       |      |     | 109.3       |      |     | 108.9       |      |     | 108.4       |      |     | 100.8       |      |     | 88.1        |      |     | 77.0        |      |     | 66.5        |      |     |
| 30                                    |            | 101.3 |     | 103.3       |      |     | 103.4       |      |     | 103.0       |      |     | 102.5       |      |     | 96.6        |      |     | 86.3        |      |     | 75.0        |      |     | 64.6        |      |     |
| 34                                    |            | 90.0  |     | 93.0        |      |     | 91.7        | 91.7 |     | 92.3        |      |     | 92.0        |      |     | 91.6        |      |     | 82.1        |      |     | 70.8        |      |     | 60.8        |      |     |
| 38                                    |            | 80.2  |     | 84.3        |      |     | 70.0        | 70.0 |     | 80.4        | 80.4 |     | 82.8        |      |     | 82.4        |      |     | 77.6        |      |     | 66.7        |      |     | 57.1        |      |     |
| 42                                    |            |       |     | 76.8        |      |     | 56.9        |      |     | 64.1        | 64.1 |     | 71.5        | 71.5 |     | 72.8        | 72.8 |     | 71.2        |      |     | 62.8        |      |     | 53.5        |      |     |
| 46                                    |            |       |     |             | 27.4 |     | 41.5        |      |     | 52.8        |      |     | 58.7        | 58.7 |     | 63.7        | 63.7 |     | 62.9        | 62.9 |     | 59.0        |      |     | 50.1        |      |     |
| 50                                    |            |       |     |             | 11.9 |     | 26.0        |      |     | 39.9        |      |     | 46.6        | 46.6 |     | 53.3        | 53.3 |     | 55.8        | 55.8 |     | 54.3        | 54.3 |     | 46.8        | 46.8 |     |
| 54                                    |            |       |     |             |      |     | 10.6        |      |     | 27.1        | 27.1 |     | 34.6        |      |     | 43.7        | 43.7 |     | 48.0        | 48.0 |     | 48.2        | 48.2 |     | 43.6        | 43.6 |     |
| 58                                    |            |       |     |             |      |     |             |      |     |             | 14.2 |     | 22.4        | 22.4 |     | 33.9        |      |     | 40.1        | 40.1 |     | 43.0        | 43.0 |     | 40.7        | 40.7 |     |
| 62                                    |            |       |     |             |      |     |             |      |     |             |      |     | 10.3        | 10.3 |     | 24.2        | 24.2 |     | 32.6        |      |     | 36.5        | 36.5 |     | 36.2        | 36.2 |     |
| 66                                    |            |       |     |             |      |     |             |      |     |             |      |     |             |      |     | 14.4        | 14.4 |     | 25.0        | 25.0 |     | 30.2        | 30.2 |     | 31.7        | 31.7 |     |
| 70                                    |            |       |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     | 17.4        | 17.4 |     | 24.3        | 24.3 |     | 27.4        | 27.4 |     |
| 74                                    |            |       |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             | 9.8  |     | 18.3        | 18.3 |     | 22.9        | 22.9 |     |
| 78                                    |            |       |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     | 12.2        | 12.2 |     | 18.5        | 18.5 |     |
| 82                                    |            |       |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     | 14.0        | 14.0 |     |
| 86                                    |            |       |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |             | 9.6  |     |

**85.34m boom/with standard + additional counterweight**

Unit: metric ton

| Jib length<br>m(ft)     | 24.38 (80) |       |     | 30.48 (100) |      |      | 36.58 (120) |      |      | 42.67 (140) |      |      | 48.77 (160) |      |     | 54.86 (180) |      |     | 60.96 (200) |      |     | 67.06 (220) |      |     | 73.15 (240) |      |     |
|-------------------------|------------|-------|-----|-------------|------|------|-------------|------|------|-------------|------|------|-------------|------|-----|-------------|------|-----|-------------|------|-----|-------------|------|-----|-------------|------|-----|
| Boom angle              | 88°        | 78°   | 68° | 88°         | 78°  | 68°  | 88°         | 78°  | 68°  | 88°         | 78°  | 68°  | 88°         | 78°  | 68° | 88°         | 78°  | 68° | 88°         | 78°  | 68° | 88°         | 78°  | 68° | 88°         | 78°  | 68° |
| Working radius<br>m(ft) | 14         | 102.6 |     |             |      |      |             |      |      |             |      |      |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |
| 16                      | 93.6       |       |     | 93.2        |      |      | 92.7        |      |      |             |      |      |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |
| 18                      | 85.6       |       |     | 85.3        |      |      | 85.4        |      |      | 84.8        |      |      |             |      |     |             |      |     |             |      |     |             |      |     |             |      |     |
| 20                      | 78.5       |       |     | 79.0        |      |      | 78.7        |      |      | 78.4        |      |      | 77.1        |      |     |             |      |     |             |      |     |             |      |     |             |      |     |
| 22                      | 72.2       |       |     | 73.0        |      |      | 72.8        |      |      | 72.6        |      |      | 71.6        |      |     | 70.9        |      |     |             |      |     |             |      |     |             |      |     |
| 24                      | 66.6       |       |     | 67.7        |      |      | 67.6        |      |      | 67.4        |      |      | 66.5        |      |     | 66.0        |      |     | 64.6        |      |     |             |      |     |             |      |     |
| 26                      | 61.4       |       |     | 62.9        |      |      | 62.9        |      |      | 62.7        |      |      | 62.0        |      |     | 61.5        |      |     | 60.4        |      |     | 59.4        |      |     |             |      |     |
| 28                      | 56.5       |       |     | 58.5        |      |      | 58.6        |      |      | 58.5        |      |      | 57.9        |      |     | 57.4        |      |     | 56.4        |      |     | 55.6        |      |     | 54.8        |      |     |
| 30                      |            |       |     | 54.5        |      |      | 54.7        |      |      | 54.7        |      |      | 54.2        |      |     | 53.7        |      |     | 52.8        |      |     | 52.0        |      |     | 51.3        |      |     |
| 34                      |            | 43.6  |     |             |      |      | 47.9        |      |      | 48.1        |      |      | 47.7        |      |     | 47.3        |      |     | 46.5        |      |     | 45.7        |      |     | 45.1        |      |     |
| 38                      |            | 36.2  |     |             | 41.3 |      | 41.9        | 41.9 |      | 42.7        |      |      | 42.2        |      |     | 41.9        |      |     | 41.2        |      |     | 40.4        |      |     | 39.8        |      |     |
| 42                      |            | 29.5  |     |             | 36.1 |      | 36.7        |      |      | 37.5        | 37.5 |      | 37.5        |      |     | 37.2        |      |     | 36.7        |      |     | 35.9        |      |     | 35.3        |      |     |
| 46                      |            |       |     |             | 31.5 |      | 32.0        |      |      | 33.2        |      |      | 33.3        | 33.3 |     | 33.2        | 33.2 |     | 32.7        |      |     | 32.0        |      |     | 31.4        |      |     |
| 50                      |            |       |     |             |      |      | 27.9        |      |      | 29.4        |      |      | 29.6        | 29.6 |     | 29.6        | 29.6 |     | 29.3        | 29.3 |     | 28.6        |      |     | 28.0        |      |     |
| 54                      |            |       |     |             |      | 23.9 | 24.2        |      |      | 26.0        |      |      | 26.3        |      |     | 26.4        | 26.4 |     | 26.2        | 26.2 |     | 25.5        | 25.5 |     | 25.0        | 25.0 |     |
| 58                      |            |       |     |             |      | 20.6 |             |      | 20.9 |             | 23.0 |      |             | 23.2 |     |             | 23.5 |     | 23.4        | 23.4 |     | 22.8        | 22.8 |     | 22.3        | 22.3 |     |
| 62                      |            |       |     |             |      | 17.8 |             |      | 17.9 |             |      | 20.3 | 20.5        |      |     | 20.9        |      |     | 20.8        | 20.8 |     | 20.3        | 20.3 |     | 19.9        | 19.9 |     |
| 66                      |            |       |     |             |      |      |             | 15.1 |      |             |      | 17.8 | 18.0        | 18.0 |     | 18.5        |      |     | 18.4        |      |     | 18.0        | 18.0 |     | 17.7        | 17.7 |     |
| 70                      |            |       |     |             |      |      |             |      |      |             | 15.6 |      |             | 15.8 |     | 16.3        | 16.3 |     | 16.2        |      |     | 15.8        |      |     | 15.7        | 15.7 |     |
| 74                      |            |       |     |             |      |      |             |      |      |             | 13.6 |      |             | 13.7 |     |             | 14.2 |     | 14.1        | 14.1 |     | 13.8        |      |     | 13.8        | 13.8 |     |
| 78                      |            |       |     |             |      |      |             |      |      |             |      |      |             | 11.7 |     |             | 12.4 |     |             | 12.2 |     | 12.0        |      |     |             | 12.0 |     |
| 82                      |            |       |     |             |      |      |             |      |      |             |      |      |             |      |     |             | 10.7 |     |             | 10.4 |     | 10.2        |      |     |             | 10.4 |     |



# RATING CHART FOR HEAVY LIFT (HL)

With standard counterweight

Unit : metric ton

| Mast length m(ft)  |                   | 30.48 (100) |             | 42.67 (140) |             |             |             |
|--------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Working radius (m) | Boom length m(ft) | 42.67 (140) | 48.77 (160) | 54.86 (180) | 60.96 (200) | 67.06 (220) | 73.15 (240) |
|                    |                   |             |             |             |             |             | 79.25 (260) |
| 9                  | 9.3m/450.0        |             |             |             |             |             |             |
| 10                 | 450.0             | 10.2m/429.0 |             | 11.0m/396.0 |             |             |             |
| 12                 | 424.0             | 422.0       |             | 393.0       | 361.0       | 12.7m/322.0 | 13.6m/288.0 |
| 14                 | 357.0             | 355.0       |             | 324.0       | 323.0       | 322.0       | 288.0       |
| 16                 | 308.0             | 306.0       |             | 274.0       | 273.0       | 272.0       | 270.0       |
| 18                 | 267.0             | 266.0       |             | 237.0       | 236.0       | 235.0       | 233.0       |
| 20                 | 235.0             | 234.0       |             | 208.0       | 207.0       | 206.0       | 204.0       |
| 22                 | 210.0             | 209.0       |             | 185.0       | 184.0       | 182.0       | 181.0       |
| 24                 | 187.0             | 186.0       |             | 168.0       | 165.0       | 263.0       | 162.0       |
| 26                 | 167.0             | 166.0       |             | 150.0       | 149.0       | 147.0       | 146.2       |
| 28                 | 150.0             | 149.0       |             | 137.0       | 136.0       | 134.0       | 133.0       |
| 30                 | 136.0             | 135.0       |             | 126.0       | 125.0       | 123.0       | 122.0       |
| 34                 | 115.0             | 113.0       |             | 107.0       | 106.0       | 104.0       | 103.0       |
| 38                 | 98.0              | 97.0        |             | 93.0        | 92.0        | 90.0        | 89.0        |
| 42                 |                   | 84.0        |             | 81.0        | 80.0        | 78.0        | 77.0        |
| 46                 |                   |             |             | 72.0        | 71.0        | 69.0        | 68.0        |
| 50                 |                   |             |             | 64.0        | 63.0        | 61.0        | 60.0        |
| 54                 |                   |             |             |             | 56.0        | 54.0        | 53.0        |
| 58                 |                   |             |             |             |             | 49.0        | 47.0        |
| 62                 |                   |             |             |             |             |             | 42.0        |
| 66                 |                   |             |             |             |             |             | 38.0        |
| 70                 |                   |             |             |             |             |             |             |
| 74                 |                   |             |             |             |             |             |             |
| 78                 |                   |             |             |             |             |             |             |
| 82                 |                   |             |             |             |             |             |             |

| Mast length m(ft)  |                   | 54.86 (180) |             |             |             |
|--------------------|-------------------|-------------|-------------|-------------|-------------|
| Working radius (m) | Boom length m(ft) | 85.34 (280) | 91.44 (300) | 97.54 (320) | 103.6 (340) |
| 9                  |                   |             |             |             |             |
| 10                 |                   |             |             |             |             |
| 12                 |                   |             |             |             |             |
| 14                 | 15.3m/240.0       |             |             |             |             |
| 16                 | 240.0             | 16.1m/214.0 |             | 17.0m/191.0 | 17.8m/172.0 |
| 18                 | 217.0             | 214.0       |             | 191.0       | 172.0       |
| 20                 | 190.0             | 189.0       |             | 187.0       | 172.0       |
| 22                 | 168.0             | 166.0       |             | 165.0       | 163.0       |
| 24                 | 150.0             | 148.0       |             | 147.0       | 145.0       |
| 26                 | 135.0             | 133.0       |             | 132.0       | 130.0       |
| 28                 | 122.0             | 121.0       |             | 119.0       | 118.0       |
| 30                 | 112.0             | 110.0       |             | 109.0       | 107.0       |
| 34                 | 94.0              | 92.0        |             | 91.0        | 89.0        |
| 38                 | 80.0              | 79.0        |             | 77.0        | 76.0        |
| 42                 | 69.0              | 67.0        |             | 66.0        | 64.0        |
| 46                 | 60.0              | 59.0        |             | 57.0        | 55.0        |
| 50                 | 53.0              | 51.0        |             | 49.0        | 48.0        |
| 54                 | 47.0              | 45.0        |             | 43.0        | 42.0        |
| 58                 | 41.0              | 39.0        |             | 38.0        | 36.0        |
| 62                 | 36.0              | 35.0        |             | 33.0        | 31.0        |
| 66                 | 32.0              | 31.0        |             | 29.0        | 28.0        |
| 70                 | 29.0              | 27.0        |             | 25.0        | 24.0        |
| 74                 | 25.0              | 24.0        |             | 22.0        | 21.0        |
| 78                 |                   | 21.0        |             | 19.0        | 18.0        |
| 82                 |                   |             |             | 17.0        | 15.0        |

Note: Ratings above the ----- line, a double drum is required for reeving of wire rope.



With standard + additional counterweight

Unit : metric ton

| Mast length m(ft)<br>Boom length<br>m(ft)<br>Working<br>radius (m) | 42.67 (140)    |                | 54.86 (180)    |                |                |                |                |                |
|--------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                                                                    | 73.15<br>(240) | 79.25<br>(260) | 85.34<br>(290) | 91.44<br>(300) | 97.54<br>(320) | 103.6<br>(340) | 109.7<br>(360) | 115.8<br>(380) |
| 12                                                                 | 13.6m/288.0    |                |                |                |                |                |                |                |
| 14                                                                 | 288.0          | 14.4m/255.0    | 15.3m/240.0    |                |                |                |                |                |
| 16                                                                 | 270.0          | 255.0          | 240.0          | 16.1m/214.0    | 17.0m/191.0    | 17.8m/172.0    |                |                |
| 18                                                                 | 233.0          | 232.0          | 217.0          | 214.0          | 191.0          | 172.0          | 18.7m/154.0    | 19.5m/138.0    |
| 20                                                                 | 204.0          | 203.0          | 190.0          | 189.0          | 187.0          | 172.0          | 154.0          | 138.0          |
| 22                                                                 | 181.0          | 180.0          | 168.0          | 166.0          | 165.0          | 163.0          | 154.0          | 138.0          |
| 24                                                                 | 162.0          | 162.0          | 150.0          | 148.0          | 147.0          | 145.0          | 144.0          | 138.0          |
| 26                                                                 | 146.0          | 145.0          | 135.0          | 133.0          | 132.0          | 130.0          | 129.0          | 127.0          |
| 28                                                                 | 133.0          | 131.0          | 122.0          | 121.0          | 119.0          | 118.0          | 116.0          | 115.0          |
| 30                                                                 | 122.0          | 120.0          | 112.0          | 110.0          | 109.0          | 107.0          | 106.0          | 104.0          |
| 34                                                                 | 103.0          | 101.0          | 94.0           | 92.0           | 91.0           | 89.0           | 88.0           | 86.0           |
| 38                                                                 | 89.0           | 87.0           | 80.0           | 79.0           | 77.0           | 76.0           | 74.0           | 73.0           |
| 42                                                                 | 77.0           | 75.0           | 69.0           | 67.0           | 66.0           | 64.0           | 63.0           | 62.0           |
| 46                                                                 | 68.0           | 66.0           | 60.0           | 59.0           | 57.0           | 55.0           | 54.0           | 52.0           |
| 50                                                                 | 60.0           | 58.0           | 53.0           | 51.0           | 49.0           | 48.0           | 47.0           | 45.0           |
| 54                                                                 | 53.0           | 51.0           | 47.0           | 45.0           | 43.0           | 42.0           | 40.0           | 39.0           |
| 58                                                                 | 47.0           | 45.0           | 41.0           | 39.0           | 38.0           | 36.0           | 35.0           | 33.0           |
| 62                                                                 | 42.0           | 40.0           | 36.0           | 35.0           | 33.0           | 31.0           | 30.0           | 29.0           |
| 66                                                                 | 38.0           | 37.0           | 32.0           | 31.0           | 29.0           | 28.0           | 26.0           | 25.0           |
| 70                                                                 |                | 33.0           | 29.0           | 27.0           | 25.0           | 24.0           | 23.0           | 21.0           |
| 74                                                                 |                |                | 25.0           | 24.0           | 22.0           | 21.0           | 19.0           | 18.0           |
| 78                                                                 |                |                |                | 21.0           | 19.0           | 18.0           | 16.0           | 15.0           |
| 82                                                                 |                |                |                |                | 17.0           | 15.0           | 14.0           | 12.0           |

Note: Flights above the ..... line, a double drum is required for Reeling of wire rope.



# RATING CHART FOR SUPER HEAVY LIFT (SHL)

Counterweight trailer 240ton x 15.6m

Unit: metric ton

| Mast length m(ft)     |                | 30.48: (100)   |                | 42.67: (140)   |                |                |                |
|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Boom length<br>m(ft)  | 42.67<br>(140) | 48.77<br>(160) | 54.86<br>(180) | 60.96<br>(200) | 67.06<br>(220) | 73.15<br>(240) | 79.25<br>(260) |
| Working<br>radius (m) |                |                |                |                |                |                |                |
| 9                     | 8.3m/450.0     |                |                |                |                |                |                |
| 10                    | 450.0          | 10.2m/429.0    | 11.0m/396.0    |                |                |                |                |
| 12                    | 450.0          | 429.0          | 396.0          | 362.0          | 12.7m/322.0    | 13.6m/288.0    |                |
| 14                    | 450.0          | 429.0          | 396.0          | 362.0          | 322.0          | 288.0          | 14.4m/256.0    |
| 16                    | 450.0          | 429.0          | 396.0          | 362.0          | 322.0          | 288.0          | 256.0          |
| 18                    | 441.0          | 429.0          | 396.0          | 362.0          | 322.0          | 286.0          | 254.0          |
| 20                    | 386.0          | 394.0          | 385.0          | 362.0          | 322.0          | 284.0          | 252.0          |
| 22                    | 357.0          | 355.0          | 344.0          | 343.0          | 321.0          | 282.0          | 250.0          |
| 24                    | 325.0          | 323.0          | 311.0          | 310.0          | 308.0          | 280.0          | 248.0          |
| 26                    | 297.0          | 295.0          | 283.0          | 282.0          | 280.0          | 278.0          | 246.0          |
| 28                    | 274.0          | 272.0          | 260.0          | 259.0          | 257.0          | 256.0          | 244.0          |
| 30                    | 254.0          | 252.0          | 240.8          | 239.0          | 237.0          | 236.0          | 234.0          |
| 34                    | 212.0          | 219.0          | 207.0          | 206.0          | 204.0          | 203.0          | 201.0          |
| 38                    | 173.0          | 194.0          | 181.0          | 180.0          | 178.0          | 177.0          | 175.0          |
| 42                    |                | 162.0          | 161.0          | 160.0          | 158.0          | 157.0          | 155.0          |
| 46                    |                |                | 145.0          | 144.0          | 142.0          | 140.0          | 138.0          |
| 50                    |                |                | 127.0          | 129.0          | 128.0          | 126.0          | 124.0          |
| 54                    |                |                |                | 118.0          | 116.0          | 114.0          | 112.0          |
| 58                    |                |                |                |                | 106.0          | 104.0          | 102.0          |
| 62                    |                |                |                |                |                | 96.0           | 94.0           |
| 66                    |                |                |                |                |                | 88.0           | 86.0           |
| 70                    |                |                |                |                |                |                | 80.0           |
| 74                    |                |                |                |                |                |                |                |
| 78                    |                |                |                |                |                |                |                |
| 82                    |                |                |                |                |                |                |                |
| 86                    |                |                |                |                |                |                |                |
| 90                    |                |                |                |                |                |                |                |
| 94                    |                |                |                |                |                |                |                |
| 98                    |                |                |                |                |                |                |                |

| Mast length m(ft)     |             | 54.86: (180)   |                |                |                |                |                |                |
|-----------------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Boom length<br>m(ft)  |             | 85.34<br>(280) | 91.44<br>(300) | 97.54<br>(320) | 103.6<br>(340) | 109.7<br>(360) | 115.8<br>(380) | 121.9<br>(400) |
| Working<br>radius (m) |             |                |                |                |                |                |                |                |
| 9                     |             |                |                |                |                |                |                |                |
| 10                    |             |                |                |                |                |                |                |                |
| 12                    |             |                |                |                |                |                |                |                |
| 14                    | 15.3m/240.0 |                |                |                |                |                |                |                |
| 16                    | 240.0       | 16.1m/214.0    | 17.0m/191.0    |                |                |                |                |                |
| 18                    | 240.0       | 214.0          | 191.0          | 172.0          | 18.7m/154.0    | 19.5m/138.0    | 19.5m/138.0    |                |
| 20                    | 240.0       | 214.0          | 191.0          | 172.0          | 154.0          | 138.0          | 20.4m/119      |                |
| 22                    | 240.0       | 214.0          | 191.0          | 172.0          | 154.0          | 138.0          | 119.0          |                |
| 24                    | 240.0       | 213.0          | 191.0          | 171.0          | 154.0          | 138.0          | 119.0          |                |
| 26                    | 239.0       | 212.0          | 191.0          | 170.0          | 153.0          | 138.0          | 119.0          |                |
| 28                    | 236.0       | 211.0          | 190.0          | 169.0          | 152.0          | 137.0          | 119.0          |                |
| 30                    | 224.0       | 210.0          | 189.0          | 168.0          | 151.0          | 136.0          | 119.0          |                |
| 34                    | 192.0       | 191.0          | 167.0          | 166.0          | 149.0          | 133.0          | 119.0          |                |
| 38                    | 167.0       | 166.0          | 165.0          | 163.0          | 145.0          | 129.0          | 115.0          |                |
| 42                    | 148.0       | 146.0          | 145.0          | 143.0          | 141.0          | 125.0          | 111.0          |                |
| 46                    | 132.0       | 130.0          | 129.0          | 127.0          | 126.0          | 121.0          | 107.0          |                |
| 50                    | 118.0       | 116.0          | 115.0          | 113.0          | 112.0          | 110.0          | 102.0          |                |
| 54                    | 107.0       | 105.0          | 104.0          | 102.0          | 101.0          | 99.0           | 97.0           |                |
| 58                    | 97.0        | 95.0           | 94.0           | 92.0           | 91.0           | 89.0           | 88.0           |                |
| 62                    | 89.0        | 87.0           | 86.0           | 84.0           | 83.0           | 81.0           | 79.0           |                |
| 66                    | 81.0        | 79.0           | 78.0           | 76.0           | 75.0           | 73.0           | 72.0           |                |
| 70                    | 75.0        | 73.0           | 72.0           | 70.0           | 69.0           | 67.0           | 65.0           |                |
| 74                    | 69.0        | 67.0           | 66.0           | 64.0           | 63.0           | 61.0           | 60.0           |                |
| 78                    |             | 62.0           | 61.0           | 59.0           | 58.0           | 56.0           | 55.0           |                |
| 82                    |             |                | 56.0           | 54.0           | 53.0           | 51.0           | 50.0           |                |
| 86                    |             |                | 52.0           | 50.0           | 49.0           | 47.0           | 46.0           |                |
| 90                    |             |                |                | 47.0           | 46.0           | 44.0           | 42.0           |                |
| 94                    |             |                |                |                | 42.0           | 40.0           | 38.0           |                |
| 98                    |             |                |                |                |                | 37.0           | 35.0           |                |

Note: Ratings above the ..... line, a double drum is required for flensing of wire rope.

**Counterweight trailer 240ton x 20.0m**

Unit : metric ton

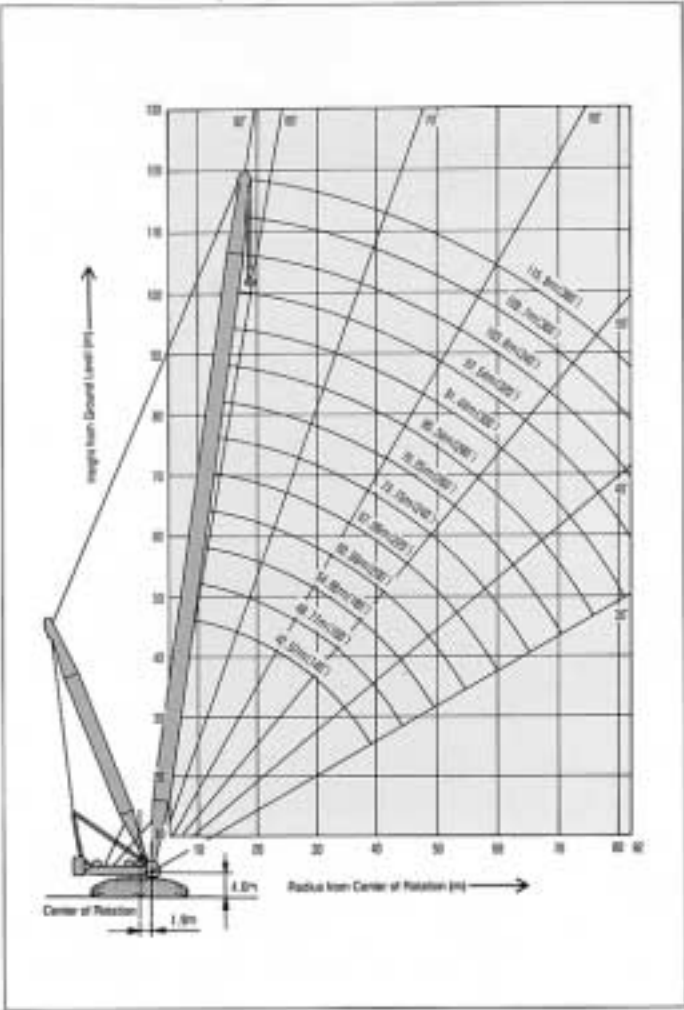
| Mast length m(ft)  |                   | 30.48: (100) |             |             | 42.67: (140) |             |             |
|--------------------|-------------------|--------------|-------------|-------------|--------------|-------------|-------------|
| Working radius (m) | Boom length m(ft) | 42.67 (140)  | 48.77 (160) | 54.86 (180) | 60.96 (200)  | 67.06 (220) | 73.15 (240) |
|                    |                   |              |             |             |              |             | 79.25 (260) |
| 9                  | 9.3m/450.0        |              |             |             |              |             |             |
| 10                 | 450.0             | 10.2m/429.0  | 11.0m/396.0 |             |              |             |             |
| 12                 | 450.0             | 429.0        | 396.0       | 362.0       | 12.7m/322.0  | 13.6m/288.0 |             |
| 14                 | 450.0             | 429.0        | 396.0       | 362.0       | 322.0        | 288.0       | 14.4m/256.0 |
| 16                 | 450.0             | 429.0        | 396.0       | 362.0       | 322.0        | 288.0       | 255.0       |
| 18                 | 450.0             | 429.0        | 396.0       | 362.0       | 322.0        | 286.0       | 254.0       |
| 20                 | 436.0             | 429.0        | 396.0       | 362.0       | 322.0        | 284.0       | 252.0       |
| 22                 | 395.0             | 393.0        | 396.0       | 362.0       | 321.0        | 282.0       | 250.0       |
| 24                 | 353.0             | 358.0        | 348.0       | 347.0       | 318.0        | 280.0       | 248.0       |
| 26                 | 317.0             | 327.0        | 317.0       | 316.0       | 315.0        | 278.0       | 246.0       |
| 28                 | 286.0             | 300.0        | 291.0       | 290.0       | 289.0        | 275.0       | 244.0       |
| 30                 | 259.0             | 274.0        | 269.0       | 268.0       | 266.0        | 264.0       | 242.0       |
| 34                 | 212.0             | 230.0        | 232.0       | 231.0       | 230.0        | 228.0       | 226.0       |
| 38                 | 173.0             | 194.0        | 204.0       | 203.0       | 201.0        | 200.0       | 198.0       |
| 42                 |                   | 162.0        | 175.0       | 180.0       | 178.0        | 177.0       | 175.0       |
| 46                 |                   |              | 150.0       | 161.0       | 160.0        | 159.0       | 157.0       |
| 50                 |                   |              | 127.0       | 140.0       | 145.0        | 143.0       | 141.0       |
| 54                 |                   |              |             | 121.0       | 130.0        | 130.0       | 128.0       |
| 58                 |                   |              |             |             | 113.0        | 119.0       | 117.0       |
| 62                 |                   |              |             |             |              | 106.0       | 108.0       |
| 66                 |                   |              |             |             |              | 93.0        | 97.0        |
| 70                 |                   |              |             |             |              |             | 86.0        |
| 74                 |                   |              |             |             |              |             |             |
| 78                 |                   |              |             |             |              |             |             |
| 82                 |                   |              |             |             |              |             |             |
| 86                 |                   |              |             |             |              |             |             |
| 90                 |                   |              |             |             |              |             |             |
| 94                 |                   |              |             |             |              |             |             |
| 98                 |                   |              |             |             |              |             |             |

| Boom length m(ft)  |                   | 54.86: (180) |             |             |             |             |             |
|--------------------|-------------------|--------------|-------------|-------------|-------------|-------------|-------------|
| Working radius (m) | Mast length m(ft) | 85.34 (280)  | 91.44 (300) | 97.54 (320) | 103.6 (340) | 109.7 (360) | 115.8 (380) |
|                    |                   |              |             |             |             |             | 121.9 (400) |
| 9                  |                   |              |             |             |             |             |             |
| 10                 |                   |              |             |             |             |             |             |
| 12                 |                   |              |             |             |             |             |             |
| 14                 | 15.3m/240.0       |              |             |             |             |             |             |
| 16                 | 240.0             | 16.1m/214.0  | 17.0m/191.0 | 17.8m/172.0 |             |             |             |
| 18                 | 240.0             | 214.0        | 191.0       | 172.0       | 18.7m/154.0 | 19.5m/138.0 |             |
| 20                 | 240.0             | 214.0        | 191.0       | 172.0       | 154.0       | 138.0       | 20.4m/119   |
| 22                 | 240.0             | 214.0        | 191.0       | 172.0       | 154.0       | 138.0       | 119.0       |
| 24                 | 240.0             | 213.0        | 191.0       | 171.0       | 154.0       | 138.0       | 119.0       |
| 26                 | 239.0             | 212.0        | 191.0       | 170.0       | 153.0       | 138.0       | 119.0       |
| 28                 | 238.0             | 211.0        | 190.0       | 169.0       | 152.0       | 137.0       | 119.0       |
| 30                 | 237.0             | 210.0        | 189.0       | 168.0       | 151.0       | 136.0       | 119.0       |
| 34                 | 212.0             | 208.0        | 187.0       | 168.0       | 149.0       | 133.0       | 119.0       |
| 38                 | 190.0             | 188.0        | 183.0       | 163.0       | 145.0       | 129.0       | 115.0       |
| 42                 | 168.0             | 166.0        | 164.0       | 159.0       | 141.0       | 125.0       | 111.0       |
| 46                 | 150.0             | 148.0        | 146.0       | 144.0       | 137.0       | 121.0       | 107.0       |
| 50                 | 135.0             | 133.0        | 131.0       | 130.0       | 126.0       | 116.0       | 102.0       |
| 54                 | 120.0             | 120.0        | 119.0       | 117.0       | 115.0       | 110.0       | 97.0        |
| 58                 | 111.0             | 110.0        | 108.0       | 107.0       | 105.0       | 100.0       | 92.0        |
| 62                 | 102.0             | 100.0        | 98.0        | 97.0        | 95.0        | 93.0        | 87.0        |
| 66                 | 94.0              | 92.0         | 90.0        | 89.0        | 87.0        | 85.0        | 81.0        |
| 70                 | 84.0              | 84.0         | 83.0        | 82.0        | 80.0        | 78.0        | 75.0        |
| 74                 | 75.0              | 75.0         | 75.0        | 75.0        | 74.0        | 72.0        | 68.0        |
| 78                 |                   | 69.0         | 69.0        | 69.0        | 68.0        | 66.0        | 63.0        |
| 82                 |                   |              | 63.0        | 63.0        | 63.0        | 61.0        | 58.0        |
| 86                 |                   |              | 56.0        | 56.0        | 56.0        | 55.0        | 54.0        |
| 90                 |                   |              |             | 50.0        | 50.0        | 50.0        | 49.0        |
| 94                 |                   |              |             |             | 46.0        | 46.0        | 45.0        |
| 98                 |                   |              |             |             |             | 41.0        | 40.0        |

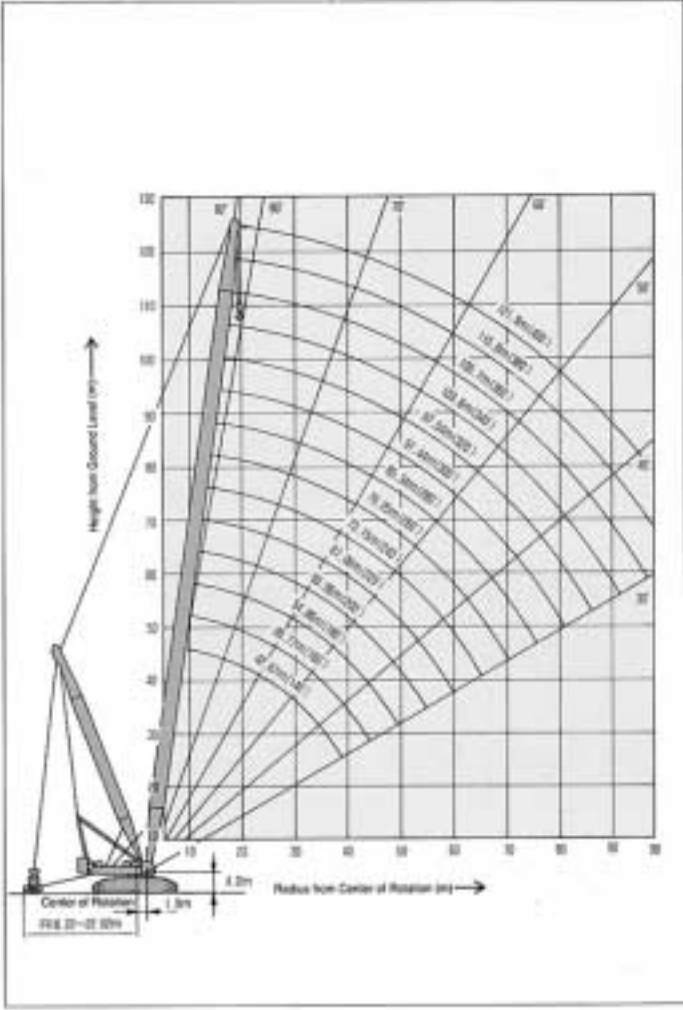


# WORKING RANGES

## HEAVY LIFT (HL)



## SUPER HEAVY LIFT (SHL)

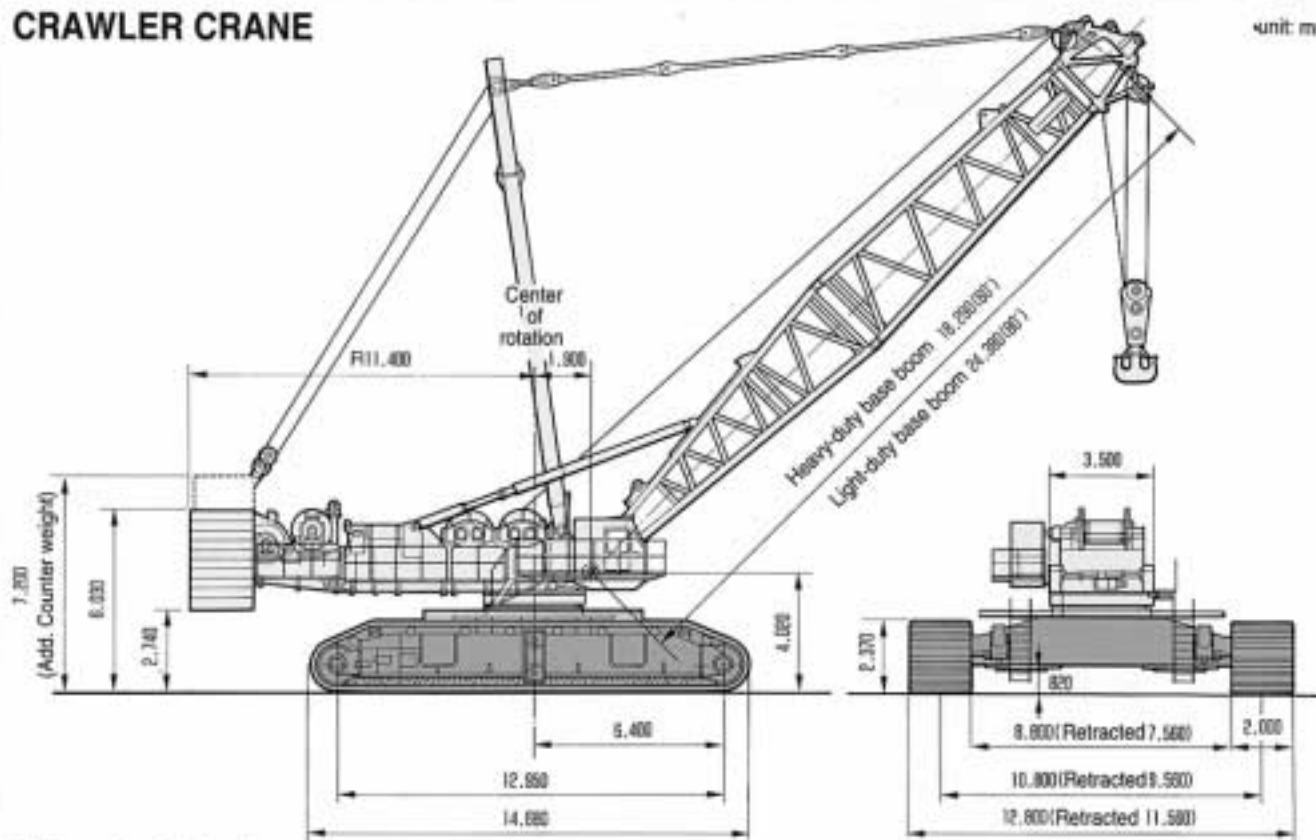




## General Dimensions

### CRAWLER CRANE

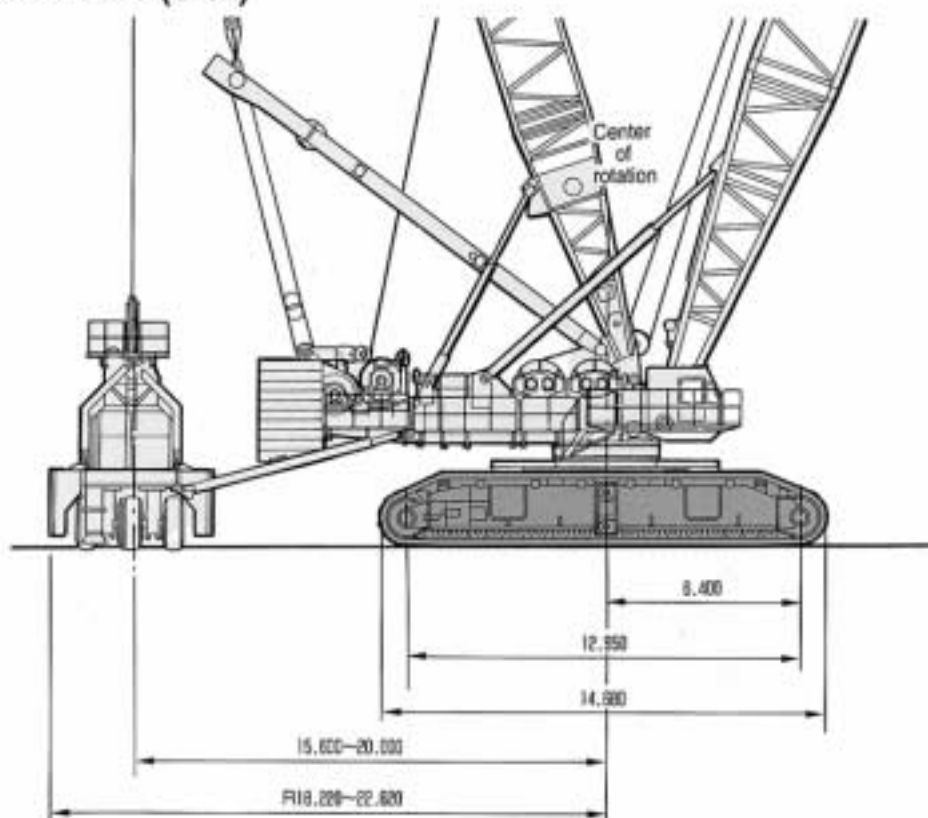
unit: mm



※ Figures show light-duty boom specs.

### SUPER HEAVY LIFT (SHL)

unit: mm





# Main Specifications

| Specifications                                              |                                                                 |                     | Crane                                                  | Luffing Jib                                            | HL                                 | SHL                                        |
|-------------------------------------------------------------|-----------------------------------------------------------------|---------------------|--------------------------------------------------------|--------------------------------------------------------|------------------------------------|--------------------------------------------|
| Capacity                                                    |                                                                 |                     |                                                        |                                                        |                                    |                                            |
| Max. Lifting Capacity                                       |                                                                 | ton x m             | 750 x 5.6 (Heavy)<br>450 x 10.0 (light)                | 230 x 22.0 (Fixed)<br>230 x 16.0 (Variable)            | 450 x 10.0                         | 450 x 18.0                                 |
| Basic Boom Length                                           |                                                                 | m                   | 18.29 (Heavy)<br>24.38 (light)                         | 30.48<br>(24.38m jib)                                  | 42.67<br>(30.48m mast)             | 42.67<br>(30.48m mast)                     |
| Max. Boom Length (+ Jib Length)                             |                                                                 | m                   | 42.67 (Heavy)<br>97.54 (light)                         | 85.34 +<br>73.15                                       | 115.8<br>(54.86m mast)             | 121.9<br>(54.86m mast)                     |
| Working speed                                               | Main Hook Line speed (High/Low)                                 | m/min               | 57/97                                                  | 57/97                                                  | 57/97                              | 57/97                                      |
|                                                             | Aux. Hook Line speed (High/Low)                                 | m/min               | 57/97                                                  | 57/97                                                  | -                                  | -                                          |
|                                                             | Boom Hoist/Lowering speed                                       | m/min               | 26 x 2                                                 | 26 x 2                                                 | 35 x 2                             | 35 x 2                                     |
|                                                             | Jib Hoist/Lowering speed                                        | m/min               | -                                                      | 35                                                     | -                                  | -                                          |
|                                                             | Mast Hoist/Lowering speed                                       | m/min               | -                                                      | -                                                      | 26 x 2                             | 26 x 2                                     |
|                                                             | Swing Speed                                                     | rpm                 | -                                                      | 0.6                                                    | -                                  | 0.3                                        |
|                                                             | Travel Speed (Hight/Low)                                        | km/h                | -                                                      | 0.3/0.6                                                | -                                  | 0.3                                        |
| Operating weight                                            |                                                                 | ton                 | 598 (24.38m light duty<br>boom with 450 ton hook)      | 720 (85.34m boom +<br>73.15m jib<br>with 450 ton hook) | 720 (115.8m boom +<br>54.86m mast) | 686 (with 121.9m boom<br>and 230 ton hook) |
| Ground Pressure (w/o load)                                  |                                                                 | ton/cm <sup>2</sup> | 10.8                                                   | 13.1                                                   | 13.1                               | 12.5                                       |
| Wire Rope                                                   |                                                                 |                     |                                                        |                                                        |                                    |                                            |
| Main hoist wire rope dia. meter                             |                                                                 | mm φ                | 32                                                     | 32                                                     | 32                                 | 32                                         |
| Aux. hoist wire rope dia. meter                             |                                                                 | mm φ                | 32                                                     | 32                                                     | -                                  | 32                                         |
| Wire rope dia. meter for boom hoist                         |                                                                 | mm φ                | 28                                                     | 28                                                     | 28                                 | 28                                         |
| Boom guy line dia. meter                                    |                                                                 | mm φ                | -                                                      | Link type                                              | -                                  | -                                          |
| Wire rope dia. meter for jib hoist                          |                                                                 | mm φ                | -                                                      | 28                                                     | -                                  | -                                          |
| Jib guy line dia. meter                                     |                                                                 | mm φ                | -                                                      | 54 (4-line)                                            | -                                  | -                                          |
| Wire rope dia. meter for mast                               |                                                                 | mm φ                | -                                                      | -                                                      | 28                                 | 28                                         |
| Mast guy line                                               |                                                                 | mm φ                | -                                                      | -                                                      | Link type                          | Link type                                  |
| Strut guy line dia. meter                                   |                                                                 | mm φ                | -                                                      | -                                                      | -                                  | -                                          |
| Counterweight trailer hunger rope                           |                                                                 | mm φ                | -                                                      | 50 (4-line)                                            | -                                  | 58 (4-line)                                |
| Drive Device                                                |                                                                 |                     |                                                        |                                                        |                                    |                                            |
| Engine                                                      | Model                                                           |                     | CUMMINS KTA-19-C600                                    |                                                        |                                    |                                            |
|                                                             | Rated power output                                              | PS/rpm              | 600/2,000                                              |                                                        |                                    |                                            |
|                                                             | Fuel tank capacity                                              | liters              | 620 (front)/380 (rear)                                 |                                                        |                                    |                                            |
| Hydraulic pump                                              | Hoist, boom hoist, No.4 drum hoist, No.5 drum hoist, and travel |                     | 2-variable displacement pumps x 4                      |                                                        |                                    |                                            |
|                                                             | Swing                                                           |                     | 2-speed variable displacement pumps x 1                |                                                        |                                    |                                            |
|                                                             | Control, and Aux. equip.                                        |                     | 4 - gear pump                                          |                                                        |                                    |                                            |
| Hydraulic motors                                            | Hoist                                                           |                     | 2 - speed plunger motor x 4                            |                                                        |                                    |                                            |
|                                                             | Boom hoist                                                      |                     | Plunger motor x 2                                      |                                                        |                                    |                                            |
|                                                             | No.4 drum hoist                                                 |                     | Plunger motor x 1                                      |                                                        |                                    |                                            |
|                                                             | No.5 drum hoist                                                 |                     | Plunger motor x 1                                      |                                                        |                                    |                                            |
|                                                             | Swing                                                           |                     | Plunger motor x 3                                      |                                                        |                                    |                                            |
|                                                             | Travel                                                          |                     | 2 - speed plunger motor x 8                            |                                                        |                                    |                                            |
| Counterweight                                               |                                                                 |                     |                                                        |                                                        |                                    |                                            |
| Counterweight equipped with base machine                    |                                                                 | ton                 | Std. counterweight 168.0/additional counterweight 37.0 |                                                        |                                    | Std. counterweight 168.0                   |
| Counterweight trailer                                       |                                                                 |                     |                                                        |                                                        |                                    |                                            |
| Weight                                                      |                                                                 | ton                 | -                                                      |                                                        |                                    | Approx. 240.0                              |
| Tire                                                        |                                                                 | m                   | -                                                      |                                                        |                                    | Pneumatic tire<br>(21.00-25-44PR) 4 x 2    |
| Mounting position (Center of rotation to center of trailer) |                                                                 | m                   | -                                                      |                                                        |                                    | 15.6/18.0/20.0                             |
| Tail rotating radius                                        |                                                                 |                     | -                                                      |                                                        |                                    | 18.20/20.60/22.62                          |

Remarks : \*1 (Heavy) : Heavy-duty boom, (Light) : Light-duty boom

\*2 The main hoist, auxiliary hoist, boom hoist, jib hoist and travel speeds vary according to the load being lifted.



| Description                                          |                                | Width x Height x Length<br>(mm x mm x mm) |   |       | Weight<br>(metric ton x piece) |        |      |   |    |
|------------------------------------------------------|--------------------------------|-------------------------------------------|---|-------|--------------------------------|--------|------|---|----|
| ATTACHMENTS                                          |                                |                                           |   |       |                                |        |      |   |    |
| HOOK                                                 | 450 ton Hook                   | 1,800                                     | x | 1,000 | x                              | 3,400  | 9.1  | x | 1  |
|                                                      | 230 ton Hook                   | 1,100                                     | x | 1,000 | x                              | 2,700  | 6.6  | x | 1  |
|                                                      | 100 ton Hook                   | 800                                       | x | 300   | x                              | 2,300  | 4.6  | x | 1  |
|                                                      | 50 ton Hook                    | 300                                       | x | 1,000 | x                              | 2,000  | 2.4  | x | 1  |
|                                                      | 16.5 ton Hook                  | 450 $\phi$                                |   |       | x                              | 1,600  | 0.94 | x | 1  |
| BOOM                                                 | Lower box type mast            | 2,500                                     | x | 900   | x                              | 12,200 | 7.5  | x | 1  |
|                                                      | Lower boom                     | 3,400                                     | x | 3,000 | x                              | 12,600 | 12.5 | x | 1  |
|                                                      | 6.10 m (20') Boom Insert       | 3,200                                     | x | 3,000 | x                              | 6,400  | 3.5  | x | 1  |
|                                                      | 12.19 m (40') Boom Insert      | 3,200                                     | x | 3,000 | x                              | 12,500 | 6.1  | x | 8* |
|                                                      | 10.67 m (34') Boom jib         | 3,200                                     | x | 3,000 | x                              | 10,900 | 6.1  | x | 1  |
|                                                      | Upper boom                     | 3,000                                     | x | 3,000 | x                              | 4,000  | 8.9  | x | 1  |
| JIB                                                  | Lower jib                      | 3,300                                     | x | 2,500 | x                              | 9,300  | 5.5  | x | 1  |
|                                                      | 6.10 m (20') Jib Insert        | 2,500                                     | x | 2,500 | x                              | 6,200  | 2.0  | x | 1  |
|                                                      | 12.19 m (40') Jib Insert       | 2,500                                     | x | 2,500 | x                              | 12,300 | 3.5  | x | 4  |
|                                                      | 10.67 m (34') Upper jib        | 2,500                                     | x | 2,500 | x                              | 10,000 | 7.0  | x | 1  |
|                                                      | Front upper struct             | 1,400                                     | x | 1,400 | x                              | 7,200  | 2.5  | x | 1  |
|                                                      | Rear upper struct              | 1,400                                     | x | 1,400 | x                              | 7,200  | 3.0  | x | 1  |
|                                                      | Lower strut                    | 1,700                                     | x | 1,400 | x                              | 6,700  | 1.1  | x | 2  |
|                                                      | Intermediate struct            | 1,400                                     | x | 1,400 | x                              | 3,200  | 0.3  | x | 2  |
| MAST                                                 | Lower Mast                     | 3,400                                     | x | 2,600 | x                              | 9,500  | 9.0  | x | 1  |
|                                                      | Jib folding support            | 3,400                                     | x | 2,300 | x                              | 2,800  | 2.9  | x | 1  |
|                                                      | 12.19m (40') Intermediate mast | 2,600                                     | x | 2,600 | x                              | 12,400 | 3.8  | x | 3  |
|                                                      | Upper mast                     | 2,600                                     | x | 2,600 | x                              | 11,000 | 7.1  | x | 1  |
| * 7 numbers for Crane spec / 8 numbers for SHL spec. |                                |                                           |   |       |                                |        |      |   |    |
| COUNTERWEIGHT TRAILER                                |                                |                                           |   |       |                                |        |      |   |    |
| Trailer                                              |                                | 3,300                                     | x | 2,900 | x                              | 8,200  | 45.0 | x | 1  |
| Weight                                               |                                | 2,000                                     | x | 60    | x                              | 6,000  | 7.0  | x | 19 |
| Side balance weight                                  |                                | 1,200                                     | x | 2,400 | x                              | 1,100  | 8.5  | x | 2  |
| Side balance weight                                  |                                | 1,000                                     | x | 1,300 | x                              | 1,600  | 7.5  | x | 2  |
| Side balance weight                                  |                                | 1,100                                     | x | 2,400 | x                              | 2,200  | 15.0 | x | 2  |
| Hanger frame                                         |                                | 400                                       | x | 3,800 | x                              | 3,300  | 1.8  | X | 2  |
| Conection beam                                       |                                | 1,300                                     | x | 800   | x                              | 6,800  | 4.0  | X | 2  |



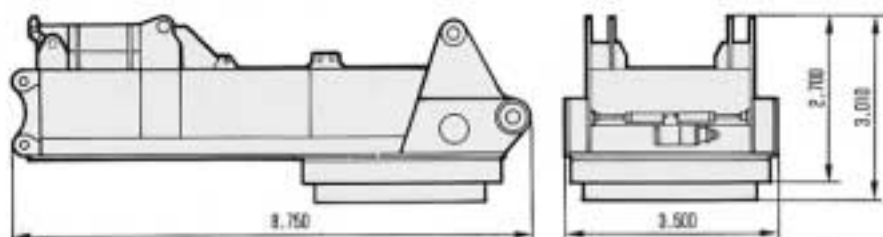
# Weight and Measurement for Transportation

Unit: mm

## Upper frame (front)

Weight: 44.5 metric ton × 1

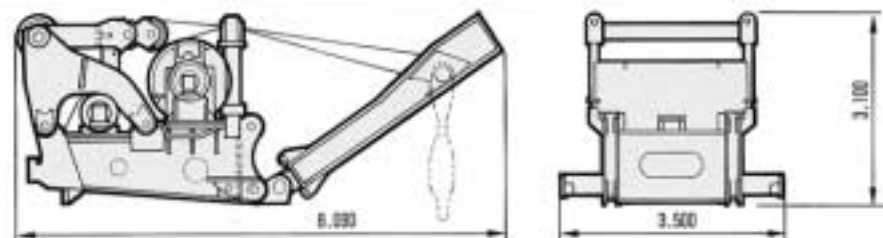
⊗ Swing bearing (13.5 metric ton) is not included.



## Upper frame (rear)

Weight: 41.4 metric ton × 1

⊗ Upper mast (8.2 metric ton) is included.



## Raising drum

Weight (front): 13.3 metric ton × 1

⊗ 1,600 mm  $\phi$  wire rope (8 metric ton) is included.

Weight (rear): 11.3 metric ton × 1

⊗ 1,200 mm  $\phi$  wire rope (6 metric ton) is included.

## Cab

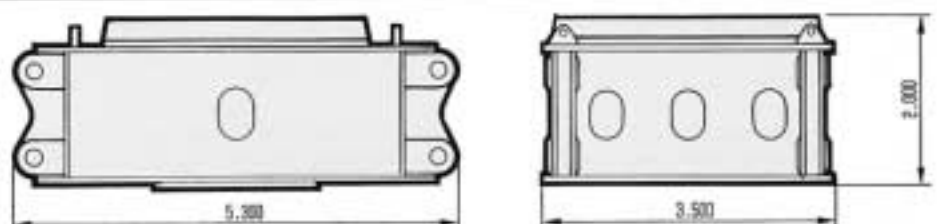
Weight: 3.0 metric ton × 1

⊗ Cab base and add. plat from are included.



## Carbody

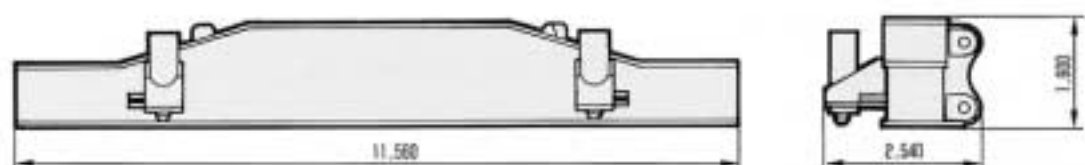
Weight: 34.2 metric ton × 1



## Axles

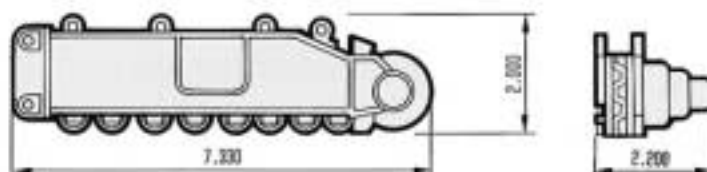
Weight: 23.8 metric ton × 1

⊗ Jack cylinder are included.



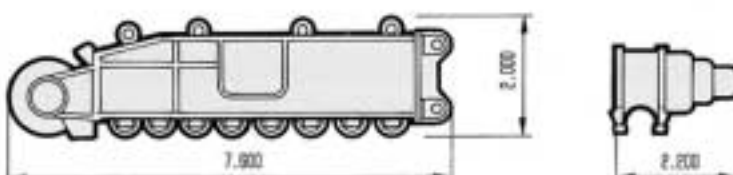
## Crawler assembly (front)

Weight: 28.6 metric ton



## Crawler assembly (rear)

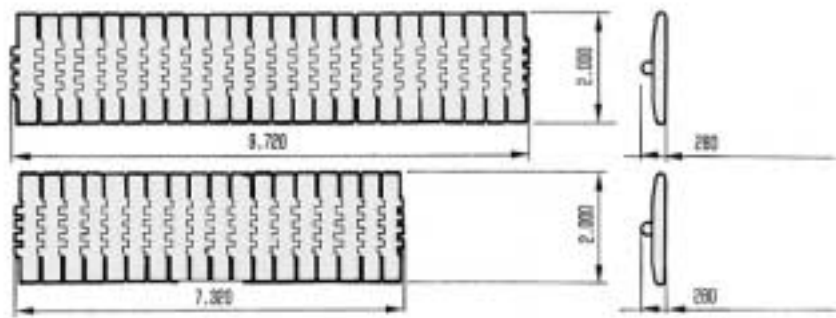
Weight: 29.9 metric ton





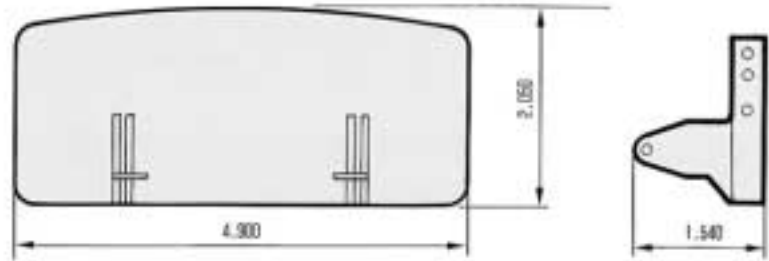
**Track shoes**

Weight: 7.7 metric tonx6  
Weight: 10.3 metric tonx2



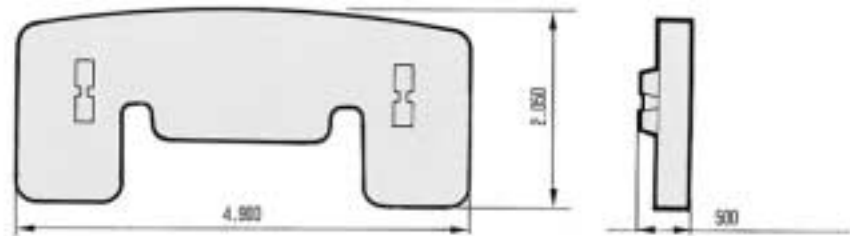
**Counterweight base**

Weight: 19.5 metric ton



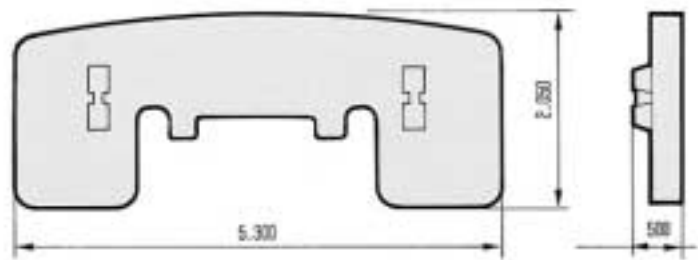
**Counterweight (A)**

Weight: 16.1 metric tonx3



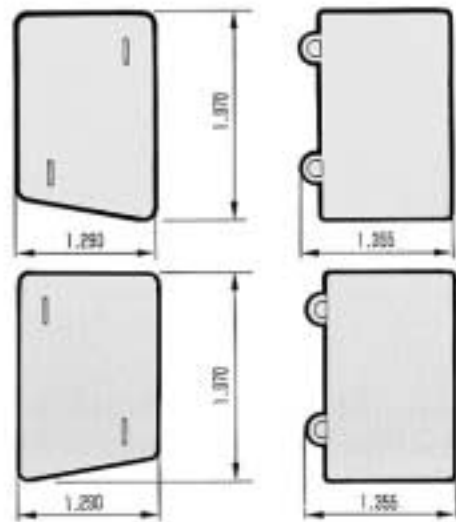
**Counterweight (B)**

Weight: 16.7 metric tonx6



**Additional countweight**

Weight: 18.5 metric tonx2







**KOBELCO**

# 7800

**NOTE:** Due to our policy of continual product improvement, all designs and specifications are subject to change without advance notice. Data herein is informational in nature and shall not be construed to warrant suitability of the machine for any particular purpose as performance may vary with the conditions encountered. These statements are correct at time of going to press.

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