

KOBELCO

7650

Hydraulic Crawler Crane

Crawler Crane

Heavy-duty Boom

Max. Lifting Capacity: 650 metric ton x 6.0 m

Standard Boom

Max. Lifting Capacity: 400 metric ton x 10.0 m

Luffing Jib

Max. Lifting Capacity: 230 metric ton x 16.0 m

KOBELCO CRANES CO., LTD.

Main Specifications

| Specifications | Crane | Luffing Jib |
|-----------------------------------|---|---|
| Lifting Capacity | | |
| Max. Lifting Capacity | 650 x 6.0 (Heavy-duty) 400 x 10.0 (Standard) | 230 x 16.0 |
| Basic Boom Length (+Jib Length) | 24 (Heavy) / 24 (Standard) | 30 + 24 |
| Max. Boom Length (+Jib Length) | 60 (Heavy) / 102 (Standard) | 78 + 72 |
| Performance | | |
| Main Hoist Line Speed (High/Low) | m/min 100/44 | 100/44 |
| Aux. Hoist Line Speed (High/Low) | m/min 100/44 | 100/44 |
| Boom Hoisting/Lowering (High/Low) | m/min 50/22 | 50/22 |
| Jib Hoisting/Lowering (High/Low) | m/min — | 100/44 |
| Swing Speed | min ⁻¹ (rpm) 0.6 (0.6) | |
| Travel Speed (High/Low) | km/h 1.0/0.6 | |
| Gradeability (Without Load) | % 30 | |
| Operating Weight | ton | Approx. 510 (including 24 m boom and 400-ton hook) / Approx. 540 (including 30 m boom and 230-ton hook) |
| Counterweight | ton | Standard counterweight: 140/Additional counterweight: 84 |
| Ground Pressure (Without Load) | kPa (kgf/cm ²) 125 (1.28) | 133 (1.36) |

Wire Rope

| | | | |
|----------------|----|-------------------------|-------------------------|
| Main Hoist | mm | φ 30 | φ 30 |
| Aux. Hoist | mm | φ 30 | φ 30 |
| Boom Hoist | mm | φ 28 (2 x 19-part line) | φ 28 (2 x 19-part line) |
| Boom Guy Line | mm | Rod type | Rod type |
| Jib Hoist | mm | — | φ 32 (22-part line) |
| Jib Guy Line | mm | — | φ 54 (4-part line) |
| Strut Guy Line | mm | — | φ 52 (4-part line) |

Power Plant

| | |
|--------------------|---|
| Make & Model | QSK19-2A |
| Type | Direct injection, water-cooled, 4-cycle diesel engine |
| Rated Output | kW/min ⁻¹ (PS/rpm) 447/2,000 (608/2,000) |
| Fuel Tank Capacity | liters 900 |

Hydraulic Pumps

| | |
|---|----------------------------------|
| Load Hoist, Boom Hoist, Jib Hoist, and Propel | 2-variable displacement pump x 4 |
| Swing | 2-variable displacement pump x 1 |
| Control and auxiliary equipment | 3-gear pump |

Hydraulic Motors

| | |
|-------------------------------------|---------------------------|
| Load Hoist (Main hoist, aux. hoist) | 2-speed plunger motor x 1 |
| Boom Hoist | 2-speed plunger motor x 2 |
| Jib Hoist | 2-speed plunger motor x 1 |
| Swing | Plunger motor x 2 |
| Propel | 2-speed plunger motor x 4 |

Remarks : *1 Line speed figures are shown at 1st layer of each drum.
*2 The main hoist, auxiliary hoist, boom hoist, jib hoist and travel speeds vary according to the load being lifted.

Style and Combination of Boom and Jib

7650

| STYLE | Crawler Crane | | Luffing Jib | |
|-------|-----------------|-----------|-------------|-------------|
| | Heavy-Duty Boom | Std. Boom | Fixed Boom | Offset Boom |

| SPECIFICATIONS | | | | |
|--------------------------------|-----------------|------------------|------------------|------------------|
| Max. Lifting Capacity | 650 ton x 6.0 m | 400 ton x 10.0 m | 185 ton x 20.0 m | 230 ton x 16.0 m |
| Max. Total Length (Boom + Jib) | 60 m | 102 m | 78 m + 72 m | 78 m + 72 m |

| COUNTERWEIGHTS | | | | |
|------------------------------|---|---|---|---|
| Std. Counterweight (140 ton) | ○ | ○ | ○ | ○ |
| Add. Counterweight (84 ton) | ○ | ○ | ○ | ○ |

| BASIC BOOM | | | | |
|---------------------------------------|---|---|---|---|
| 12.0 m Lower Boom | ○ | ○ | ○ | ○ |
| 10.5 m Std. Insert Tapered Boom | — | ○ | ○ | ○ |
| 10.5 m Heavy-Duty Insert Tapered Boom | ○ | — | — | — |
| Std. Upper Boom | — | ○ | ○ | ○ |
| Heavy-Duty Upper Boom | ○ | — | — | — |

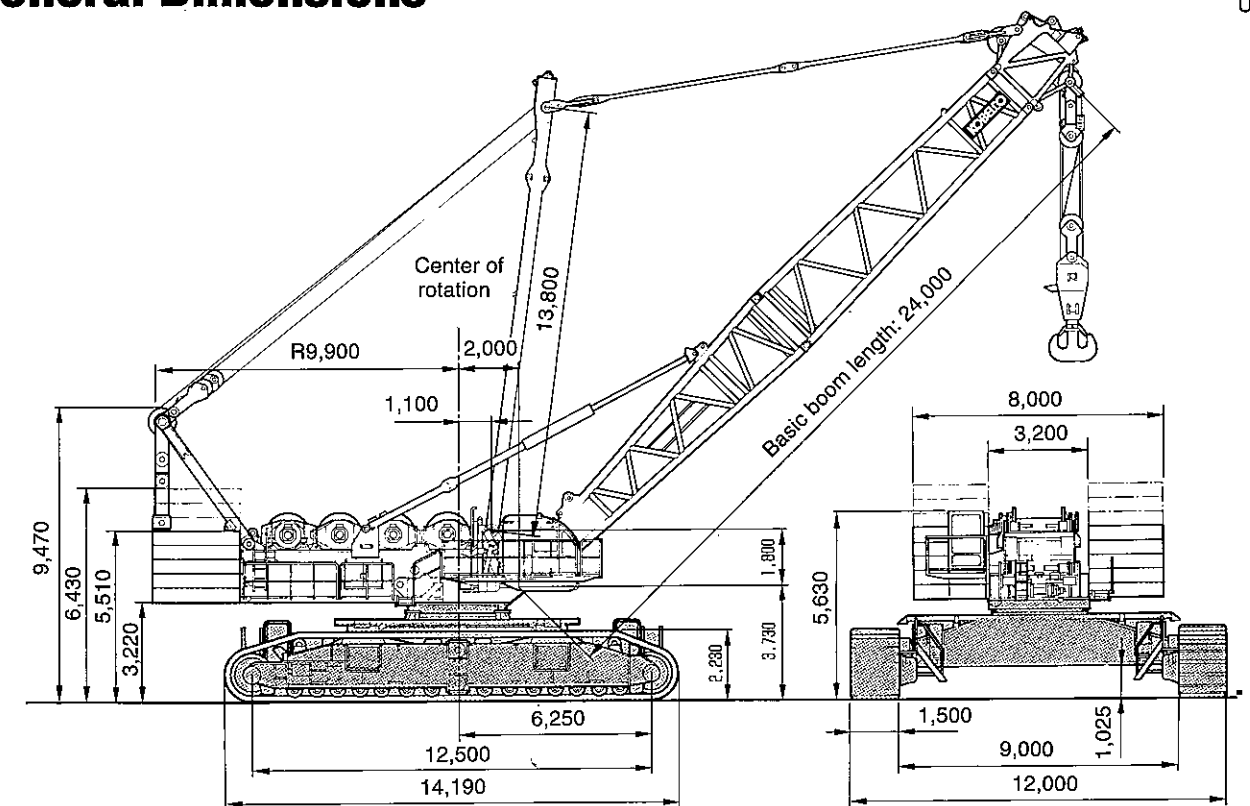
| INSERT BOOM | | | | |
|--------------------|---|---|---|---|
| 6.0 m Insert Boom | 1 | 1 | 1 | 1 |
| 12.0 m Insert Boom | 3 | 6 | 4 | 4 |

| LUFFING JIB | | | | |
|-------------------|---|---|---|---|
| 24.0 m Basic Jib | — | — | ○ | ○ |
| 12.0 m Insert Jib | — | — | 4 | 4 |

Note: number of Boom and Jib above shown means the numbers for the maximum length respectively.

General Dimensions

Unit: mm

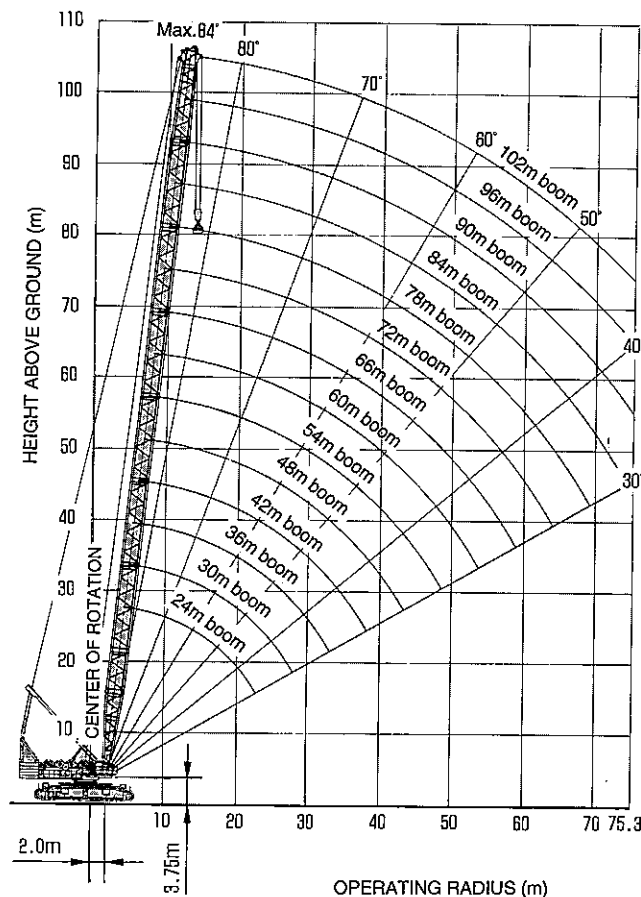


Notes :

- Operating radius is the horizontal distance from the centerline of rotation to a vertical line through the centerline of gravity of load.
- Rated load 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.
- Rated loads included in the charts are the maximum allowable freely suspended loads at the given boom length, boom angle and radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate loads to allow for adverse conditions (such as soft or uneven ground, out-of-level ground conditions, winds, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a loads).
- Areas on rated crane load table where no rating are shown, operation is not intended or approved.
- The loads can be lifted actually is obtained by deducting the weight of hook block, slings and all other load handling accessories from the rated crane load.
- For arrangements of the boom, jib and guy lines and reevings of the boom hoist rope, strictly observe the instruction of the operator's manual.

- Auxiliary sheave will be installed with 24 m to 102 m length of standard boom.
- Rated loads for aux. sheaves are determined by deducting the weights of aux. sheave (600 kg) and main hook from the ratings of main boom, but shall not exceed more than 16.5 metric ton.
- Actual hoistable loads using an auxiliary sheave are determined by deducting the weight of 16.5 metric ton ball-hook (800 kg), slings and other loads handling accessories from the rating shown.
- Maximum operating radius when using an auxiliary sheave must not exceed the maximum operating radius of main boom. Minimum operating radius is the working radius of the auxiliary sheave fitted at the boom angle for the minimum operating radius of the main boom.
- Rated loads for the main boom when equipped with an auxiliary sheave are determined by deducting the weight of the auxiliary sheave (600 kg) from ratings for the main boom without auxiliary sheave. In addition, if a 16.5 ton ball-hook is suspended from the auxiliary sheave, its weight (800 kg) must also be deducted.
- Actual hoistable loads using the main boom equipped with an auxiliary sheave are determined by deducting the weight of the hook and other load-handling gear, such as slings and cables, from ratings for the main boom when equipped with an auxiliary sheave.
- Never use hooks on the main boom and auxiliary sheave simultaneously.

WORKING RANGES



Hook block capacity and weight (metric ton)

| | | | |
|--------------------|---------|---------|---------|
| Capacity of hook | 650 ton | 400 ton | 230 ton |
| Weight(metric ton) | 12.0 | 9.1 | 7.9 |

| | | | |
|--------------------|---------|--------|--------------------|
| Capacity of hook | 100 ton | 50 ton | 16.5 ton ball hook |
| Weight(metric ton) | 4.3 | 2.3 | 0.8 |

Max. hoisting load per part of line

(Single drum)

| | | | | | |
|------------------------|-------|-------|-------|-------|-------|
| No. of parts of line | 1 | 2 | 3 | 4 | 5 |
| Max. load (metric ton) | 16.5 | 33.7 | 50.0 | 66.0 | 81.7 |
| No. of parts of line | 6 | 7 | 8 | 9 | 10 |
| Max. load (metric ton) | 97.0 | 112.1 | 126.9 | 141.3 | 155.5 |
| No. of parts of line | 11 | 12 | 13 | 14 | 15 |
| Max. load (metric ton) | 169.4 | 183.0 | 196.3 | 209.4 | 222.2 |
| No. of parts of line | 16 | | | | |
| Max. load (metric ton) | 230.0 | | | | |

(Double drum)

| | | | | | |
|------------------------|-------|-------|-------|-------|-------|
| No. of parts of line | 12 | 16 | 20 | 24 | 28 |
| Max. load (metric ton) | 194.1 | 253.7 | 311.0 | 366.0 | 418.8 |
| No. of parts of line | 32 | 36 | 40 | 44 | 48 |
| Max. load (metric ton) | 469.5 | 518.3 | 565.1 | 610.0 | 650.0 |

Boom rated loads in metric tons for 360° working area Standard boom/with Standard Counterweight

Unit: metric ton

| Operating radius (m) | Boom length m (ft) | | | | | | | | | | | | | | Operating radius (m) | |
|----------------------|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------------------|----|
| | 24 (79) | 30 (98) | 36 (118) | 42 (138) | 48 (157) | 54 (177) | 60 (197) | 66 (217) | 72 (236) | 78 (256) | 84 (276) | 90 (295) | 96 (315) | 102 (335) | | |
| 6 | 400 | | | | | | | | | | | | | | | 6 |
| 7 | 400 | 400 | 400 | | | | | | | | | | | | | 7 |
| 8 | 400 | 400 | 400 | 400 | | | | | | | | | | | | 8 |
| 9 | 400 | 400 | 400 | 400 | 400 | 363 | | | | | | | | | | 9 |
| 10 | 400 | 400 | 400 | 397 | 395 | 358 | 317 | | | | | | | | | 10 |
| 12 | 331 | 328 | 327 | 325 | 323 | 321 | 302 | 269 | 241 | 216 | | | | | | 12 |
| 14 | 286 | 285 | 284 | 280 | 275 | 269 | 268 | 257 | 231 | 208 | 187 | 169 | 141 | | | 14 |
| 16 | 240 | 239 | 239 | 237 | 232 | 230 | 229 | 227 | 221 | 200 | 180 | 155 | 141 | 112 | | 16 |
| 18 | 204 | 206 | 205 | 204 | 203 | 201 | 200 | 198 | 196 | 190 | 171 | 142 | 141 | 112 | | 18 |
| 20 | 174 | 180 | 180 | 179 | 178 | 177 | 176 | 175 | 173 | 172 | 157 | 131 | 135 | 112 | | 20 |
| 22 | 148 | 156 | 156 | 155 | 155 | 153 | 152 | 151 | 150 | 150 | 146 | 121 | 125 | 109 | | 22 |
| 24 | 120/23.3 | 138 | 137 | 136 | 136 | 134 | 133 | 132 | 131 | 131 | 130 | 112 | 116 | 101 | | 24 |
| 26 | | 123 | 122 | 120 | 120 | 118 | 117 | 116 | 115 | 115 | 114 | 104 | 108 | 93 | | 26 |
| 28 | | 110 | 109 | 108 | 108 | 106 | 105 | 104 | 103 | 102 | 101 | 97 | 99 | 87 | | 28 |
| 30 | | 107/28.5 | 99 | 98 | 97 | 95 | 94 | 93 | 92 | 91 | 90 | 89 | 88 | 82 | | 30 |
| 34 | | | 83/33.7 | 82 | 81 | 79 | 78 | 77 | 76 | 75 | 74 | 73 | 71 | 70 | | 34 |
| 38 | | | | 70 | 69 | 66 | 65 | 64 | 63 | 62 | 61 | 60 | 58 | 57 | | 38 |
| 42 | | | | 67/38.9 | 60 | 56 | 55 | 54 | 53 | 52 | 51 | 49 | 48 | 47 | | 42 |
| 46 | | | | | 54/44.1 | 49 | 47 | 46 | 45 | 44 | 43 | 41 | 40 | 39 | | 46 |
| 50 | | | | | | 43/49.3 | 41 | 40 | 38 | 37 | 36 | 35 | 33 | 32 | | 50 |
| 54 | | | | | | | 36 | 34 | 33 | 32 | 31 | 29 | 27 | 26 | | 54 |
| 58 | | | | | | | | 30 | 28 | 27 | 26 | 24 | 22 | 21 | | 58 |
| 62 | | | | | | | | | 28/59.7 | 24 | 23 | 21 | 20 | 17 | 16 | 62 |
| 66 | | | | | | | | | | 22/64.9 | 19 | 17 | 16 | 13 | | 66 |
| 70 | | | | | | | | | | | 16 | 14 | 12 | | | 70 |

For loads shown above the bold line, double drums must be used.

Boom rated loads in metric tons for 360° working area Standard boom/with Standard Counterweight + Additional Counterweight

Unit: metric ton

| Operating radius (m) | Boom length m (ft) | | | | | | | | | Operating radius (m) |
|----------------------|--------------------|----------|----------|----------|----------|----------|----------|----------|-----------|----------------------|
| | 54 (177) | 60 (197) | 66 (217) | 72 (236) | 78 (256) | 84 (276) | 90 (295) | 96 (315) | 102 (335) | |
| 9 | 363 | | | | | | | | | 9 |
| 10 | 358 | 317 | | | | | | | | 10 |
| 12 | 339 | 302 | 269 | 241 | 216 | | | | | 12 |
| 14 | 312 | 287 | 257 | 231 | 208 | 187 | 169 | 141 | | 14 |
| 16 | 268 | 267 | 246 | 221 | 200 | 180 | 155 | 141 | 112 | 16 |
| 18 | 234 | 233 | 231 | 211 | 190 | 171 | 142 | 141 | 112 | 18 |
| 20 | 207 | 206 | 204 | 201 | 180 | 157 | 131 | 135 | 112 | 20 |
| 22 | 185 | 184 | 182 | 181 | 170 | 146 | 121 | 125 | 109 | 22 |
| 24 | 167 | 166 | 164 | 163 | 160 | 136 | 112 | 116 | 101 | 24 |
| 26 | 152 | 151 | 149 | 147 | 146 | 127 | 104 | 108 | 93 | 26 |
| 28 | 139 | 138 | 136 | 135 | 133 | 119 | 97 | 102 | 87 | 28 |
| 30 | 128 | 127 | 125 | 123 | 122 | 111 | 91 | 96 | 82 | 30 |
| 34 | 108 | 107 | 106 | 105 | 104 | 93 | 80 | 85 | 72 | 34 |
| 38 | 92 | 91 | 90 | 89 | 88 | 78 | 70 | 74 | 63 | 38 |
| 42 | 79 | 78 | 77 | 76 | 75 | 66 | 62 | 63 | 55 | 42 |
| 46 | 69 | 68 | 67 | 66 | 65 | 56 | 54 | 53 | 47 | 46 |
| 50 | 59/49.3 | 60 | 59 | 57 | 56 | 48 | 47 | 45 | 40 | 50 |
| 54 | | 51 | 52 | 50 | 49 | 42 | 41 | 39 | 34 | 54 |
| 58 | | | 45 | 44 | 43 | 36 | 35 | 33 | 28 | 58 |
| 62 | | | | 41/59.7 | 40 | 38 | 32 | 30 | 28 | 62 |
| 66 | | | | | 33/64.9 | 34 | 28 | 26 | 24 | 66 |
| 70 | | | | | | 27 | 24 | 22 | 20 | 70 |
| 74 | | | | | | | 20 | 18 | 16 | 74 |
| 78 | | | | | | | | 19/75.3 | | 78 |

For loads shown above the bold line, double drums must be used.

Main Boom Lifting Capacities

Boom rated loads in metric tons for 360° working area Heavy-duty boom/with standard counterweight

Unit: metric ton

| Operating radius (m) | Boom length m (ft) | 24 (79) | 30 (98) | 36 (118) | 42 (138) | 48 (157) | 54 (177) | 60 (197) | Operating radius (m) |
|----------------------|--------------------|-----------------|-----------------|----------------|----------------|----------------|----------------|----------|----------------------|
| 6 | | 650 | | | | | | | 6 |
| 7 | | 574 | 574 | 550 | | | | | 7 |
| 8 | | 501 | 498 | 496 | 492 | | | | 8 |
| 9 | | 447 | 444 | 442 | 440 | 429 | 374 | | 9 |
| 10 | | 402 | 400 | 398 | 396 | 394 | 356 | 330 | 10 |
| 12 | | 328 | 326 | 325 | 323 | 321 | 319 | 299 | 12 |
| 14 | | 276 | 274 | 272 | 270 | 269 | 267 | 265 | 14 |
| 16 | | 237 | 235 | 234 | 232 | 230 | 228 | 227 | 16 |
| 18 | | 208 | 206 | 204 | 202 | 201 | 199 | 197 | 18 |
| 20 | | 178 | 177 | 177 | 176 | 175 | 175 | 174 | 20 |
| 22 | | 146 | 154 | 153 | 152 | 151 | 150 | 150 | 22 |
| 24 | | 117/23.3 | 135 | 134 | 133 | 132 | 131 | 131 | 24 |
| 26 | | | 120 | 119 | 118 | 117 | 116 | 115 | 26 |
| 28 | | | 108 | 107 | 105 | 104 | 103 | 103 | 28 |
| 30 | | | 104/28.5 | 96 | 95 | 94 | 93 | 92 | 30 |
| 34 | | | | 81/33.7 | 78 | 77 | 76 | 75 | 34 |
| 38 | | | | | 66 | 65 | 64 | 63 | 38 |
| 42 | | | | | 64/38.9 | 55 | 54 | 53 | 42 |
| 46 | | | | | | 51/44.1 | 46 | 45 | 46 |
| 50 | | | | | | | 41/49.3 | 39 | 50 |
| 54 | | | | | | | | 33 | 54 |

For loads shown above the bold line, double drums must be used.

Boom rated loads in metric tons for 360° working area Heavy-duty boom/with standard counterweight + additional counterweight

Unit: metric ton

| Operating radius (m) | Boom length m (ft) | 24 (79) | 30 (98) | 36 (118) | 42 (138) | 48 (157) | 54 (177) | 60 (197) | Operating radius (m) |
|----------------------|--------------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|----------|----------------------|
| 6 | | 650 | | | | | | | 6 |
| 7 | | 620 | 620 | 565 | | | | | 7 |
| 8 | | 538 | 535 | 533 | 500 | | | | 8 |
| 9 | | 480 | 477 | 475 | 473 | 442 | 380 | | 9 |
| 10 | | 433 | 430 | 428 | 426 | 424 | 378 | 347 | 10 |
| 12 | | 361 | 359 | 357 | 354 | 352 | 350 | 330 | 12 |
| 14 | | 304 | 302 | 300 | 298 | 296 | 294 | 287 | 14 |
| 16 | | 262 | 260 | 258 | 256 | 255 | 253 | 251 | 16 |
| 18 | | 229 | 227 | 226 | 224 | 222 | 221 | 219 | 18 |
| 20 | | 192 | 202 | 200 | 198 | 197 | 195 | 193 | 20 |
| 22 | | 159 | 181 | 179 | 177 | 176 | 174 | 173 | 22 |
| 24 | | 129/23.3 | 164 | 162 | 160 | 159 | 157 | 156 | 24 |
| 26 | | | 148 | 147 | 146 | 144 | 143 | 141 | 26 |
| 28 | | | 130 | 130 | 130 | 130 | 129 | 129 | 28 |
| 30 | | | 123/28.5 | 120 | 119 | 118 | 117 | 116 | 30 |
| 34 | | | | 101/33.7 | 99 | 98 | 97 | 96 | 34 |
| 38 | | | | | 85 | 84 | 82 | 81 | 38 |
| 42 | | | | | 82/38.9 | 72 | 71 | 70 | 42 |
| 46 | | | | | | 67/44.1 | 61 | 60 | 46 |
| 50 | | | | | | | 55/49.3 | 53 | 50 |
| 54 | | | | | | | | 46 | 54 |

For loads shown above the bold line, double drums must be used.

Luffing Jib Lifting Capacities

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Notes :

- Operating radius is the horizontal distance from the centerline of rotation to a vertical line through the centerline of gravity of load.
- Rated load 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.
- Rated loads included in the charts are the maximum allowable freely suspended loads at the given boom length, boom angle and radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate loads to allow for adverse conditions (such as soft or uneven ground, out-of-level ground conditions, winds, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a loads).
- Areas on rated crane load table where no rating are shown, operation is not intended or approved.
- The loads can be lifted actually is obtained by deducting the weight of hook block, slings and all other load handling accessories from the rated crane load.
- For jib operations, the main boom should be set at an angle of 88°, 78° or 68°, and the jib raised between 20° and 73°.
- For main boom operations with a jib attached, the jib should be set at an angle of 15°, 25° or 35°, and the main boom raised between 30° and 84°.

- For arrangements of the boom, jib and guy lines and reevings of the boom hoist rope, strictly observe the instruction of the operator's manual.
- An auxiliary sheave may be fitted to configurations from 30m boom + 24m jib to 78m boom + 72m jib.
- Rated loads for the auxiliary sheave are determined by deducting the weights of the auxiliary sheave (600kg) and jib hook from the ratings for the luffing jib. They must not exceed a maximum 16.5 tons.
- Actual hoistable loads using an auxiliary sheave are determined by deducting the weights of the 16.5ton ball-hook and the lifting gear, such as slings and cables, from the ratings.
- Rated loads for luffing jibs equipped with an auxiliary sheave are determined by deducting the weight of the auxiliary sheave from the ratings for the luffing jib with no auxiliary sheave. Additionally, when using a luffing jib with a 16.5ton ball-hook, the weight of the hook (800kg) must also be deducted.
- Actual hoistable loads using a luffing jib with an auxiliary sheave attached are determined by deducting the weights of the main hook and lifting gear, such as slings and cables, from ratings for the luffing jib equipped with an auxiliary sheave.
- The maximum working radius when using an auxiliary sheave must not exceed the maximum working radius of the main boom.
- The boom should in principle be erected over the front of the crawlers, and for main booms exceeding 72m in length pillow plates must be used under the crawlers.
- Rated loads for the main boom when equipped with a luffing jib are not provided.

Boom and jib combinations and allowable boom angle (Standard counterweight)

| Boom length | 24m jib | 30m jib | 36m jib | 42m jib | 48m jib | 54m jib | 60m jib | 66m jib | 72m jib | Boom offset angle |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------------|
| 30m | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 68° - 88° |
| 36m | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 68° - 88° |
| 42m | — | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 68° - 88° |
| 48m | — | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 68° - 88° |
| 54m | — | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 68° - 88° |

(Additional counterweight)

| Boom length | 24m jib | 30m jib | 36m jib | 42m jib | 48m jib | 54m jib | 60m jib | 66m jib | 72m jib | Boom offset angle |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------------|
| 42m | — | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 68° - 88° |
| 48m | — | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 68° - 88° |
| 54m | — | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 68° - 88° |
| 60m | — | — | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 68° - 88° |
| 66m | — | — | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 68° - 88° |
| 72m | — | — | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 68° - 88° |
| 78m | — | — | ○ | ○ | ○ | ○ | ○ | ○* | ○* | 68° - 88° |

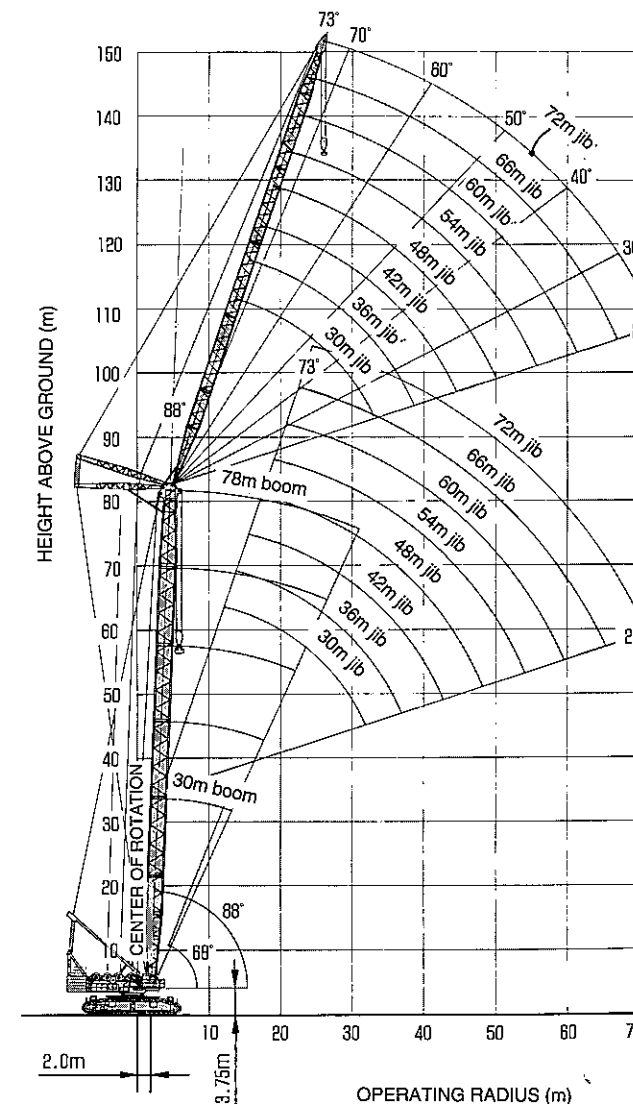
Boom angle marked with an asterisk (*) are 78° - 88°.

Hook block capacity and weight (metric ton)

| Capacity of hook | 230 ton | 100 ton | 500 ton | 16.5 ton ball hook |
|--------------------|---------|---------|---------|--------------------|
| Weight(metric ton) | 7.9 | 4.3 | 2.3 | 0.8 |

Max. hoisting load per part of line

| No. of parts of line | 1 | 2 | 3 | 4 | 5 |
|------------------------|-------|-------|-------|-------|-------|
| Max. load (metric ton) | 16.5 | 33.7 | 50.0 | 66.0 | 81.7 |
| No. of parts of line | 6 | 7 | 8 | 9 | 10 |
| Max. load (metric ton) | 97.0 | 112.1 | 126.9 | 141.3 | 155.5 |
| No. of parts of line | 11 | 12 | 13 | 14 | 15 |
| Max. load (metric ton) | 169.4 | 183.0 | 196.3 | 209.4 | 222.2 |
| No. of parts of line | 16 | | | | |
| Max. load (metric ton) | 230.0 | | | | |



Luffing jib rated loads in metric tons for 360° working area Luffing jib with 30 m boom/with standard counterweight

Unit: metric ton

| Operating radius (m) | 30 m Boom | | | | | | | | | | | | | | | Operating radius (m) |
|----------------------|------------|-------|------|------------|-------|------|------------|-------|------|------------|-------|------|------------|------|------|----------------------|
| | 24 m Jib | | | 30 m Jib | | | 36 m Jib | | | 42 m Jib | | | 48 m Jib | | | |
| | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | |
| 12 | 230.0 | | | | | | | | | | | | | | | 12 |
| 14 | 230.0 | | | 222.2 | | | 209.4 | | | | | | | | | 14 |
| 16 | 230.0 | | | 222.2 | | | 203.1 | | | 179.3 | | | | | | 16 |
| 18 | 207.6 | | | 211.2 | | | 195.1 | | | 172.7 | | | 153.4 | | | 18 |
| 20 | 173.5 | 173.5 | | 173.0 | | | 184.4 | | | 166.5 | | | 148.2 | | | 20 |
| 22 | 151.7 | 151.7 | | 151.0 | | | 161.8 | | | 160.7 | | | 143.3 | | | 22 |
| 24 | 135.0 | 135.0 | | 135.0 | 135.0 | | 143.7 | | | 145.7 | | | 138.6 | | | 24 |
| 26 | | 123.0 | | 121.5 | 121.5 | | 128.8 | 128.3 | | 130.7 | | | 131.8 | | | 26 |
| 28 | | 113.5 | | 110.3 | 110.3 | | 116.3 | 116.1 | | 118.2 | 115.9 | | 119.2 | | | 28 |
| 30 | | 105.9 | 99.3 | 100.1 | 100.1 | | 105.7 | 105.7 | | 107.5 | 105.6 | | 108.5 | | | 30 |
| 34 | | | 84.2 | | 83.7 | 83.3 | 88.0 | 88.0 | | 90.4 | 89.4 | | 91.3 | 88.9 | | 34 |
| 38 | | | | | | 72.0 | | 74.1 | 71.0 | 77.2 | 77.2 | | 78.1 | 76.7 | | 38 |
| 42 | | | | | | 63.2 | | 62.9 | 62.2 | 65.8 | 65.8 | 61.8 | 67.6 | 67.1 | | 42 |
| 46 | | | | | | | | | 55.2 | | 56.6 | 54.7 | 59.0 | 59.0 | 54.0 | 46 |
| 50 | | | | | | | | | | 49.0 | | | 51.9 | 48.2 | | 50 |
| 54 | | | | | | | | | | | | | | 43.4 | | 54 |
| 58 | | | | | | | | | | | | | | 39.4 | | 58 |
| 62 | | | | | | | | | | | | | | | | 62 |

Luffing jib rated loads in metric tons for 360° working area Luffing jib with 36 m boom/with standard counterweight

Unit: metric ton

| Operating radius (m) | 36 m Boom | | | | | | | | | | | | | | | Operating radius (m) |
|----------------------|------------|-------|------|------------|-----|-----|------------|-------|-----|------------|-------|-----|------------|-------|-------|----------------------|
| | 24 m Jib | | | 30 m Jib | | | 36 m Jib | | | 42 m Jib | | | 48 m Jib | | | |
| | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | |
| 12 | 222.2 | | | | | | | | | | | | | | | 12 |
| 14 | 222.2 | | | | | | 209.4 | | | | | | | | | 14 |
| 16 | 222.2 | | | | | | 209.4 | | | 196.3 | | | 179.9 | | | 16 |
| 18 | 211.7 | | | | | | 209.4 | | | 195.6 | | | 173.2 | | | 18 |
| 20 | 181.0 | | | | | | 186.4 | | | 188.3 | | | 166.9 | | 148.6 | 20 |
| 22 | 156.6 | 156.6 | | | | | 163.1 | | | 165.6 | | | 161.1 | | 143.7 | 22 |
| 24 | 136.4 | 136.4 | | | | | 144.4 | 141.2 | | 146.8 | | | 148.5 | | 139.0 | 24 |
| 26 | 119.9 | 119.9 | | | | | 129.1 | 126.6 | | 131.4 | | | 133.1 | | 134.3 | 26 |
| 28 | | 106.3 | | | | | 116.2 | 114.6 | | 118.6 | 113.9 | | 120.2 | | 121.3 | 28 |
| 30 | | 95.0 | | | | | 105.1 | 104.5 | | 107.7 | 103.8 | | 109.3 | 103.4 | 110.3 | 30 |
| 34 | | | 78.0 | | | | 88.6 | 88.6 | | 90.0 | 87.9 | | 91.7 | 87.5 | 92.7 | 34 |
| 38 | | | 66.0 | | | | 76.6 | 68.7 | | 75.9 | 67.9 | | 78.2 | 75.5 | 79.2 | 38 |
| 42 | | | | | | | | 60.2 | | 66.0 | 59.4 | | 67.3 | 66.1 | 68.5 | 42 |
| 46 | | | | | | | | | | | 52.6 | | 58.6 | 52.0 | 59.7 | 46 |
| 50 | | | | | | | | | | | 47.1 | | | 46.4 | 51.9 | 50 |
| 54 | | | | | | | | | | | | | 41.8 | 46.8 | 41.1 | 54 |
| 58 | | | | | | | | | | | | | | | 37.2 | 58 |
| 62 | | | | | | | | | | | | | | | | 62 |

| Operating radius (m) | 30 m Boom | | | | | | | | | | | | Operating radius (m) |
|----------------------|------------|------|------|------------|------|------|------------|------|------|------------|------|------|----------------------|
| | 54 m Jib | | | 60 m Jib | | | 66 m Jib | | | 72 m Jib | | | |
| | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | |
| 18 | | | | | | | | | | | | | 18 |
| 20 | 132.4 | | | | | | | | | | | | 20 |
| 22 | 128.3 | | | 113.7 | | | | | | | | | 22 |
| 24 | 124.0 | | | 109.3 | | | 89.6 | | | | | | 24 |
| 26 | 119.1 | | | 104.9 | | | 84.4 | | | 71.5 | | | 26 |
| 28 | 114.4 | | | 100.6 | | | 79.6 | | | 67.3 | | | 28 |
| 30 | 108.8 | | | 95.4 | | | 75.2 | | | 63.4 | | | 30 |
| 34 | 91.6 | 88.3 | | 85.0 | | | 67.7 | | | 56.8 | | | 34 |
| 38 | 78.4 | 76.1 | | 75.6 | 75.3 | | 61.5 | | | 51.2 | | | 38 |
| 42 | 67.9 | 66.5 | | 67.0 | 65.8 | | 56.2 | 56.2 | | 46.5 | 46.5 | | 42 |
| 46 | 59.4 | 58.8 | | 59.3 | 58.1 | | 51.8 | 51.8 | | 42.4 | 42.4 | | 46 |
| 50 | 52.3 | 52.3 | 47.5 | 52.3 | 51.8 | | 48.1 | 48.1 | | 38.8 | 38.8 | | 50 |
| 54 | 45.4 | 45.4 | 42.7 | 46.4 | 46.4 | 41.8 | 43.8 | 43.8 | 41.5 | 35.7 | 35.7 | | 54 |
| 58 | | 39.5 | 38.6 | 41.2 | 41.2 | 37.8 | 40.0 | 40.0 | 37.4 | 32.9 | 32.9 | 32.9 | 58 |
| 62 | | | 35.2 | 36.7 | 34.3 | 37.2 | 37.2 | 33.9 | 30.5 | 30.5 | 30.5 | | 62 |
| 66 | | | | | | 31.3 | | 34.7 | 30.8 | 28.3 | 28.3 | 28.3 | 66 |
| 70 | | | | | | 28.7 | | 31.8 | 28.2 | 26.5 | 26.5 | 26.5 | 70 |
| 74 | | | | | | | | | 25.7 | | 24.9 | 24.6 | 74 |
| 78 | | | | | | | | | | | | 22.3 | 78 |

| Operating radius (m) | 36 m Boom | | | | | | | | | | | | Operating radius (m) |
|----------------------|------------|------|------|------------|-----|-----|------------|------|------|------------|------|------|----------------------|
| | 54 m Jib | | | 60 m Jib | | | 66 m Jib | | | 72 m Jib | | | |
| | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | |
| 20 | 132.7 | | | | | | | | | | | | 20 |
| 22 | 128.6 | | | | | | 114.1 | | | | | | 22 |
| 24 | 124.4 | | | | | | 109.3 | | | 90.0 | | | 24 |
| 26 | 119.5 | | | | | | 105.0 | | | 84.8 | | 71.8 | 26 |
| 28 | 114.7 | | | | | | 101.3 | | | 80.1 | | 67.6 | 28 |
| 30 | 110.1 | | | | | | 95.9 | | | 75.8 | | 63.7 | 30 |
| 34 | 93.0 | | | | | | 85.1 | | | 68.2 | | 57.0 | 34 |
| 38 | 79.6 | 74.3 | | | | | 75.7 | 73.6 | | 61.8 | | 51.4 | 38 |
| 42 | 68.9 | 64.9 | | | | | 67.3 | 64.2 | | 56.5 | 56.5 | 46.6 | 42 |
| 46 | 60.2 | 57.2 | | | | | 59.8 | 56.6 | | 52.1 | 52.1 | 42.5 | 46 |
| 50 | 53.0 | 51.2 | 45.0 | | | | 53.0 | 50.5 | | 48.3 | 48.3 | 38.9 | 50 |
| 54 | 46.7 | 46.1 | 40.4 | | | | 46.9 | 45.3 | 39.5 | 43.8 | 43.8 | 35.7 | 54 |
| 58 | | 41.8 | 36.4 | | | | 41.7 | 41.0 | 35.6 | 40.3 | 40.3 | 35.2 | 58 |
| 62 | | | | | | | | 37.3 | 32.2 | 37.7 | 36.9 | 31.8 | 62 |
| 66 | | | | | | | | 34.1 | 29.1 | | 33.7 | 28.6 | 66 |
| 70 | | | | | | | | | 26.4 | | 30.9 | 25.8 | 70 |
| 74 | | | | | | | | | | | | 23.4 | 74 |
| 78 | | | | | | | | | | | | 21.2 | 78 |
| 82 | | | | | | | | | | | | | 82 |

Luffing Jib Lifting Capacities

7650

Luffing jib rated loads in metric tons for 360° working area
Luffing jib with 42 m boom/with standard counterweight + additional counterweight

Unit: metric ton

| Operating radius (m) | 42 m Boom | | | | | | | | | | | | | | | Operating radius (m) | |
|----------------------|------------|-------|------|------------|-------|------|------------|------|------|------------|------|------|------------|------|------|----------------------|----|
| | 30 m Jib | | | 36 m Jib | | | 42 m Jib | | | 48 m Jib | | | 54 m Jib | | | | |
| | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | | |
| 14 | 196.3 | | | | | | | | | | | | | | | | 14 |
| 16 | 196.3 | | | 183.0 | | | | | | | | | | | | | 16 |
| 18 | 196.3 | | | 183.0 | | | 169.4 | | | 154.2 | | | | | | | 18 |
| 20 | 189.5 | | | 183.0 | | | 167.4 | | | 149.0 | | | 133.1 | | | | 20 |
| 22 | 165.9 | | | 168.5 | | | 161.5 | | | 144.0 | | | 128.9 | | | | 22 |
| 24 | 146.7 | | | 149.2 | | | 151.0 | | | 139.3 | | | 124.8 | | | | 24 |
| 26 | 130.9 | 130.9 | | 133.4 | | | 135.1 | | | 134.8 | | | 119.8 | | | | 26 |
| 28 | 117.7 | 117.7 | | 120.2 | 120.2 | | 121.9 | | | 123.1 | | | 115.0 | | | | 28 |
| 30 | 106.3 | 106.3 | | 109.0 | 109.0 | | 110.7 | | | 111.8 | | | 110.4 | | | | 30 |
| 34 | | 88.0 | | 91.0 | 91.0 | | 92.8 | 92.8 | | 93.8 | 93.8 | | 94.3 | | | | 34 |
| 38 | | 73.7 | 73.7 | | 77.2 | | 79.0 | 79.0 | | 80.1 | 80.1 | | 80.5 | 80.5 | | | 38 |
| 42 | | | 62.4 | | 66.3 | 66.3 | 67.9 | 67.9 | | 69.2 | 69.2 | | 69.6 | 69.6 | | | 42 |
| 46 | | | 53.1 | | | 57.4 | | 58.9 | 58.9 | 60.2 | 60.2 | | 60.7 | 60.7 | | | 46 |
| 50 | | | | | | 50.0 | | 51.4 | 51.4 | | 52.7 | 52.7 | 53.4 | 53.4 | | | 50 |
| 54 | | | | | | | | | 45.0 | | 46.4 | 46.4 | 47.1 | 47.1 | 47.1 | | 54 |
| 58 | | | | | | | | | | | | 41.0 | 41.8 | 41.8 | | | 58 |
| 62 | | | | | | | | | | | | | 36.3 | 37.2 | 37.2 | | 62 |
| 66 | | | | | | | | | | | | | | | 33.1 | | 66 |

Luffing jib rated loads in metric tons for 360° working area
Luffing jib with 48 m boom/with standard counterweight + additional counterweight

Unit: metric ton

| Operating radius (m) | 48 m Boom | | | | | | | | | | | | | | | Operating radius (m) | |
|----------------------|------------|-------|-----|------------|-------|-----|------------|------|-----|------------|------|-----|------------|------|------|----------------------|----|
| | 30 m Jib | | | 36 m Jib | | | 42 m Jib | | | 48 m Jib | | | 54 m Jib | | | | |
| | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | | |
| 14 | 169.4 | | | | | | | | | | | | | | | | 14 |
| 16 | 169.4 | | | 169.4 | | | | | | | | | | | | | 16 |
| 18 | 169.4 | | | 169.4 | | | | | | 155.5 | | | | | | | 18 |
| 20 | 169.4 | | | 169.4 | | | | | | 155.5 | | | 141.3 | | | 133.4 | 20 |
| 22 | 166.9 | | | 169.4 | | | | | | 155.5 | | | 141.3 | | | 129.2 | 22 |
| 24 | 148.6 | | | 151.2 | | | | | | 153.1 | | | 139.6 | | | 125.1 | 24 |
| 26 | 132.5 | | | 135.0 | | | | | | 136.9 | | | 135.1 | | | 120.2 | 26 |
| 28 | 118.9 | 118.9 | | 121.6 | | | | | | 123.4 | | | 124.6 | | | 115.4 | 28 |
| 30 | 107.4 | 107.4 | | 110.1 | 110.1 | | | | | 111.9 | | | 113.1 | | | 110.7 | 30 |
| 34 | | 88.8 | | 91.8 | 91.8 | | | | | 93.6 | 93.6 | | 94.8 | | | 95.3 | 34 |
| 38 | | 74.5 | | | 77.7 | | | | | 79.6 | 79.6 | | 80.8 | 80.8 | | 81.2 | 38 |
| 42 | | | | 63.2 | | | 66.6 | | | 68.4 | 68.4 | | 69.7 | 69.7 | | 70.2 | 42 |
| 46 | | | | 54.0 | | | 57.6 | 57.6 | | 59.4 | 59.4 | | 60.6 | 60.6 | | 61.2 | 46 |
| 50 | | | | | | | | 50.2 | | 51.9 | 51.9 | | 53.1 | 53.1 | 53.7 | 53.7 | 50 |
| 54 | | | | | | | | 43.9 | | | 45.5 | | 46.7 | 46.7 | 47.4 | 47.4 | 54 |
| 58 | | | | | | | | | | | 40.1 | | | 41.3 | | 42.0 | 58 |
| 62 | | | | | | | | | | | | | | 36.6 | | 37.4 | 62 |
| 66 | | | | | | | | | | | | | | | | 33.4 | 66 |
| 70 | | | | | | | | | | | | | | | | 29.8 | 70 |

| Operating radius (m) | 42 m Boom | | | | | | | | | Operating radius (m) |
|----------------------|------------|------|------|------------|------|------|------------|------|------|----------------------|
| | 60 m Jib | | | 66 m Jib | | | 72 m Jib | | | |
| | Boom Angle | | | Boom Angle | | | Boom Angle | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | |
| 22 | 114.4 | | | | | | | | | 22 |
| 24 | 109.9 | | | 90.5 | | | | | | 24 |
| 26 | 105.7 | | | 85.1 | | | 72.2 | | | 26 |
| 28 | 101.9 | | | 80.2 | | | 67.9 | | | 28 |
| 30 | 96.5 | | | 75.7 | | | 64.0 | | | 30 |
| 34 | 85.4 | | | 68.1 | | | 57.2 | | | 34 |
| 38 | 75.9 | | | 61.6 | | | 51.5 | | | 38 |
| 42 | 67.4 | 67.4 | | 56.2 | 56.2 | | 46.7 | | | 42 |
| 46 | 60.0 | 60.0 | | 51.5 | 51.5 | | 42.5 | 42.5 | | 46 |
| 50 | 53.2 | 53.2 | | 47.8 | 47.8 | | 38.9 | 38.9 | | 50 |
| 54 | 47.3 | 47.3 | | 43.9 | 43.9 | | 35.7 | 35.7 | | 54 |
| 58 | 42.1 | 42.1 | 42.1 | 40.6 | 40.6 | | 32.9 | 32.9 | | 58 |
| 62 | | 37.5 | 37.5 | 38.0 | 38.0 | 38.0 | 30.5 | 30.5 | 30.5 | 62 |
| 66 | | 33.4 | 33.4 | | 35.8 | 35.8 | 28.3 | 28.3 | 28.3 | 66 |
| 70 | | | 29.8 | | 33.9 | 33.9 | 26.4 | 26.4 | 26.4 | 70 |
| 74 | | | 26.5 | | | 32.3 | | 24.7 | 24.7 | 74 |
| 78 | | | | | | 31.0 | | 23.1 | 23.1 | 78 |
| 82 | | | | | | | | | 21.8 | 82 |
| 86 | | | | | | | | | 20.5 | 86 |

| Operating radius (m) | 48 m Boom | | | | | | | | | Operating radius (m) |
|----------------------|------------|------|------|------------|------|------|------------|------|------|----------------------|
| | 60 m Jib | | | 66 m Jib | | | 72 m Jib | | | |
| | Boom Angle | | | Boom Angle | | | Boom Angle | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | |
| 22 | 114.8 | | | | | | | | | 22 |
| 24 | 110.2 | | | 91.0 | | | | | | 24 |
| 26 | 106.1 | | | 85.5 | | | 72.5 | | | 26 |
| 28 | 102.5 | | | 80.5 | | | 68.2 | | | 28 |
| 30 | 97.1 | | | 76.0 | | | 64.2 | | | 30 |
| 34 | 85.8 | | | 68.3 | | | 57.4 | | | 34 |
| 38 | 76.1 | | | 61.8 | | | 51.7 | | | 38 |
| 42 | 67.6 | 67.6 | | 56.3 | | | 46.8 | | | 42 |
| 46 | 60.0 | 60.0 | | 51.7 | 51.7 | | 42.6 | 42.6 | | 46 |
| 50 | 53.4 | 53.4 | | 48.0 | 48.0 | | 39.0 | 39.0 | | 50 |
| 54 | 47.5 | 47.5 | | 43.9 | 43.9 | | 35.8 | 35.8 | | 54 |
| 58 | 42.3 | 42.3 | 42.3 | 40.2 | 40.2 | | 33.0 | 33.0 | | 58 |
| 62 | | 37.6 | 37.6 | 37.0 | 37.0 | 37.0 | 30.5 | 30.5 | | 62 |
| 66 | | 33.4 | 33.4 | 34.1 | 34.1 | 34.1 | 28.3 | 28.3 | 28.3 | 66 |
| 70 | | | 29.6 | | 31.5 | 31.5 | 26.4 | 26.4 | 26.4 | 70 |
| 74 | | | 26.1 | | 29.2 | 29.2 | | 24.7 | 24.7 | 74 |
| 78 | | | | | | 27.2 | | 23.3 | 23.3 | 78 |
| 82 | | | | | | 25.3 | | | 22.0 | 82 |
| 86 | | | | | | | | | 20.8 | 86 |

Luffing jib rated loads in metric tons for 360° working area
Luffing jib with 54 m boom/with standard counterweight + additional counterweight

Unit: metric ton

| Operating radius (m) | 54 m Boom | | | | | | | | | | | | | | | Operating radius (m) |
|----------------------|------------|-------|------|------------|------|-----|------------|------|-----|------------|------|-----|------------|------|-----|----------------------|
| | 30 m Jib | | | 36 m Jib | | | 42 m Jib | | | 48 m Jib | | | 54 m Jib | | | |
| | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | |
| 14 | 169.4 | | | | | | | | | | | | | | | 14 |
| 16 | 169.4 | | | 155.5 | | | | | | | | | | | | 16 |
| 18 | 169.4 | | | 155.5 | | | 141.3 | | | | | | | | | 18 |
| 20 | 169.4 | | | 155.5 | | | 141.3 | | | 141.3 | | | | | | 20 |
| 22 | 159.2 | | | 155.5 | | | 141.3 | | | 141.3 | | | 126.9 | | | 22 |
| 24 | 147.0 | | | 148.7 | | | 141.3 | | | 140.0 | | | 125.4 | | | 24 |
| 26 | 134.0 | | | 136.3 | | | 137.9 | | | 135.4 | | | 120.5 | | | 26 |
| 28 | 120.1 | 120.1 | | 122.9 | | | 124.8 | | | 126.1 | | | 115.7 | | | 28 |
| 30 | 108.4 | 108.4 | | 111.3 | | | 113.1 | | | 114.4 | | | 111.0 | | | 30 |
| 34 | | 89.1 | | 92.6 | 92.6 | | 94.5 | 94.5 | | 95.7 | | | 96.2 | | | 34 |
| 38 | | 73.1 | | 76.5 | 76.5 | | 80.2 | 80.2 | | 81.4 | 81.4 | | 81.9 | | | 38 |
| 42 | | 59.7 | 59.7 | 63.4 | 63.4 | | 68.9 | 68.9 | | 70.2 | 70.2 | | 70.7 | 70.7 | | 42 |
| 46 | | | 48.4 | 52.1 | 52.1 | | 59.7 | 59.7 | | 61.0 | 61.0 | | 61.6 | 61.6 | | 46 |
| 50 | | | 38.7 | | 42.4 | | 52.2 | 52.2 | | 53.5 | | | 54.1 | 54.1 | | 50 |
| 54 | | | | | 34.0 | | | 45.8 | | 47.1 | 47.1 | | 47.7 | 47.7 | | 54 |
| 58 | | | | | | | | 40.3 | | 41.7 | 41.7 | | 42.3 | 42.3 | | 58 |
| 62 | | | | | | | | 35.7 | | | 37.0 | | 37.6 | 37.6 | | 62 |
| 66 | | | | | | | | | | | 33.0 | | | 33.5 | | 66 |
| 70 | | | | | | | | | | | | | | 29.8 | | 70 |

Luffing jib rated loads in metric tons for 360° working area
Luffing jib with 60 m boom/with standard counterweight + additional counterweight

Unit: metric ton

| Operating radius (m) | 60 m Boom | | | | | | | | | | | | | | | Operating radius (m) |
|----------------------|------------|------|-----|------------|------|------|------------|-----|-----|------------|------|-----|------------|------|-------|----------------------|
| | 36 m Jib | | | 42 m Jib | | | 48 m Jib | | | 54 m Jib | | | 60 m Jib | | | |
| | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | |
| 16 | 141.3 | | | | | | | | | | | | | | | 16 |
| 18 | 141.3 | | | 141.3 | | | | | | | | | | | | 18 |
| 20 | 141.3 | | | 141.3 | | | | | | 126.9 | | | | | | 20 |
| 22 | 141.3 | | | 141.3 | | | | | | 126.9 | | | 126.9 | | | 22 |
| 24 | 137.7 | | | 138.3 | | | | | | 126.9 | | | 125.7 | | 110.9 | 24 |
| 26 | 128.2 | | | 128.8 | | | | | | 126.9 | | | 120.9 | | 103.3 | 26 |
| 28 | 119.9 | | | 120.4 | | | | | | 120.9 | | | 116.1 | | 98.8 | 28 |
| 30 | 112.2 | | | 112.9 | | | | | | 113.3 | | | 111.4 | | 96.0 | 30 |
| 34 | 93.7 | 93.7 | | 95.2 | | | | | | 96.5 | | | 97.4 | | 84.3 | 34 |
| 38 | 78.3 | 78.3 | | 80.8 | 80.8 | | | | | 82.0 | 82.0 | | 82.6 | | 74.5 | 38 |
| 42 | | 67.3 | | 69.2 | 69.2 | | | | | 70.6 | 70.6 | | 71.2 | 71.2 | 66.3 | 42 |
| 46 | | 57.6 | | | 59.4 | | | | | 61.3 | 61.3 | | 61.9 | 61.9 | 59.1 | 46 |
| 50 | | | | 49.5 | 51.2 | | | | | 53.7 | | | 54.3 | 54.3 | 53.0 | 50 |
| 54 | | | | 42.5 | 44.1 | 44.1 | | | | 47.2 | | | 47.8 | 47.8 | 47.7 | 54 |
| 58 | | | | 36.4 | | 38.0 | | | | 41.7 | 41.7 | | 42.3 | 41.2 | 43.1 | 58 |
| 62 | | | | | | 32.6 | | | | | 37.0 | | 37.5 | 37.1 | 39.1 | 62 |
| 66 | | | | | | | | | | | 32.9 | | | 33.6 | 35.5 | 66 |
| 70 | | | | | | | | | | | 29.3 | | | 30.6 | 32.3 | 70 |
| 74 | | | | | | | | | | | | | | 27.9 | | 74 |
| 78 | | | | | | | | | | | | | | | 24.7 | 78 |

| Operating radius (m) | 54 m Boom | | | | | | | | | Operating radius (m) |
|----------------------|------------|------|------|------------|------|------|------------|------|-----|----------------------|
| | 60 m Jib | | | 66 m Jib | | | 72 m Jib | | | |
| | Boom Angle | | | Boom Angle | | | Boom Angle | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | |
| 22 | 115.1 | | | | | | | | | 22 |
| 24 | 110.6 | | | 91.4 | | | | | | 24 |
| 26 | 106.6 | | | 85.8 | | | 72.9 | | | 26 |
| 28 | 103.1 | | | 80.9 | | | 68.5 | | | 28 |
| 30 | 97.6 | | | 76.3 | | | 64.5 | | | 30 |
| 34 | 86.1 | | | 68.5 | | | 57.6 | | | 34 |
| 38 | 76.2 | | | 61.9 | | | 51.9 | | | 38 |
| 42 | 67.6 | 67.6 | | 56.5 | | | 46.9 | | | 42 |
| 46 | 60.1 | 60.1 | | 51.9 | 51.9 | | 42.7 | | | 46 |
| 50 | 53.5 | 53.5 | | 48.2 | 48.2 | | 39.0 | 39.0 | | 50 |
| 54 | 47.6 | 47.6 | | 43.9 | 43.9 | | 35.8 | 35.8 | | 54 |
| 58 | 42.5 | 42.5 | | 40.2 | 40.2 | | 33.0 | 33.0 | | 58 |
| 62 | | 37.9 | 37.9 | 37.0 | 37.0 | | 30.5 | 30.5 | | 62 |
| 66 | | 33.8 | 33.8 | 34.4 | 34.4 | 34.4 | 28.3 | 28.3 | | 66 |
| 70 | | 30.1 | 30.1 | 32.1 | 32.1 | 26.3 | 26.3 | 26.3 | | 70 |
| 74 | | | 26.8 | 30.1 | 29.3 | | 24.5 | 24.5 | | 74 |
| 78 | | | 23.8 | | 26.7 | | 22.9 | 22.9 | | 78 |
| 82 | | | | | 24.5 | | | 21.4 | | 82 |
| 86 | | | | | | | | 20.1 | | 86 |
| 90 | | | | | | | | 18.8 | | 90 |

| Operating radius (m) | 60 m Boom | | | | | | Operating radius (m) |
|----------------------|------------|------|------|------------|------|-----|----------------------|
| | 66 m Jib | | | 72 m Jib | | | |
| | Boom Angle | | | Boom Angle | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | |
| 24 | 91.9 | | | | | 24 | |
| 26 | 86.3 | | | 73.3 | | 26 | |
| 28 | 81.2 | | | 68.8 | | 28 | |
| 30 | 76.6 | | | 64.8 | | 30 | |
| 34 | 68.8 | | | 57.8 | | 34 | |
| 38 | 62.1 | | | 52.0 | | 38 | |
| 42 | 56.6 | | | 47.1 | | 42 | |
| 46 | 52.2 | 52.2 | | 42.8 | | 46 | |
| 50 | 48.3 | 48.3 | | 39.1 | 39.1 | 50 | |
| 54 | 44.1 | 44.1 | | 35.9 | 35.9 | 54 | |
| 58 | 40.8 | 40.8 | | 33.0 | 33.0 | 58 | |
| 62 | 37.5 | 37.5 | | 30.5 | 30.5 | 62 | |
| 66 | 34.4 | 34.4 | 34.4 | 28.3 | 28.3 | 66 | |
| 70 | | 31.2 | 31.2 | 26.3 | 26.3 | 70 | |
| 74 | | 28.1 | 28.1 | 24.5 | 24.5 | 74 | |
| 78 | | | 25.1 | 22.9 | 22.8 | 78 | |
| 82 | | | | 22.1 | 21.4 | 82 | |
| 86 | | | | 19.1 | | 86 | |
| 90 | | | | | 17.1 | 90 | |

Luffing jib rated loads in metric tons for 360° working area
Luffing jib with 66 m boom/with standard counterweight + additional counterweight

Unit: metric ton

| Operating radius (m) | 66 m Boom | | | | | | | | | | | | | | | Operating radius (m) | |
|----------------------|------------|------|------|------------|------|------|------------|------|------|------------|------|------|------------|------|------|----------------------|----|
| | 36 m Jib | | | 42 m Jib | | | 48 m Jib | | | 54 m Jib | | | 60 m Jib | | | | |
| | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | | |
| 16 | 141.3 | | | | | | | | | | | | | | | | 16 |
| 18 | 141.3 | | | 126.9 | | | | | | | | | | | | | 18 |
| 20 | 141.3 | | | 126.9 | | | 126.9 | | | | | | | | | | 20 |
| 22 | 132.5 | | | 126.9 | | | 126.9 | | | 112.1 | | | | | | | 22 |
| 24 | 122.7 | | | 123.2 | | | 122.9 | | | 112.1 | | | 111.2 | | | | 24 |
| 26 | 114.1 | | | 114.7 | | | 114.4 | | | 112.1 | | | 105.2 | | | | 26 |
| 28 | 106.3 | | | 107.0 | | | 106.9 | | | 106.8 | | | 99.2 | | | | 28 |
| 30 | 99.3 | | | 100.2 | | | 100.1 | | | 100.1 | | | 93.9 | | | | 30 |
| 34 | 87.0 | 87.0 | | 88.2 | | | 88.4 | | | 88.5 | | | 84.5 | | | | 34 |
| 38 | 76.3 | 76.3 | | 78.2 | 78.2 | | 78.5 | | | 78.6 | | | 76.8 | | | | 38 |
| 42 | | 67.1 | | 69.5 | 69.5 | | 69.9 | 69.9 | | 69.9 | 69.9 | | 70.0 | | | | 42 |
| 46 | | 59.1 | | 62.1 | 62.1 | | 61.7 | 61.7 | | 62.3 | 62.3 | | 62.8 | 62.8 | | | 46 |
| 50 | | 52.0 | 50.6 | | 55.6 | | | 54.5 | | 54.6 | 54.6 | | 55.4 | 55.4 | | | 50 |
| 54 | | | 45.2 | | 49.8 | 44.3 | | 48.0 | | 48.0 | 48.0 | | 48.9 | 48.9 | | | 54 |
| 58 | | | 40.7 | | | 39.7 | | 41.9 | 38.0 | | 41.8 | | 43.3 | 43.3 | | | 58 |
| 62 | | | | | | 35.9 | | | 34.2 | | 36.2 | 33.2 | | 38.3 | | | 62 |
| 66 | | | | | | 32.6 | | | 30.9 | | 30.9 | 29.9 | | 34.0 | 29.2 | | 66 |
| 70 | | | | | | | | 28.1 | | | | 27.1 | | 30.0 | 26.3 | | 70 |
| 74 | | | | | | | | | | | | 24.6 | | | 23.8 | | 74 |
| 78 | | | | | | | | | | | | 22.5 | | | 21.6 | | 78 |
| 82 | | | | | | | | | | | | | | | 19.7 | | 82 |

Luffing jib rated loads in metric tons for 360° working area
Luffing jib with 72 m boom/with standard counterweight + additional counterweight

Unit: metric ton

| Operating radius (m) | 72 m Boom | | | | | | | | | | | | | | | Operating radius (m) | |
|----------------------|------------|------|------|------------|------|------|------------|-----|-----|------------|------|-----|------------|-------|------|----------------------|----|
| | 36 m Jib | | | 42 m Jib | | | 48 m Jib | | | 54 m Jib | | | 60 m Jib | | | | |
| | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | | |
| 16 | 126.9 | | | | | | | | | | | | | | | | 16 |
| 18 | 126.9 | | | 126.3 | | | | | | | | | | | | | 18 |
| 20 | 116.7 | | | 116.4 | | | | | | 112.1 | | | | | | | 20 |
| 22 | 107.8 | | | 107.6 | | | | | | 106.9 | | | | 106.1 | | | 22 |
| 24 | 99.9 | | | 99.8 | | | | | | 99.2 | | | | 98.7 | | 97.0 | 24 |
| 26 | 93.0 | | | 93.0 | | | | | | 92.4 | | | | 91.9 | | 91.1 | 26 |
| 28 | 86.7 | | | 86.8 | | | | | | 86.3 | | | | 85.9 | | 85.1 | 28 |
| 30 | 81.1 | | | 81.3 | | | | | | 80.8 | | | | 80.5 | | 79.7 | 30 |
| 34 | 71.3 | 71.3 | | 71.8 | | | | | | 71.4 | | | | 71.2 | | 70.4 | 34 |
| 38 | 63.0 | 63.0 | | 63.8 | 63.8 | | | | | 63.5 | | | | 63.4 | | 62.7 | 38 |
| 42 | | 55.9 | | 56.9 | 56.9 | | | | | 56.8 | 56.8 | | | 56.8 | | 56.2 | 42 |
| 46 | | 49.8 | | | 51.0 | | | | | 51.1 | 51.1 | | | 51.2 | 51.2 | 50.6 | 46 |
| 50 | | 44.5 | | | 45.8 | | | | | 45.9 | 45.9 | | | 46.2 | 46.2 | 45.7 | 50 |
| 54 | | | 39.8 | | 41.2 | | | | | 41.4 | | | | 41.8 | 41.8 | 41.4 | 54 |
| 58 | | | 35.6 | | | 36.3 | | | | 37.3 | | | | 37.8 | | 37.5 | 58 |
| 62 | | | 31.9 | | | 32.7 | | | | 33.7 | 31.0 | | | 34.3 | | 33.9 | 62 |
| 66 | | | | | | 29.6 | | | | 27.9 | | | | 31.0 | 27.0 | 30.7 | 66 |
| 70 | | | | | | | | | | | 25.2 | | | 24.4 | | 27.8 | 70 |
| 74 | | | | | | | | | | | 22.9 | | | 22.0 | | 20.4 | 74 |
| 78 | | | | | | | | | | | | | | 20.0 | | 18.3 | 78 |
| 82 | | | | | | | | | | | | | | | | 16.5 | 82 |
| 86 | | | | | | | | | | | | | | | | 15.0 | 86 |

| Operating radius (m) | 66 m Boom | | | | | | Operating radius (m) |
|----------------------|------------|------|------|------------|------|------|----------------------|
| | 66 m Jib | | | 72 m Jib | | | |
| | Boom Angle | | | Boom Angle | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | |
| 24 | 92.4 | | | | | | 24 |
| 26 | 86.7 | | | 73.6 | | | 26 |
| 28 | 81.6 | | | 69.2 | | | 28 |
| 30 | 77.0 | | | 65.1 | | | 30 |
| 34 | 69.0 | | | 58.1 | | | 34 |
| 38 | 62.3 | | | 52.2 | | | 38 |
| 42 | 56.9 | | | 47.2 | | | 42 |
| 46 | 52.4 | | | 42.9 | | | 46 |
| 50 | 48.5 | 48.5 | | 39.2 | 39.2 | | 50 |
| 54 | 44.2 | 44.2 | | 35.9 | 35.9 | | 54 |
| 58 | 40.8 | 40.8 | | 33.0 | 33.0 | | 58 |
| 62 | 37.5 | 37.5 | | 30.5 | 30.5 | | 62 |
| 66 | 34.6 | 34.6 | | 28.3 | 28.3 | | 66 |
| 70 | | 31.9 | 25.5 | 26.3 | 26.3 | | 70 |
| 74 | | 29.3 | 23.0 | | 24.5 | 22.0 | 74 |
| 78 | | 27.0 | 20.8 | | 22.9 | 19.7 | 78 |
| 82 | | | 18.8 | | 21.4 | 17.8 | 82 |
| 86 | | | 17.0 | | | 16.0 | 86 |
| 90 | | | | | | 14.4 | 90 |
| 94 | | | | | | 13.0 | 94 |

| Operating radius (m) | 72 m Boom | | | | | | Operating radius (m) |
|----------------------|------------|------|------|------------|------|------|----------------------|
| | 66 m Jib | | | 72 m Jib | | | |
| | Boom Angle | | | Boom Angle | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | |
| 26 | 81.7 | | | 74.0 | | | 26 |
| 28 | 81.7 | | | 69.5 | | | 28 |
| 30 | 77.3 | | | 65.4 | | | 30 |
| 34 | 69.2 | | | 58.3 | | | 34 |
| 38 | 62.3 | | | 52.4 | | | 38 |
| 42 | 55.8 | | | 47.3 | | | 42 |
| 46 | 50.3 | | | 43.0 | | | 46 |
| 50 | 45.5 | 45.5 | | 39.2 | | | 50 |
| 54 | 41.2 | 41.2 | | 35.9 | 35.9 | | 54 |
| 58 | 37.3 | 37.2 | | 33.0 | 33.0 | | 58 |
| 62 | 33.9 | 33.5 | | 30.5 | 30.5 | | 62 |
| 66 | 30.9 | 30.3 | | 28.2 | 28.2 | | 66 |
| 70 | | 27.5 | 21.9 | 26.3 | 26.3 | | 70 |
| 74 | | 24.9 | 19.6 | | 24.3 | 18.5 | 74 |
| 78 | | 22.7 | 17.5 | | 22.1 | 16.5 | 78 |
| 82 | | | 15.7 | | 20.1 | 14.6 | 82 |
| 86 | | | 14.1 | | | 13.0 | 86 |
| 90 | | | 12.6 | | | 11.5 | 90 |
| 94 | | | | | | 10.2 | 94 |

Luffing Jib Lifting Capacities

Luffing jib rated loads in metric tons for 360° working area
Luffing jib with 78 m boom/with standard counterweight + additional counterweight

Unit: metric ton

| Operating radius (m) | 78 m Boom | | | | | | | | | | | | | | | Operating radius (m) |
|----------------------|------------|------|------|------------|------|------|------------|------|-----|------------|------|-----|------------|------|-----|----------------------|
| | 36 m Jib | | | 42 m Jib | | | 48 m Jib | | | 54 m Jib | | | 60 m Jib | | | |
| | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | Boom Angle | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | 88° | 78° | 68° | |
| 16 | 112.1 | | | | | | | | | | | | | | | 16 |
| 18 | 102.6 | | | 101.9 | | | | | | | | | | | | 18 |
| 20 | 94.0 | | | 93.7 | | | 92.6 | | | | | | | | | 20 |
| 22 | 86.5 | | | 86.3 | | | 85.6 | | | 84.8 | | | | | | 22 |
| 24 | 79.9 | | | 79.9 | | | 79.3 | | | 78.8 | | | 77.8 | | | 24 |
| 26 | 74.1 | | | 74.1 | | | 73.6 | | | 73.2 | | | 72.3 | | | 26 |
| 28 | 68.9 | | | 69.0 | | | 68.6 | | | 68.1 | | | 67.4 | | | 28 |
| 30 | 64.1 | | | 64.4 | | | 64.1 | | | 63.6 | | | 63.0 | | | 30 |
| 34 | 55.9 | | | 56.4 | | | 56.3 | | | 55.9 | | | 55.3 | | | 34 |
| 38 | 48.9 | 48.9 | | 49.7 | 49.7 | | 49.7 | | | 49.4 | | | 49.0 | | | 38 |
| 42 | 43.0 | 43.0 | | 43.9 | 43.9 | | 44.2 | 44.2 | | 43.9 | | | 43.6 | | | 42 |
| 46 | 37.8 | | | 38.9 | 38.9 | | 39.3 | 39.3 | | 39.2 | 39.2 | | 38.9 | | | 46 |
| 50 | 33.3 | | | 34.5 | 34.5 | | 35.0 | 35.0 | | 35.1 | 35.1 | | 34.9 | 34.9 | | 50 |
| 54 | | | 29.4 | 30.6 | | | 31.1 | | | 31.4 | 31.4 | | 31.3 | 31.3 | | 54 |
| 58 | | | 25.9 | 27.2 | 27.2 | | 27.6 | | | 28.1 | | | 28.1 | 28.1 | | 58 |
| 62 | | | 22.7 | | 24.1 | 24.1 | 24.5 | 24.5 | | 25.1 | | | 25.2 | | | 62 |
| 66 | | | | | 21.4 | 21.4 | 21.6 | 21.6 | | 22.4 | 21.3 | | 22.5 | | | 66 |
| 70 | | | | | 18.9 | 18.9 | 19.0 | 19.0 | | 18.8 | 18.8 | | 20.1 | 18.1 | | 70 |
| 74 | | | | | | | 16.6 | 16.6 | | 16.6 | 16.6 | | 17.9 | 15.9 | | 74 |
| 78 | | | | | | | | | | 14.7 | 14.7 | | 14.0 | 14.0 | | 78 |
| 82 | | | | | | | | | | 13.0 | 13.0 | | 12.3 | 12.3 | | 82 |
| 86 | | | | | | | | | | | | | 10.8 | 10.8 | | 86 |

| Boom | 78 m Boom | | | | | | Boom |
|------|------------|------|-----|------------|------|-----|------|
| | 66 m Jib | | | 72 m Jib | | | |
| | Boom Angle | | | Boom Angle | | | |
| | 88° | 78° | 68° | 88° | 78° | 68° | |
| 26 | 71.7 | | | | | | 26 |
| 28 | 66.8 | | | 65.7 | | | 28 |
| 30 | 62.4 | | | 61.5 | | | 30 |
| 34 | 54.7 | | | 54.0 | | | 34 |
| 38 | 48.4 | | | 47.7 | | | 38 |
| 42 | 43.0 | | | 42.5 | | | 42 |
| 46 | 38.4 | | | 37.9 | | | 46 |
| 50 | 34.4 | 34.4 | | 34.0 | | | 50 |
| 54 | 30.9 | 30.9 | | 30.6 | 30.5 | | 54 |
| 58 | 27.8 | 27.6 | | 27.5 | 27.0 | | 58 |
| 62 | 25.0 | 24.5 | | 24.8 | 24.0 | | 62 |
| 66 | 22.4 | 21.9 | | 22.3 | 21.3 | | 66 |
| 70 | | 19.5 | | 20.0 | 19.0 | | 70 |
| 74 | | 17.4 | | | 16.9 | | 74 |
| 78 | | 15.5 | | | 15.0 | | 78 |
| 82 | | | | | 13.3 | | 82 |
| 86 | | | | | 11.7 | | 86 |

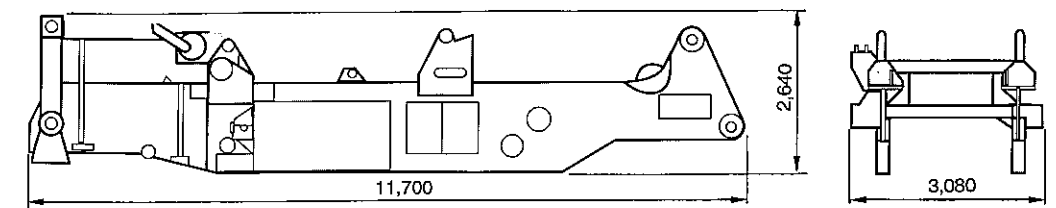
Weight and Measurement for Transportation

7650

■ Base Machine

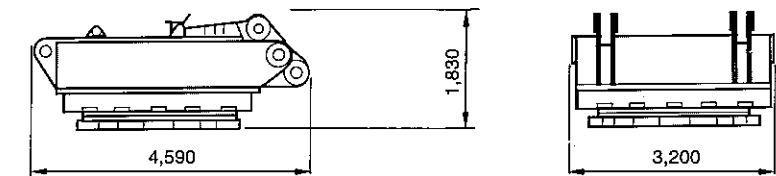
● Upper Frame

Weight: 33.8 ton x 1



● Center Frame

Weight: 26.5 ton x 1



● Winch

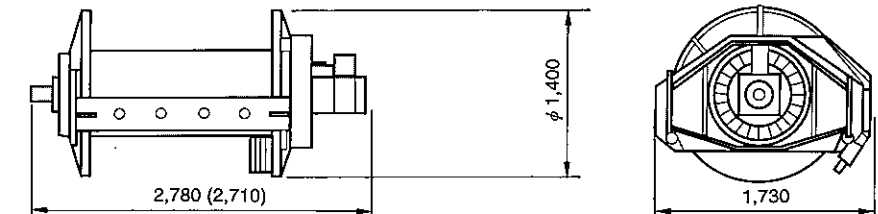
Dimension: 2,780 x 1,730 x φ 1,400

Weight: 9.6 ton x 2

● No. 2 Hoisting Winch

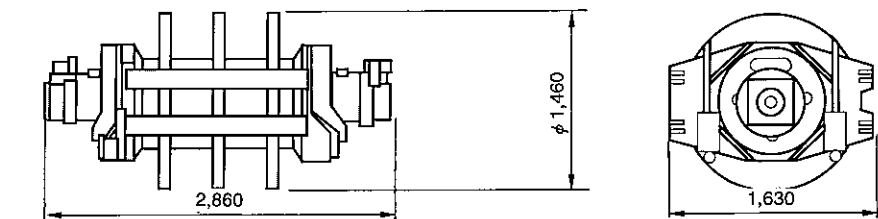
Dimension: 2,710 x 1,730 x φ 1,400

Weight: 8.2 ton x 1



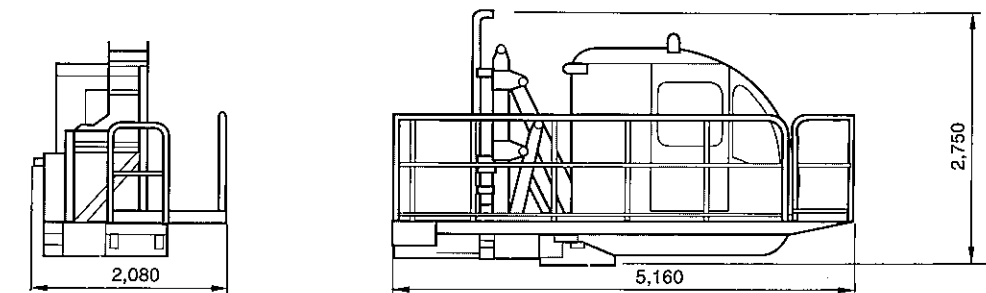
● No. 1 Hoisting Winch

Weight: 10.8 ton x 1



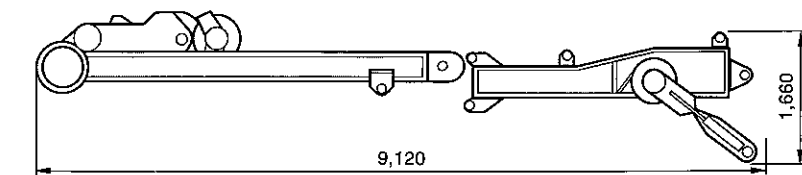
● Cab

Weight: 3.0 ton x 1



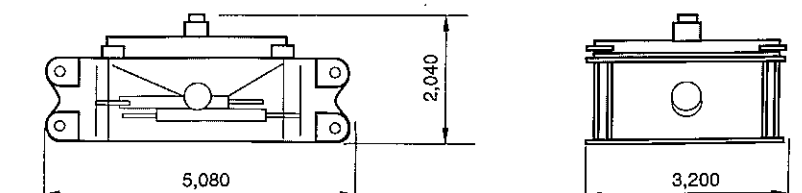
● Gantry Spreader

Weight: 21.2 ton x 1



● Carbody

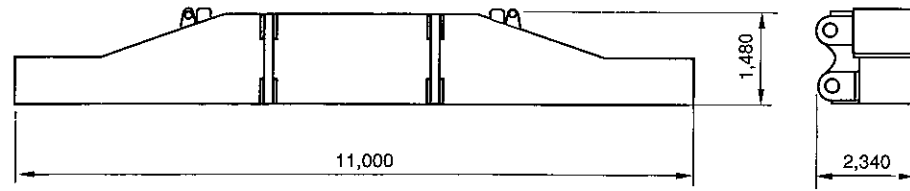
Weight: 27.7 ton x 1



REMARKS: The above procedure is based on the purchase of the optional items as mentioned. These optional items are recommended to purchase for shortening the disassembling time to transport.

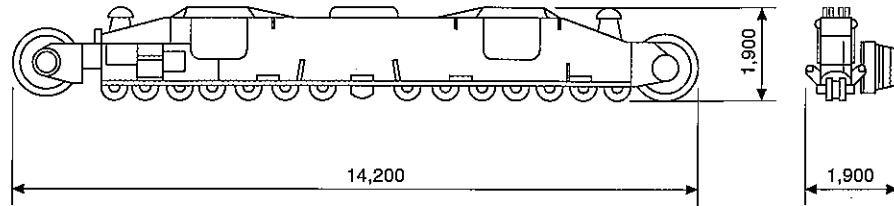
●Axles

Weight: 21.1 ton x 2



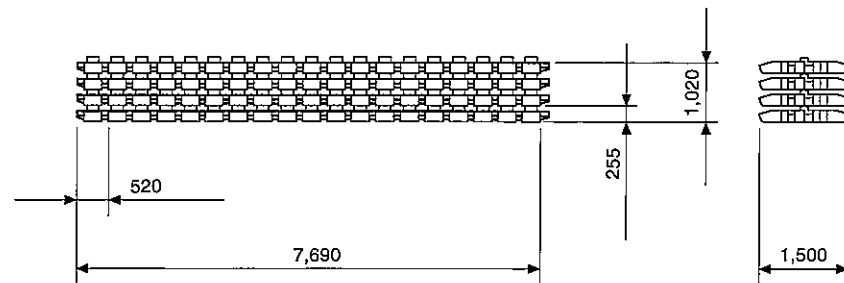
●Crawler Frame

Dimnsion: 1,900 x 14,200 x 1,900
Weight: 39.8 ton x 2



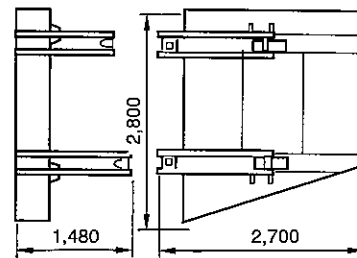
●Crawler Shoes

Weight: 23.5 ton x 2



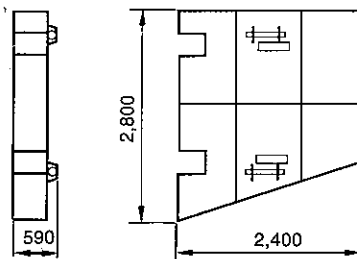
●Counterweight (Base)

Weight: 14.0 ton x 2



●Counterweight No.1

Weight: 14.0 ton x 2



●Counterweight No.2

Weight: 14.0 ton x 2

●Counterweight No.3

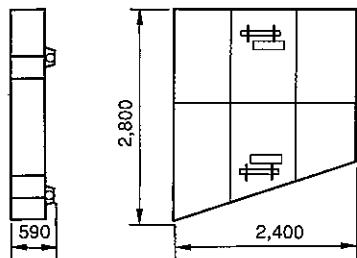
Dimnsion: 2,800 x 590 x 2,400

Weight: 14.0 ton x 4

●Additional Counterweight

Dimnsion: 2,800 x 590 x 2,400

Weight: 14.0 ton x 6



Attachment

| Description | Width x Height x Length | Weight | Remarks |
|--------------------|-------------------------|--------|-----------------------------|
| Hook | | | |
| 650-ton hook* | 1,630 x 1,450 x 4,790 | 12.0 | |
| 400-ton hook | 1,270 x 970 x 4,330 | 9.1 | Including aux. sheave frame |
| 230-ton hook | 1,280 x 1,240 x 2,840 | 7.9 | |
| 100-ton hook | 750 x 1,080 x 2,380 | 4.3 | |
| 50-ton hook | 570 x 1,080 x 2,120 | 2.3 | |
| 16.5-ton ball hook | 1,430 x ϕ 480 | 0.8 | |

Boom, Jib, and Aux. Sheave

| | | | |
|---------------------------------------|------------------------|------|---|
| Standard upper boom | 2,920 x 3,540 x 3,210 | 7.5 | Including point sheave, idler sheave, step, and link |
| Heavy-duty upper boom | 2,920 x 3,540 x 3,210 | 9.0 | Including point sheave, idler sheave, step, and link |
| 10.5 m standard tapered insert boom | 3,130 x 2,450 x 10,750 | 7.0 | Including step, hand rail, sling, and equalizing drum |
| 10.5 m heavy-duty tapered insert boom | 3,130 x 2,450 x 10,750 | 8.0 | Including step, hand rail, sling, and equalizing drum |
| Lower boom | 3,190 x 2,610 x 12,370 | 12.5 | Including step, hand rail, sling, and cable reel |
| 6.0 m insert boom | 3,170 x 2,600 x 6,250 | 3.5 | Including step, hand rail, and sling |
| 12.0 m insert boom | 3,220 x 2,600 x 12,250 | 6.0 | Including step, hand rail, and sling |

Luffing Jib

| | | | |
|--------------------------|------------------------|-----|---|
| Upper jib | 2,490 x 1,980 x 9,790 | 5.5 | Including point sheave, idler sheave, step, sling, and link |
| Lower jib | 3,120 x 1,860 x 9,250 | 4.0 | Including point sheave, idler sheave, step, sling, and link |
| 6.0 m insert jib | 2,530 x 2,020 x 6,140 | 1.5 | Including step, hand rail, and sling |
| 12.0 m insert jib | 2,530 x 2,020 x 12,140 | 2.7 | Including step, hand rail, and sling |
| Auxiliary sheave | 760 x 1,040 x 2,070 | 0.5 | Including point sheave |
| Auxiliary sheave for jib | 1,080 x 1,020 x 1,380 | 0.6 | Including point sheave |

Mast, Strut, and Backstops

| | | | |
|-------------------|-----------------------|-----|---|
| Upper mast | 2,660 x 890 x 3,500 | 8.0 | Including sheave and link |
| Lower mast | 2,510 x 700 x 11,770 | 3.0 | Including mast foot-pin assembling/disassembling device |
| Front upper strut | 1,940 x 1,200 x 7,610 | 3.2 | Including point sheave, link |
| Front lower strut | 1,830 x 1,130 x 6,360 | 1.5 | Including idler sheave |
| Rear upper strut | 1,940 x 2,420 x 7,610 | 4.1 | Including point sheave, idler sheave and link |
| Rear lower strut | 1,830 x 1,280 x 5,210 | 1.3 | Including idler sheave |
| Boom backstop | 470 x 15,250 | 2.3 | |
| Jib backstop | 220 x 3,990 | 0.2 | |
| Strut backstop | 270 x 5,610 | 0.5 | |
| Inner support | 3,400 x 2,370 x 2,100 | 1.4 | |

KOBELCO 7650

NOTE: Due to our policy of continual product improvement, all design and specifications are subject to change without advance notice. Data herein is informational in nature and shall not be construed 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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