### Lifting Capacity

**Note**

- Rated loads do not exceed 90% of the tipping load with the machine set horizontally on a firm and even ground surface. The specified stability and ground-bearing capacity are based on the machine’s structural strength and overall stability as determined by the machine’s stability calculations.

- Rated loads shown are based on weight or counterweight and make no allowance for such factors as wind effect, soil ground conditions, and the like. Operating speeds or any other conditions that could detrimentally affect the stability should, therefore, be the responsibility to judge the existing conditions and reduce the loads and operating speeds accordingly.

- Operating radius is the horizontal distance from centre line to a vertical line through the center of gravity of the load. Operating radius given in the charts above is for rated loads and does not reduce the loads and operating speeds accordingly.

- With counterweight, the counterweight must be fully extended.

- The ratings of the auxiliary sheave are the same as the main boom ratings, but the auxiliary sheave ratings shall not exceed 11,800 kg. Ratings of the auxiliary sheave ratings shall not exceed 11,800 kg. The maximum additional load is 27.8 ton counterweight.

- The main boom ratings shall be applied to the second drum ratings, but the slings shall not exceed 11,800 kg.

- To determine load ratings that fall between those shown in the charts, proceed as follows:
  1. For boom lengths not listed use rating for next longer boom length.
  2. For load radii not shown, use rating for next larger radius.

#### Table: With 17.2 ton counterweight (optional setting) (Unit: metric ton)

<table>
<thead>
<tr>
<th>Boom Length (m)</th>
<th>9.99</th>
<th>14.7</th>
<th>20.0</th>
<th>25.6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Load (t)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Min. Load (t)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Table: With 8.2 ton counterweight (optional setting) (Unit: metric ton)

<table>
<thead>
<tr>
<th>Boom Length (m)</th>
<th>9.99</th>
<th>14.7</th>
<th>20.0</th>
<th>25.6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Load (t)</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Min. Load (t)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Working Ranges (Unit: m)

- The working ranges shown are determined by the strength of the boom or other structural components.
Note: 11-ton light swivel ball hook is optional.

The ratings of the auxiliary sheave are the same as the main boom ratings, but the booms shown are based on freely suspended loads and make no allowance to the main boom's structural strength, and other factors influenced by the machine's stability.

Rated loads shown are based on the machine's structural strength, and other factors influenced by the machine's stability.

Rated loads shown are determined by the strength of the boom or other structural components.

Ratings shown in are determined by the strength of the boom or other structural components.

To determine load ratings that fall between those shown in the charts, use the next higher radius.
LIFTING CAPACITY

Note

1. Rated loads do not exceed 99% of the tipping weight of the machine set on weight and sized gears, safety, and the specified stability over the hoist, and exclude weight of track block (s) and other handling accessories.

2. Long boom ratings are based on the machine's structural strength, and are further reduced by the machine's stability.

3. Rated loads shown are based on the machine's structural strength and make no allowance for such factors as wind effect on load, ground conditions, or other conditions that could affect stability. The operator must therefore use the responsibility to judge the stability, and ensure that the loads and operating speeds are not exceed 78% of the tipping weights with machine set out-of-level. Operating speeds or any other condition that could allow for such factors as wind effect on lift, ground conditions, or other conditions that could affect stability. The operator must therefore use the responsibility to judge the stability, and ensure that the loads and operating speeds are not exceed 78% of the tipping weight.

4. Operating radius is the horizontal distance from point of origin to a vertical line through the center of gravity of the load. Operating radius given in the charts allow for loaded boom deflection and reduce lifted loads and operating speeds accordingly.

5. With counterweights, the following list shows how counterweights shall be used:

   - Using a counterweight of 8.2 tons shall be used to reduce lifted loads and operating speeds accordingly.
   - Using a counterweight of 11 tons shall be used to reduce lifted loads and operating speeds accordingly.
   - Using a counterweight of 11 tons shall be used to reduce lifted loads and operating speeds accordingly.
   - Using a counterweight of 11 tons shall be used to reduce lifted loads and operating speeds accordingly.

6. The main boom ratings shall be applied to the third drain ratings, but the all ratings shall not exceed 78% of the tipping loads with machine set out.

7. Operating speed for the main boom shall not exceed 78% of the tipping loads with machine set out.

8. Rated single-line pull must not exceed 11,000kg.

9. In order to prevent a load from falling down to mistake of operation, do not use foreign operators.

With 17.2 ton counterweight

<table>
<thead>
<tr>
<th>Boom Length (m)</th>
<th>9.99</th>
<th>16.7</th>
<th>23.4</th>
<th>30.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Load (t)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Boom Angle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Min. Boom Angle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

With 8.2 ton counterweight (optional setting)

<table>
<thead>
<tr>
<th>Max. Boom Angle</th>
<th>14.4</th>
<th>14.0</th>
<th>13.0</th>
<th>12.0</th>
<th>11.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. Boom Angle</td>
<td>5.5</td>
<td>5.0</td>
<td>4.5</td>
<td>4.0</td>
<td>3.5</td>
</tr>
</tbody>
</table>

Without counterweight (optional setting)

<table>
<thead>
<tr>
<th>Max. Boom Angle</th>
<th>14.4</th>
<th>14.0</th>
<th>13.0</th>
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</tbody>
</table>

Working Ranges (Unit: m)

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<tr>
<td>Min. Boom Angle</td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

Note: All ratings shown in the charts are determined by the strength of the boom or other structural components.

Distance from center of rotation (m) (Operating radius)

Rating shown: 1 are sole-recovered by the strength of the boom or other structural components.
GENERAL DIMENSIONS (Unit : mm)

OPTIONAL EQUIPMENT

STANDARD EQUIPMENT

TELESCOPIC CRAWLER CRANE

Max. Lifting Capacity : 75t × 3.0m

Model TK750
GENERAL DIMENSIONS (Unit : mm)

[Diagram]

STANDARD EQUIPMENT

[Table]

OPTIONAL EQUIPMENT

[Table]

KOBELCO CRANES CO., LTD.

Tel: +81-3-5789-2130
Fax: +81-3-5789-3372

17-1, Higashigotanda 2-chome, Shinagawa-ku, Tokyo 141-8626 JAPAN

Bulletin No. TK750FS-SPEC-1

TELESCOPIC CRAWLER CRANE

Model TK750

Max. Lifting Capacity : 75t × 3.0m

Con comply with Japanese Construction Codes for Mobile Cranes.