CARGO CRANE
ZR800 series
ZR805 / 804 / 803

TADANO New ZR800 Series, a typical model of the ZR series, has an enhanced lifting capacity of 8,200kg.

ZR800 series is equipped with hydraulic power slide outriggers of Max extension 4.3m.
# ZR800 series

## RATED LIFTING CAPACITIES

<table>
<thead>
<tr>
<th>TM-ZR800</th>
<th>4.0t boom</th>
<th>5.0t boom</th>
<th>6.0t boom</th>
<th>7.0t boom</th>
<th>8.0t boom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load Radius (m)</td>
<td>2.425</td>
<td>2.9</td>
<td>3.5</td>
<td>4.0</td>
<td>4.5</td>
</tr>
<tr>
<td>Rated Lifting Capacity (kg)</td>
<td>2,000</td>
<td>3,000</td>
<td>4,000</td>
<td>5,000</td>
<td>6,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TM-ZR804</th>
<th>4.0t boom</th>
<th>5.0t boom</th>
<th>6.0t boom</th>
<th>7.0t boom</th>
<th>8.0t boom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load Radius (m)</td>
<td>2.425</td>
<td>2.9</td>
<td>3.5</td>
<td>4.0</td>
<td>4.5</td>
</tr>
<tr>
<td>Rated Lifting Capacity (kg)</td>
<td>2,000</td>
<td>3,000</td>
<td>4,000</td>
<td>5,000</td>
<td>6,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TM-ZR805</th>
<th>4.0t boom</th>
<th>5.0t boom</th>
<th>6.0t boom</th>
<th>7.0t boom</th>
<th>8.0t boom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load Radius (m)</td>
<td>2.425</td>
<td>2.9</td>
<td>3.5</td>
<td>4.0</td>
<td>4.5</td>
</tr>
<tr>
<td>Rated Lifting Capacity (kg)</td>
<td>2,000</td>
<td>3,000</td>
<td>4,000</td>
<td>5,000</td>
<td>6,000</td>
</tr>
</tbody>
</table>

## TECHNICAL SPECIFICATIONS

### MODEL
- ZR803
- ZR804
- ZR805

### CRANE CAPACITY
- 8,200 kg at 1.8 m
- (6-part lines)

### BOOM
- Fully hydraulic telescoping boom of pin type construction
- Fully powered partly synchronized telescoping boom of pin type construction
- Fully powered partly synchronized telescoping boom in pin box construction

### Sections
- Length: 4.20m - 9.60m
- 4.31m - 12.91m
- 4.31m - 15.92m

### Extending Speed
- 5.30m / 18s
- 8.60m / 25s
- 11.52m / 32s

### Elevation Range/Speed
- 1° to 82° / 14s
- 4° to 82° / 14s
- 5° to 82° / 14s

### Max. Hook Height
- Approx. 11.3 m
- Approx. 14.5 m
- Approx. 17.5 m

### Max. Load Radius
- 9.25 m
- 12.66 m
- 15.67 m

### WINCH
- Hydraulic motor driven, spur gear speed reduction, provided with automatic brake and cable follower

### Max. Single Line Pull
- 13.48kN (1.367 kip)

### Max. Single Line Speed
- 60m/min (at 4th layer)

### Wire Rope Diameter (m / mm)
- 10mm x 7+1mm
- 10mm x 8.0mm
- 10mm x 9.5mm

### SWING
- Hydraulic motor driven, worm gear speed reduction
- Continuous 360° full circle swing on ball bearing slew ring
- Automatic swing locks

### Speed
- 2.5 min (rpm)

### OUTRIGGERS
- Hydraulically extended sliders and hydraulically extended jack Integral with crane frame.
- Power up and down

### Extended Width
- Max: 4.3 m Mid: 3.3 m Min: 2.25 m

### HYDRAULIC SYSTEM
- Pump: Single gear pump
- Control Valves: Multiple control valves with integral safety valve

### STANDARD SAFETY EQUIPMENT
- Holding limiter
- PTO indicator lamp
- Hook safety latch
- Level gauge
- Hydraulic safety valves, check valves and holding valves

### SUITABLE TRUCKS
- Gross vehicle mass: 29,000 to 25,000 kg

---

**NOTES:**
1. The mass of the hook (86 kg) and all other equipment shall be added to the mass of the crane.
2. The load-carrying capacity values are based on the crane's maximum load capacity given in the above tables, depending on the loading conditions and the type of the chassis.

---

**http://www.tadano.co.jp/indexe.htm**  
E-mail: tdnhq@tadano.co.jp

---

**TADANO LTD.**  
International Headquarters  
4-12, Kamezawa 2-chome, Sunida-ku  
Tokyo 130-8044, Japan  
Tel: 81-3-3201-7732 Fax: 81-3-3201-7735

**ZFR800-2001-66-0300-1**  
Printed in Japan