Shuttlelift CD3300 Series
Product Guide

Features

• CD3330F: 7,7 t (8.5 USt) three-section boom with 7,6 m (25 ft 2 in) tip height

• CD3330FL: 7,7 t (8.5 USt) three-section boom with 10,2 m (33 ft 6 in) tip height

• CD3339: 8,1 t (9 USt) three-section boom with 11,6 m (38 ft 2 in) tip height

• CD3340B: 9,5 t (10.5 USt) three-section boom with 11,6 m (38 ft 2 in) tip height

• 1,8 m (6 ft) fixed extension (CD3330F/CD3330FL) and 3,6 m (12 ft) offsettable swingaway extension (CD3339 and CD3340B)

• 63,4 kW (85 bhp) Cummins diesel engine or 59,6 kW (80 bhp) GM EFI dual fuel engine
**Features**

**Boom**
*Standard:* 6,4 m (21 ft) main boom on the CD3330F.
9,1 m (30 ft) main boom on the CD3330FL.
10,0 m (32 ft 10 in) main boom on the CD3339 and CD3340B.
*Optional:* Manual fourth main boom section adds 3,0 m (10 ft) additional main boom length on CD3330F and CD3330FL only.

**Pivoting boom nose**
*Standard on the CD3339 and CD3340B* the exclusive pivoting boom nose allows operators to decrease the overall boom head depth and operate in more confined areas.

**Steering**
*Standard:* four-wheel coordinated steer
*Standard:* two-wheel, four-wheel, and crab steer with self alignment (CD3340B)
*Optional:* two-wheel, four-wheel, and crab steer (standard on CD3339)

**Cab**
*Standard:* Open air cab shell with overhead safety glass.
*Optional:* Closed cab with split hinged door, heater/defroster, and all window glass.

**Engine**
*Standard:* Cummins QSB 3.3 L turbo-charged diesel rated at 63,4 kW (85 bhp) at 2600 rpm.
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<th>Page</th>
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<tr>
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<td>10</td>
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<tr>
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</tr>
<tr>
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<td>18</td>
</tr>
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</tr>
</tbody>
</table>
Specifications

Superstructure

Boom

CD3330F: 2.9 m – 6.5 m (9 ft 8 in – 21 ft 2 in) three-section full power boom.
Maximum tip height: 7.6 m (25 ft 2 in)
CD3330FL: 3.8 m – 9.2 m (12 ft 8 in – 30 ft 2 in) three-section full power boom.
Maximum tip height: 10.2 m (33 ft 6 in)
CD3339 and CD3340B: 4.2 m – 10.0 m (13 ft 10 in – 32 ft 10 in) three-section full power boom.
Maximum tip height: 11.6 m (38 ft 2 in)

*Optional boom

CD3330F and CD3330FL: Manual fourth main boom fly section adds 3.0 m (10 ft) additional boom length.

*Boom extension

CD3330F and CD3330FL: 1.8 m (6 ft) fixed pin on extension
CD3339 and CD3340B: 3.6 m (12 ft) offsettable extension.
3.6 m - 5.4 m (12 ft - 18 ft) telescopic offsettable extension

Boom nose

CD3330F and CD3330FL: Single sheave non-pivoting
CD3339 and CD3340B: Single sheave, three-position (0°, + 30°, + 80°) pivoting boom nose for minimizing head space requirements. Lowers head height. 0.26 m (10.5 in) when nose is pivoted fully forward.

Boom elevation

Single double acting hydraulic cylinder with integral holding valve.
Elevation: 0° to 60° for the CD3330F / FL.
0° to 72° for the CD3339 and CD3340B

Anti-two block device

Standard anti-two block device, when activated, provides an audible warning to the crane operator and disengages all crane functions whose movement can cause two-blocking.

Load indicator (Wireless LSI)

A simple, effective, and easy to use load indicating system used in conjunction with the anti-two block system to assist the operator in efficient operation of the unit within the limits of the load chart. The display panel displays the hook load and warns the operator when a preset load capacity is exceeded. The warning is by a flashing light on the display panel. In conjunction with the load display panel (receiver), there is a wireless transmitter and load sensing pin attached to the boom head that transmits the hook load to the display panel.

*Load Moment Indicator (Hardwired LMI)

Digital display of boom angle, boom length, boom radius, capacity, and allows for operator input to set the limits based on load chart. Displays color coded light bar and audible alarm with function cutout if load exceeds entered parameters.

Swing

Ball bearing swing circle with 360° continuous rotation. Hydraulic driven worm gear and pinion.
Maximum speed: 2.05 rpm

Hydraulic system

CD3330F / FL: (2) gear pumps
CD3339 and CD3340B: Variable displacement piston pump and piggyback gear pump.
Combined flow: 107.9 Lpm (28.5 gpm)
Maximum system operating pressure: 3600 psi
CD3330F / FL: Six section valve bank mounted in dash panel with direct mechanical linkage for low effort lever control.
CD3339 and CD3340B: Six section valve bank chassis mounted; operated via dash mounted, pilot pressure hydraulic joysticks.
Return line filter with full flow by-pass protection and service indicator.
89 L (23.5 gal) hydraulic reservoir with sight level gauge and steel side plating to guard against side impact damage.

*Denotes optional equipment
### Specifications

#### Hoist specifications

**CD3330F / FL**: Worm drive with counter-balance valving. Equal speed power up and down.

**CD3339 and CD3340B**: Piston motor drive with spring applied/hydraulic released brake.

Drum diameter:
- **CD3330F / FL**: 0.24 m (9.69 in)
- **CD3339 and CD3340B**: 0.27 m (10.63 in)

Maximum single line pull:
- **CD3330F / FL**: 4854 kg (10,700 lb)
- **CD3339 and CD3340B**: 6350 kg (14,000 lb)

Maximum single line speed:
- **CD3330F / FL**: 26.8 m/min (88 fpm)
- **CD3339 and CD3340B**: 36.6 m/min (120 fpm)

Maximum permissible single line pull:
- **CD3330F / FL**: 3855 kg (8,500 lb)
- **CD3339 and CD3340B**: 4536 kg (10,000 lb)

Rope length:
- **CD3330F / FL**: (three-section boom): 29.6 m (97 ft)
  (four-section boom): 39.6 m (130 ft)
- **CD3339 and CD3340B**: 36.6 m (120 ft)

#### Frame

High strength alloy steel constructed with integral outrigger housings; front and rear lifting, towing, and tie-down lugs. 38 ft² carrydeck size with 6350 kg (14,000 lb) carrying capacity (**CD3330F**, **CD3330FL** and **CD3339**) and 7711 kg (17,000 lb) carrying capacity (**CD3340B**). Deck coated with anti-skid treatment.

#### Outriggers

**CD3330F**, **CD3330FL** and **CD3339**: Front and rear oblique type beams at all four corners with integral holding valves. Outrigger pads form an integral part of the beam.

**CD3340B**: Hydraulic telescoping beam with oblique type jack provides extended and down and retracted and down lifting capacities. Integral holding valves on both beam and jack.

Padsize CD3300 Series:
- 18 cm x 20 cm (7.4 in x 7.8 in)

Maximum outrigger pad load:
- **CD3300F/FL**: 122 psi
- **CD3339**: 135 psi
- **CD3340B**: 387 psi

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*Denotes optional equipment*
Specifications

**Fuel tank capacity**
70 L (18.5 gallon) all steel construction with steel side plate to guard against side impact.

**Electrical system**
One 12V maintenance free battery, 820CCA at 0°. Jump start connections.
95 amp alternator.

**Drive**
4 x 2 – Front axle drive with planetary hubs and limited slip differential.

**Steer**
CD3330F / FL: two-wheel, four-wheel steer
CD3339: two-wheel, four-wheel with crab steer
CD3340B: two-wheel, four-wheel, and crab steer with electronic self alignment.

**Transmission**
CD3330F, CD3330FL, CD3339: Synchromesh -four- speeds forward and reverse with stalk mounted forward/reverse selector.
CD3340B: Powershift -four- gears forward and four-gears in reverse. Stalk mounted shifter on left side of steering column.

**Axles**
Front: Carraro planetary drive/steer with internal multi-wet-disc brakes and limited slip differential.
Rear: Fabricated non-drive steer with disc brakes

**Tires**
10.00 x 15 pneumatic

**Brakes**
Hydraulic actuated internal wet-disc service brakes acting on all four wheels. A dash mounted toggle switch activates the dry disc parking brake on the transmission output yoke with a dash warning light.

**Suspension**
Front: Rigid mounted to frame.
Rear: Rigid mounted to frame.

**Lights**
Recessed mounted, includes head, tail, rear work, stop, and turn signals.

**Maximum speed**
35.6 km/h (22 mph)

**Gradeability (theoretical)**
CD3330F, CD3330FL, CD3339: 57%....no load
31%.... 5443 kg (12,000 lb) load
CD3340B: 68%....no load
40%.... 9072 kg (20,000 lb) load

**Gross vehicle weight (G.V.W.)**
CD3330F: 6849 kg (15,100 lb)
CD3330FL: 7512 kg (16,560 lb)
CD3339: 7734 kg (17,050 lb)
CD3340B: 7947 kg (17,520 lb)
*All weights with enclosed cab

**Miscellaneous standard equipment**
Single sheave, “Quick Reeve” style hookblock;:
CD3330F and CD3330FL: 8.0 t (8.5 USt)
CD3339: 8.1 t (9USt)
CD3340B: 10 t (10.5 USt)
Back-up alarm

*Denotes optional equipment
Turning radius

The individual crane’s load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two-wheel steer</td>
<td>4496 mm (14 ft 9 in)</td>
<td>4737 mm (15 ft 6.5 in)</td>
<td>4636 mm (15 ft 2.5 in)</td>
<td>2718 mm (8 ft 11 in)</td>
<td>5525 mm (18 ft 1.5 in)</td>
</tr>
<tr>
<td>Four-wheel steer</td>
<td>3048 mm (10 ft 0 in)</td>
<td>3645 mm (11 ft 9.5 in)</td>
<td>3188 mm (10 ft 5.5 in)</td>
<td>1473 mm (4 ft 10 in)</td>
<td>3569 mm (11 ft 8.5 in)</td>
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</table>
CD3300F

Operating radius in feet from axis of rotation

Boom and extension length in feet

Height from the ground in feet
**NOTES:**

JIB CAPACITY IS LIMITED BY BOTH STRUCTURAL CAPACITY CHART AND MAIN CAPACITY CHART.

SHARED AREAS ARE GOVERNED BY STRUCTURAL STRENGTH, DO NOT RELY ON TIPPING.

OPERATION OF THIS EQUIPMENT IN EXCESS OF RATING CHARTS AND DISREGARD OF INSTRUCTIONS IS DANGEROUS AND VOIDS WARRANTY.

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### Load chart

<table>
<thead>
<tr>
<th>RADIUS (ft)</th>
<th>4-SECTION BOOM WITH 4TH EXTENDED</th>
<th>3-SECTION BOOM OR 4-SECTION BOOM WITH 4TH RETRACTED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ON OUTRIGGERS (lb)</td>
<td>ON RUBBER (lb)</td>
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<tr>
<td>5.0</td>
<td>6100</td>
<td>6100</td>
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<tr>
<td>18.0</td>
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**MAIN BOOM ANGLE (deg)**

<table>
<thead>
<tr>
<th>MAIN BOOM ANGLE</th>
<th>3-SECTION BOOM OR 4-SECTION BOOM WITH 4TH RETRACTED</th>
<th>4-SECTION BOOM WITH 4TH EXTENDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>3500</td>
<td>3500</td>
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<tr>
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<td>3325</td>
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<tr>
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<td>3150</td>
<td>3150</td>
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<tr>
<td>10</td>
<td>2325</td>
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<tr>
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<td>2200</td>
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</table>

**JIB STRUCTURAL CAPACITIES (lb)**

<table>
<thead>
<tr>
<th>JIB</th>
<th>3-SECTION BOOM OR 4-SECTION BOOM WITH 4TH RETRACTED</th>
<th>4-SECTION BOOM WITH 4TH EXTENDED</th>
</tr>
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<tbody>
<tr>
<td>N/A</td>
<td>3500</td>
<td>3500</td>
</tr>
<tr>
<td>N/A</td>
<td>3325</td>
<td>3325</td>
</tr>
<tr>
<td>N/A</td>
<td>3150</td>
<td>3150</td>
</tr>
<tr>
<td>N/A</td>
<td>3000</td>
<td>3000</td>
</tr>
<tr>
<td>N/A</td>
<td>2875</td>
<td>2875</td>
</tr>
<tr>
<td>N/A</td>
<td>2800</td>
<td>2800</td>
</tr>
<tr>
<td>N/A</td>
<td>2700</td>
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<td>2600</td>
<td>2600</td>
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<tr>
<td>N/A</td>
<td>2500</td>
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</tr>
<tr>
<td>N/A</td>
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<td>2400</td>
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<tr>
<td>N/A</td>
<td>2325</td>
<td>2325</td>
</tr>
<tr>
<td>N/A</td>
<td>2250</td>
<td>2250</td>
</tr>
<tr>
<td>N/A</td>
<td>2200</td>
<td>2200</td>
</tr>
</tbody>
</table>

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1) The rated loads are the maximum lift capacities as determined by operating radius, boom extension and boom angle. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.

2) The rated loads shown on outriggers do not exceed 85% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform supporting surface. Practical working loads depend on supporting surface, operating radius and other factors affecting stability. Hazardous surroundings, climatic conditions, experience of personnel and proper training must all be taken into account by the operator.

3) The weights of all load handling devices such as hooks, hookblocks, slings, etc., except the hoist rope, shall be considered part of the load. See reduction chart.

4) Ratings on outriggers are for either outriggers fully extended and down or fully retracted and down. Ratings for outriggers fully retracted and down will apply for any intermediate outrigger setting.

5) Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (100 psi). Loads on rubber may be transported at a maximum speed of 2.5 mph on a smooth, hard, level surface with boom retracted to the shortest length possible and centered over front.

6) For operating radius not shown, use load rating of next larger radius.

7) The maximum combined total boom and deck load is 12,000 lb. The maximum deck load only is 14,000 lb.

8) Do not induce any external side loads to boom or jib.

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**REDUCTION CHART**

<table>
<thead>
<tr>
<th>FROM MAIN BOOM RATINGS</th>
<th>FROM JIB RATINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAIN BLOCK</td>
<td>140 lb</td>
</tr>
<tr>
<td>HOOK &amp; BALL</td>
<td>100 lb</td>
</tr>
<tr>
<td>JIB, STOWED</td>
<td>0 lb</td>
</tr>
<tr>
<td>JIB, DEPLOYED</td>
<td>150 lb</td>
</tr>
</tbody>
</table>

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**RIGGING CHART**

- 1-PART: 0-8,000 lb
- 2-PART: 0-17,000 lb

WIRE ROPE: 1/2 inch diameter
Min. breaking strength 29,750 lb
Dimensions

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.
Turning radius

CD330FL

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two-wheel steer</td>
<td>5131 mm</td>
<td>4737 mm</td>
<td>4636 mm</td>
<td>2718 mm</td>
</tr>
<tr>
<td></td>
<td>(16 ft 10 in)</td>
<td>(15 ft 6.5 in)</td>
<td>(15 ft 2.5 in)</td>
<td>(8 ft 11 in)</td>
</tr>
<tr>
<td>Four-wheel steer</td>
<td>3683 mm</td>
<td>3645 mm</td>
<td>3188 mm</td>
<td>1473 mm</td>
</tr>
<tr>
<td></td>
<td>(12 ft 1 in)</td>
<td>(11 ft 9.5 in)</td>
<td>(10 ft 5.5 in)</td>
<td>(4 ft 10 in)</td>
</tr>
</tbody>
</table>

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.
The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.
Range diagram

CD3330FL
(Three-section boom)

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### Load chart

**CD330FL**

*(Three-section boom)*

<table>
<thead>
<tr>
<th>Radius (ft)</th>
<th>3-SECTION MAIN BOOM</th>
<th>ON OUTRIGGERS (lb)</th>
<th>ON RUBBER (lb)</th>
<th>Radius (ft)</th>
<th>3-SECTION MAIN BOOM W/6 FT JIB DEPLOYED</th>
<th>LOADED BOOM ANGLE (deg)</th>
<th>ON OUTRIGGERS (lb)</th>
<th>ON RUBBER (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F/R</td>
<td>360°</td>
<td>F/R</td>
<td>360°</td>
<td>F/R</td>
<td>360°</td>
<td>F/R</td>
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</tr>
<tr>
<td>5</td>
<td>17,000</td>
<td>17,000</td>
<td>5</td>
<td>10,000</td>
<td>10,000</td>
<td>16.4</td>
<td>60</td>
<td>3500</td>
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<tr>
<td>6</td>
<td>15,700</td>
<td>14,400</td>
<td>6</td>
<td>9,500</td>
<td>8,200</td>
<td>18</td>
<td>57.5</td>
<td>3375</td>
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<tr>
<td>8</td>
<td>12,400</td>
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<td>7,125</td>
<td>5,125</td>
<td>20</td>
<td>53.5</td>
<td>3225</td>
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<tr>
<td>10</td>
<td>10,200</td>
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<td>4,875</td>
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<td>3075</td>
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<tr>
<td>12</td>
<td>8,500</td>
<td>6,950</td>
<td>12</td>
<td>3,550</td>
<td>2,550</td>
<td>24</td>
<td>44.5</td>
<td>2950</td>
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<tr>
<td>14</td>
<td>7,100</td>
<td>5,800</td>
<td>14</td>
<td>2,750</td>
<td>1,925</td>
<td>26</td>
<td>39.5</td>
<td>2850</td>
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<tr>
<td>16</td>
<td>6,000</td>
<td>4,650</td>
<td>16</td>
<td>2,150</td>
<td>1,450</td>
<td>28</td>
<td>34</td>
<td>2625</td>
</tr>
<tr>
<td>18</td>
<td>5,200</td>
<td>3,800</td>
<td>18</td>
<td>1,775</td>
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<td>850</td>
<td>475</td>
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</tbody>
</table>

**NOTES:**
- **Operate with jib by radius when main boom is fully extended and by boom angle when main boom is partially extended. Do not exceed jib capacities at any partially extended boom length.**
- **Shaded areas are governed by structural strength. Do not rely on tipping.**
- **Operation of this equipment in excess of rating charts and disregard of instructions is dangerous and voids warranty.**

1) The rated loads are the maximum lifting capacities as determined by operating radius only. Any combination of boom lengths and angles may be used to obtain operating radius. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.

2) The rated loads shown on outriggers do not exceed 85% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform, supporting surface. Practical working loads depend on supporting surface, operating radius, and other factors affecting stability. Hazardous surroundings, climatic conditions, experience of personnel, and proper training must all be taken into account by the operator.

3) The weights of all load handling devices such as hooks, hook blocks, slings, etc., except the hoist rope, shall be considered as part of the load. See reduction chart.

4) Ratings on outriggers are with outriggers fully extended.

5) Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (100 psi). Loads on rubber may be transported at a maximum speed of 2.5 mph on a smooth, hard, level surface with boom retracted to the shortest length possible and centered over front.

6) For operating radius not shown, use load rating of next larger radius.

7) The maximum combined total boom and deck load is 12,000 lb. The maximum deck load only is 14,000 lb.

8) Do not induce any external side loads to boom or jib.

---

**80017679CD**

**THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.**

The individual crane’s load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.
**CD330FL**

(Four-section boom)

### 4-SECTION MAIN BOOM W/ 4TH RETRACTED

<table>
<thead>
<tr>
<th>Radius (ft)</th>
<th>ON OUTRIGGERS (lb)</th>
<th>ON RUBBER (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F/R</td>
<td>360°</td>
<td>F/R</td>
</tr>
<tr>
<td>5</td>
<td>17000</td>
<td>17000</td>
</tr>
<tr>
<td>6</td>
<td>15700</td>
<td>14400</td>
</tr>
<tr>
<td>8</td>
<td>12400</td>
<td>10800</td>
</tr>
<tr>
<td>10</td>
<td>10200</td>
<td>8500</td>
</tr>
<tr>
<td>12</td>
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<td>6950</td>
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<td>5800</td>
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<tr>
<td>16</td>
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<tr>
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<td>3800</td>
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<td>20</td>
<td>4450</td>
<td>3150</td>
</tr>
<tr>
<td>22</td>
<td>3800</td>
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<td>2900</td>
<td>2050</td>
</tr>
<tr>
<td>27</td>
<td>2750</td>
<td>1925</td>
</tr>
</tbody>
</table>

### 4-SECTION MAIN BOOM W/ 4TH EXTENDED

<table>
<thead>
<tr>
<th>Radius (ft)</th>
<th>ON OUTRIGGERS (lb)</th>
<th>ON RUBBER (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F/R</td>
<td>360°</td>
<td>F/R</td>
</tr>
<tr>
<td>5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>4900</td>
<td>4900</td>
</tr>
<tr>
<td>8</td>
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<tr>
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<td>2200</td>
<td>1600</td>
</tr>
<tr>
<td>33.5</td>
<td>1975</td>
<td>1400</td>
</tr>
<tr>
<td>36</td>
<td>1775</td>
<td>1250</td>
</tr>
</tbody>
</table>

**NOTES:**

- OPERATE WITH JIB BY RADIUS WHEN MAIN BOOM IS FULLY EXTENDED (WITH 4TH SECTION EXTENDED OR RETRACTED) AND BY BOOM ANGLE WHEN MAIN BOOM IS PARTIALLY EXTENDED. DO NOT EXCEED JIB CAPACITIES AT ANY PARTIALLY EXTENDED BOOM LENGTH.

- SHADOW AREAS ARE GOVERNED BY STRUCTURAL STRENGTH. DO NOT RELY ON TIPPING.

1) The rated loads are the maximum lifting capacities as determined by operating radius only. Any combination of boom lengths and angles may be used to obtain operating radius. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.

2) The rated loads shown on outriggers do not exceed 85% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform, supporting surface. Practical working loads depend on supporting surface, operating radius, and other factors affecting stability. Hazardous surroundings, climatic conditions, experience of personnel, and proper training must all be taken into account by the operator.

3) The weights of all load handling devices such as hooks, hook blocks, slings, etc., except the hoist rope, shall be considered as part of the load. See reduction chart.

4) Ratings on outriggers are with outriggers fully extended.

5) Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (100 psi). Loads on rubber may be transported at a maximum speed of 2.5 mph on a smooth, hard, level surface with boom retracted to the shortest length possible and centered over front.

6) For operating radius not shown, use load rating of next larger radius.

7) The maximum combined total boom and deck load is 12,000 lb. The maximum deck load only is 14,000 lb.

8) Do not induce any external side loads to boom or jib.

---

**THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.**

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

---

**LOAD CHART**

**SECTION MAIN BOOM**

**ON OUTRIGGERS (lb)**

<table>
<thead>
<tr>
<th>Radius (deg)</th>
<th>ON OUTRIGGERS (lb)</th>
<th>ON RUBBER (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F/R</td>
<td>360°</td>
<td>F/R</td>
</tr>
<tr>
<td>16.4</td>
<td>60</td>
<td>3500</td>
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<tr>
<td>18</td>
<td>57.5</td>
<td>3375</td>
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<td>3225</td>
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<tr>
<td>22</td>
<td>49</td>
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<td>2175</td>
</tr>
<tr>
<td>33.5</td>
<td>0</td>
<td>2000</td>
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</tbody>
</table>

**REDUCTION CHART**

<table>
<thead>
<tr>
<th>MAIN BLOCK</th>
<th>140 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>FROM JIB RATING</td>
<td>FROM JIB RATING</td>
</tr>
<tr>
<td>HOOK &amp; BALL</td>
<td>100 lb</td>
</tr>
<tr>
<td>JIB, STOWED</td>
<td>0 lb</td>
</tr>
<tr>
<td>JIB, DEPLOYED</td>
<td>150 lb</td>
</tr>
</tbody>
</table>

**RIGGING CHART**

- **1-PART** 0 - 8500 lb
- **2-PART** 0 - 17000 lb

**WIRE ROPE:** 1/2 inch diameter
Minimum breaking strength 29,750 lb

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80017731
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# Load chart

## CD3339

### MAIN BOOM

<table>
<thead>
<tr>
<th>RADIUS (ft)</th>
<th>ON OUTRIGGERS (lb)</th>
<th>ON RUBBER (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>F/R 360°</td>
<td>F/R 360°</td>
</tr>
<tr>
<td></td>
<td>BOOM RETRACTED</td>
<td>BOOM EXTENDED</td>
</tr>
<tr>
<td>5.0</td>
<td>18,000</td>
<td>14,700</td>
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<tr>
<td>6.0</td>
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<tr>
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<td>2680</td>
<td>2010</td>
</tr>
<tr>
<td>31.0</td>
<td>2270</td>
<td>1740</td>
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</tbody>
</table>

### JIB

<table>
<thead>
<tr>
<th>JIB</th>
<th>FROM MAIN BOOM RATING</th>
<th>FROM MAIN JIB RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>140 lb</td>
<td>N/A</td>
</tr>
<tr>
<td>HOOK &amp; BALL</td>
<td>100 lb</td>
<td>100 lb</td>
</tr>
<tr>
<td>JIB, STowed</td>
<td>0 lb</td>
<td>N/A</td>
</tr>
<tr>
<td>JIB, Deployed</td>
<td>450 lb</td>
<td>0 lb</td>
</tr>
</tbody>
</table>

### JIB STRUCTURAL CAPACITIES (lb)

<table>
<thead>
<tr>
<th></th>
<th>12 ft JIB</th>
<th>18 ft JIB</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0° OFFSET</td>
<td>15° OFFSET</td>
</tr>
<tr>
<td>72</td>
<td>7500</td>
<td>3100</td>
</tr>
<tr>
<td>70</td>
<td>7000</td>
<td>3400</td>
</tr>
<tr>
<td>65</td>
<td>5700</td>
<td>3000</td>
</tr>
<tr>
<td>60</td>
<td>4500</td>
<td>2800</td>
</tr>
<tr>
<td>55</td>
<td>3500</td>
<td>2550</td>
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<td>50</td>
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<td>2000</td>
<td>1600</td>
</tr>
<tr>
<td>35</td>
<td>1750</td>
<td>1350</td>
</tr>
<tr>
<td>30</td>
<td>1600</td>
<td>1100</td>
</tr>
<tr>
<td>25</td>
<td>1500</td>
<td>900</td>
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<td>1250</td>
<td>600</td>
</tr>
<tr>
<td>0</td>
<td>1200</td>
<td>600</td>
</tr>
</tbody>
</table>

### NOTES:

1. The rated loads are the maximum lifting capacities as determined by operating radius only. Any combination of boom lengths and angles may be used to obtain operating radius. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.

2. The rated loads shown on outriggers do not exceed 85% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform, supporting surface. Practical working loads depend on supporting surface, operating radius, and other factors affecting stability. Hazardous surroundings, climatic conditions, experience of personnel, and proper training must all be taken into account by the operator.

3. The weights of all load handling devices such as hooks, hook blocks, slings, etc., except the hoist rope, shall be considered as part of the load. See reduction chart.

4. Ratings on outriggers are with outriggers fully extended.

5. Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (100 psi). Loads on rubber may be transported at a maximum speed of 2.5 mph on a smooth, hard, level surface with boom retracted to the shortest length possible and centered over front.

6. For operating radius not shown, use load rating of next larger radius.

7. The maximum combined total boom and deck load is 12,000 lb. The maximum deck load only is 14,000 lb.

8. Do not induce any external side loads to boom or jib.

---

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The individual crane’s load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.
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The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.
Turning radius

CD3340B

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two-wheel steer</td>
<td>4759 mm (15 ft 7.4 in)</td>
<td>4482 mm (14 ft 8.4 in)</td>
<td>4080 mm (13 ft 4.6 in)</td>
<td>2556 mm (8 ft 4.6 in)</td>
<td>4522 mm (14 ft 10.0 in)</td>
</tr>
<tr>
<td>Four-wheel steer</td>
<td>3990 mm (13 ft 1.1 in)</td>
<td>3346 mm (10 ft 11.7 in)</td>
<td>2853 mm (9 ft 4.3 in)</td>
<td>1470 mm (4 ft 9.9 in)</td>
<td>3416 mm (11 ft 2.5 in)</td>
</tr>
</tbody>
</table>

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The individual crane’s load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.
NOTES:
JIB CAPACITY IS LIMITED BY BOTH STRUCTURAL CAPACITY CHART AND MAIN CAPACITY CHART.

SHADED AREAS ARE GOVERNED BY STRUCTURAL STRENGTH, DO NOT RELY ON TIPPING.

OPERATION OF THIS EQUIPMENT IN EXCESS OF RATING CHARTS AND DISREGARD OF INSTRUCTIONS IS DANGEROUS AND VOIDS WARRANTY.

1) The rated loads are the maximum lifting capacities as determined by operating radius, boom extension and boom angle. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading to the center of vertical hoist line or tackle with load applied.

2) The rated loads shown on outriggers do not exceed 85% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. Retracted outrigger rated loads meet ASME B30.5-2004. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform, supporting surface. Practical working loads depend on supporting surface, operating radius, and other factors affecting stability. Hazardous surroundings, climatic conditions, experience of personnel, and proper training must all be taken into account by the operator.

3) The weights of all load handling devices such as hooks, hook blocks, slings, etc., except the hoist rope, shall be considered as part of the load. See reduction chart.

4) Ratings on outriggers are for either outriggers fully extended and down or fully retracted and down. Ratings for outriggers fully retracted and down will apply for any intermediate outrigger setting.

5) Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (125 psi). Loads on rubber may be transported at a maximum speed of 2.5 mph on a smooth, hard level surface with boom retracted to the shortest length possible and centered over front.

6) For operating radius not shown, use load rating of next larger radius.

7) The maximum combined total boom and deck load is 12,000 lb. The maximum deck load only is 14,000 lb.

8) Do not induce any external side loads to boom or jib.

80016880CD

CD3340B

<table>
<thead>
<tr>
<th>MAIN BOOM</th>
<th>ON OUTRIGGERS (lb)</th>
<th>ON RUBBER (lb)</th>
<th>JIB STRUCTURAL CAPACITIES (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADIUS (ft)</td>
<td>EXTENDED 360˚</td>
<td>RETRACTED 360˚</td>
<td>F/R</td>
</tr>
<tr>
<td>BOOM RETRACTED</td>
<td>BOOM EXTENDED</td>
<td>BOOM RETRACTED</td>
<td>BOOM EXTENDED</td>
</tr>
<tr>
<td>4.0</td>
<td>21,000</td>
<td>15,000</td>
<td>19,625</td>
</tr>
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<td>14,700</td>
<td>16,800</td>
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<td>13,400</td>
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<tr>
<td>8.0</td>
<td>12,200</td>
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<td>8700</td>
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<td>12.0</td>
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</tr>
<tr>
<td>48.0</td>
<td>-</td>
<td>1000</td>
<td>-</td>
</tr>
</tbody>
</table>

REDUCTION CHART

<table>
<thead>
<tr>
<th>FROM MAIN BOOM RATINGS</th>
<th>FROM JIB RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAIN BLOCK</td>
<td>140lb</td>
</tr>
<tr>
<td>HOOK &amp; BALL</td>
<td>100lb</td>
</tr>
<tr>
<td>JIB, STOWED</td>
<td>0lb</td>
</tr>
<tr>
<td>JIB, DEPLOYED</td>
<td>450lb</td>
</tr>
</tbody>
</table>

RIGGING CHART

<table>
<thead>
<tr>
<th>WIRE ROPE: 9/16 inch diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. breaking strength: 36,750 lb</td>
</tr>
</tbody>
</table>
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Fânzeres
Slovakia
Saris
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Manitowoc
Port Washington
Shady Grove

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