NOTES FOR LIFTING CAPACITIES

WARNING: THIS CHART IS ONLY A GUIDE. The notes below are for illustration only and should not be relied upon to operate the crane. The individual crane’s load chart, operating instructions and other instruction plates must be read and understood prior to operating the crane.

1. All rated loads have been tested and meet minimum requirements of SAE J1065 OCT80 - Cantilevered Boom Crane Structures - Method of Test, and do not exceed 85% of the tipping load on outriggers (75% of the tipping load on rubber) as determined by SAE J1065 OCT 80 Crane Stability Test Code.

2. Capacities given do not include the weight of hoistblocks, slings, auxiliary lifting equipment and load handling devices. Their weights MUST be added to the load to be lifted. When more than minimum required reeving is used, the additional rope weight shall be considered part of the load.

3. Defined an 6° on either side of longitudinal centerline of machine.

4. All capacities are for crane on firm, level surface. It may be necessary to have structural supports under the outrigger floats or tires to spread the load to a larger bearing surface.

5. When either boom length or radius or both are between values listed, the smallest load shown at either the next larger radius or boom length shall be used.

6. For outrigger operation, all outriggers shall be fully extended with tires raised free of ground before raising the boom or lifting loads.

7. Tires shall be inflated to the recommended pressure before lifting on rubber.

8. Unless otherwise stated, capacities are with powered boom sections equally extended.

9. Capacities appearing above the bold line are based on structural strength and tipping should not be relied upon as a capacity limitation.

10. With boom extension in working position and main boom length greater than 80 ft, boom angle must not be less than 40° since loss of stability will occur causing a tipping condition.

Constant improvement and engineering progress make it necessary that we reserve the right to make specifications, equipment, and price changes without notice. Illustrations shown may include optional equipment and accessories and may not include all standard equipment.

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NOTE: (1) Boom angles are in degrees.
<table>
<thead>
<tr>
<th>Radius in Feet</th>
<th>0° Offset</th>
<th>15° Offset</th>
<th>30° Offset</th>
<th>45° Offset</th>
<th>60° Offset</th>
<th>75° Offset</th>
<th>90° Offset</th>
<th>105° Offset</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>114.0</td>
<td>119.0</td>
<td>125.0</td>
<td>135.0</td>
<td>146.0</td>
<td>160.0</td>
<td>173.0</td>
<td>186.0</td>
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<tr>
<td>35</td>
<td>127.0</td>
<td>132.0</td>
<td>139.0</td>
<td>149.0</td>
<td>161.0</td>
<td>175.0</td>
<td>188.0</td>
<td>201.0</td>
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<td>140.0</td>
<td>145.0</td>
<td>152.0</td>
<td>162.0</td>
<td>175.0</td>
<td>190.0</td>
<td>203.0</td>
<td>216.0</td>
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<tr>
<td>45</td>
<td>153.0</td>
<td>158.0</td>
<td>166.0</td>
<td>177.0</td>
<td>191.0</td>
<td>206.0</td>
<td>219.0</td>
<td>232.0</td>
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<tr>
<td>50</td>
<td>166.0</td>
<td>171.0</td>
<td>180.0</td>
<td>192.0</td>
<td>206.0</td>
<td>222.0</td>
<td>236.0</td>
<td>250.0</td>
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<tr>
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<td>179.0</td>
<td>185.0</td>
<td>195.0</td>
<td>208.0</td>
<td>223.0</td>
<td>240.0</td>
<td>255.0</td>
<td>270.0</td>
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<tr>
<td>60</td>
<td>192.0</td>
<td>199.0</td>
<td>209.0</td>
<td>223.0</td>
<td>239.0</td>
<td>257.0</td>
<td>275.0</td>
<td>292.0</td>
</tr>
</tbody>
</table>

**WEIGHT REDUCTIONS FOR LOAD HANDLING DEVICES**

**32 ft. Extension**

- Stowed: 846 lbs.
- Stowed (incl. winch): 6,388 lbs.
- Stowed (excl. winch): 6,287 lbs.

**32 ft. - 56 ft. Tele Offsettable Extension**

- Minimum boom angle (deg) for indicated length (no load)
- Maximum boom length (ft) at 0 deg. boom angle (no load)

**DIMENSIONS ARE FOR LARGEST GROVE FURNISHED HOOK BLOCK AND HEADACHE BALL, WITH ANTI-TWO BLOCK ACTIVATED.**

**32 FT. - 56 FT. TELE OFFSETTABLE EXTENSION (ON OUTRIGGERS - 360°)**
WORKING AREA DIAGRAM

CENTERLINE OF BOOM

CENTERLINE OF OUTRIGGER SUPPORT

LONGITUDINAL CENTERLINE OF CRANE

SEE NOTE AT BOTTOM

DIAGRAM FOR LIFTING ON OUTRIGGERS

OVER SIDE

OVER FRONT

OVER REAR

CENTERLINE OF ROTATION

REAR AXLE OSCILLATION LOCKOUTS MUST BE SET TO MAINTAIN 360° CAPACITIES

6°

12°

FRONT

DIAGRAM FOR LIFTING ON TIRES

C6-829-003529
C6-829-001159

BOLD LINES DETERMINE THE LIMITING POSITION OF ANY LOAD FOR OPERATION WITHIN WORKING AREAS INDICATED.

All-West Crane & Rigging Ltd.
250 249 5151
# ZERO DEGREE BOOM ANGLE CHARTS

## ON OUTRIGGERS - 360 DEGREES

<table>
<thead>
<tr>
<th>Boom Angle</th>
<th>35</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
<th>80</th>
<th>90</th>
<th>100</th>
<th>110</th>
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</thead>
<tbody>
<tr>
<td>0°</td>
<td>15,490</td>
<td>12,240</td>
<td>7,860</td>
<td>4,970</td>
<td>3,670</td>
<td>2,710</td>
<td>1,960</td>
<td>1,360</td>
<td>860</td>
</tr>
<tr>
<td></td>
<td>(27.8)</td>
<td>(33)</td>
<td>(43)</td>
<td>(52.8)</td>
<td>(63)</td>
<td>(73)</td>
<td>(83)</td>
<td>(93)</td>
<td>(102.8)</td>
</tr>
</tbody>
</table>

## ON RUBBER

**Stationary Capacity Defined Arc (3) Over Front**

<table>
<thead>
<tr>
<th>Boom Angle</th>
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<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°</td>
<td>13,900</td>
<td>9,660</td>
<td>4,830</td>
<td>2,160</td>
<td>1,010</td>
</tr>
<tr>
<td></td>
<td>(27.8)</td>
<td>(33)</td>
<td>(43)</td>
<td>(52.8)</td>
<td>(63)</td>
</tr>
</tbody>
</table>

**Stationary Capacity 360° Arc**

<table>
<thead>
<tr>
<th>Boom Angle</th>
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<th>40</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°</td>
<td>6,910</td>
<td>4,190</td>
<td>970</td>
</tr>
<tr>
<td></td>
<td>(27.8)</td>
<td>(33)</td>
<td>(43)</td>
</tr>
</tbody>
</table>

**Pick & Carry Capacities Up to 2.5 MPH Boom Centered (7) Over Front**

<table>
<thead>
<tr>
<th>Boom Angle</th>
<th>35</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°</td>
<td>13,900</td>
<td>9,660</td>
<td>4,830</td>
<td>2,160</td>
<td>1,010</td>
</tr>
<tr>
<td></td>
<td>(27.8)</td>
<td>(33)</td>
<td>(43)</td>
<td>(52.8)</td>
<td>(63)</td>
</tr>
</tbody>
</table>

A6-829-009334

Note: ( ) Reference radii in feet

*60 ft. boom length is with inner-mid extended and outer-mid & fly ret.

Refer to in-cab load chart for notes.