features

- 30 ton (27 mt) capacity
- 29 ft. - 95 ft. (8.8 m - 29.0 m) 4-section full power boom
- 26 ft. - 45 ft. (7.9 m - 13.7 m) offsettable telescopic swing-away extension
- Dual-axis electric joystick controllers
- Full frame decking
- Rounded cab design
- 160 hp (119 kw) Cummins diesel engine (tier III)
The RT530E-2 incorporates a rectangular boom shape made from 100k.s.i. steel which eliminates weight and maximizes structural capacities.

Rounded steel cab design provides aesthetic appeal.

Automotive style dash control panel designed to offer a less cluttered look while still offering full instrumentation.

Max. tip height of 146 ft. (44.5 m) w/45 ft. (13.7 m) telescopic extension.

Cummins QSB 6.7L diesel engine provides plenty of power at the jobsite and meets current emission standards.
Superstructure

Boom
29 ft. - 95 ft. (8.8 m - 29.0 m) four-section, synchronized full power boom.
Maximum tip height: 102.5 ft. (31.2 m).

*Optional Fixed Swingaway Extension
26 ft. (7.9 m) offsettable swingaway extension. Offsets at 0° and 30°. Stows alongside base boom section.
Maximum tip height: 127.6 ft. (38.9 m).

*Optional Telescopic Swingaway Extension
26 ft. - 45 ft. (7.9 m - 13.7 m) offsettable telescopic lattice swingaway extension. Offsets at 0° and 30°. Stows alongside base boom section.
Maximum tip height: 146 ft. (44.5 m).

Boom Nose
Three nylatron sheaves mounted on heavy duty tapered roller bearings with removable pin-type rope guards. Quick reeve type boom nose.

Boom Elevation
One double-acting hydraulic cylinder with integral holding valve provides elevation from -3° to +76°.

Load Moment & Anti-Two Block System
Standard “Graphic Display” load moment and anti-two block system with audio-visual warning and control lever lockout. These systems provide electronic display of boom angle, length, radius, tip height, relative load moment, maximum permissible load, load indication and warning of impending two-block condition. The standard Work Area Definition System allows the operator to pre-select and define safe working areas. If the crane approaches the pre-set limits, audio-visual warnings aid the operator in avoiding job-site obstructions.

Cab
Full vision, all steel fabricated with acoustical lining and tinted safety glass throughout. Deluxe seat incorporates armrest-mounted electric dual-axis controllers. Dash panel incorporates gauges for all engine functions. Other standard features include: tilt steering wheel, hot water heater, cab circulating air fan, sliding side and rear windows, sliding skylight with electric wiper and sunscreen, electric windshield wash/wipe, fire extinguisher and seat belt.

Swing
Single speed, planetary swing drive with foot applied multi-disc wet brake. Spring applied, hydraulically released swing brake. Single position mechanical house lock, operated from cab. Maximum speed: 2.0 RPM.

Counterweight
8,416 lbs. (3,817 kg) pinned to superstructure.

Hydraulic System
Two main pumps ([1] piston and [1] gear) with a combined capacity of 83.6 GPM (316.5 LPM).
Maximum operating pressure: 4,000 psi (275.7 bar).
Three section pressure compensated valve bank. Return line type filter with full flow by-pass protection and service indicator. Replaceable cartridge with micron filtration rating of 5/12/16.

Hydroreservoir: 104.6 gallon (396 L) hyd. reservoir. System pressure test ports.

HOIST SPECIFICATIONS (HP15C-17G)
Main and Auxiliary Hoist
Planetary reduction with automatic spring applied multi-disc wet brake. Electronic hoist drum rotation indicators, and hoist drum cable followers.

Maximum Single Line Pull:
1st layer: 11,640 lbs. (5,280 kg)
3rd layer: 9,530 lbs. (4,323 kg)
5th layer: 8,060 lbs. (3,656 kg)

Maximum Permissible Line Pull:
11,640 lb. (5,280 kg.) with 6x37 class rope
11,640 lb. (5,280 kg.) with 35x7 class rope

Maximum Single Line Speed:
445 FPM (136 m/min)

Rope Construction:
6x36 EIPS IWRC, Special Flexible
35x7 Flex-X, Rotation Resistant

Rope Diameter:
5/8 in. (16 mm)

Rope Length:
Main Hoist 450 ft. (137.0 m)
Auxiliary Hoist 450 ft. (137.0 m)

Maximum Rope Stowage:
596 ft. (181 m)

*Denotes optional equipment
Specifications

**Carrier**

**Chassis**
Box section frame fabricated from high-strength, low alloy steel. Front/rear towing and tie down lugs.

**Ouigger System**
Four hydraulic telescoping single-stage double box beam outriggers with inverted jacks and integral holding valves. Three position setting, 0%, 50% and fully extended. All steel fabricated quick release type outrigger floats, 14.25 in. (362 mm) square. Maximum outrigger pad load: 54,800 lbs. (24 857 kg)

**Outrigger Controls**
Controls and crane level indicator located in cab.

**Engine (Tier III)**
Cummins QSB 6.7L diesel, six cylinders, 160 bhp (119 kW) (Gross) @ 2,500 RPM. Maximum torque: 540 ft. lb. (732 Nm) @ 1,500 RPM.

**Fuel Tank Capacity**
58 gallons (219 L)

**Transmission**
Range-shift 6 speed (3 speeds x 2 range, both forward & reverse). Front axle disconnect for 4 x 2 travel.

**Electrical System**
Two 12 V - maintenance free batteries. 12 V starting and lighting. Battery disconnect. CanBus Diagnostic system.

**Drive**
4 x 4

**Steering**
Fully independent power steering:
Front: Full hydraulic steering wheel controlled.
Rear: Full hydraulic switch controlled.
Provides infinite variations 4 main steering modes: front only, rear only, crab and coordinated.
Rear steer indicator.
Outside turning radius: 19.1 ft. (5.8m)
Inside turning radius: 13.1 ft. (4.0m)

**Axles**
Front: Drive/steer with differential and planetary reduction hubs rigid mounted to frame.
Rear: Drive/steer with differential and planetary reduction hubs pivot mounted to frame.

**Oscillation Lockouts**
Automatic full hydraulic lockouts on rear axle permits 10 in. (25.4 cm) oscillation only with boom centered over the front.

**Brakes**
Full hydraulic split circuit disc-type brakes operating on all wheels. Spring-applied, hydraulically released parking brake mounted on front axle.

**Tires**
Std. 20.5 x 25 - 24 bias ply
Option: 16.0 x 25-28 bias ply

**Lights**
Full lighting including turn indicators, head, tail, brake and hazard warning lights.

**Maximum Speed**
25 MPH (40 kph) @ 2500 r.p.m.

**Gradeability (Theoretical)**
119% (at engine stall)
(Based on 59,537 lb. [27 006 kg] GVW) 20.5 x 25 tires, 95 ft. (29.0m) main boom, plus 45 ft. (13.7m) telescopic swingaway, 8,416 lb. (3 817 kg) counterweight, 30T (27mt) hookblock and 7.5 T (6.8mt) headache ball.

**Miscellaneous Standard Equipment**
Full width steel fenders, full length steel decking with anti-skid, dual rear view mirrors, hook-block tie-down, electronic back-up alarm, light package, front stowage well, tachometer/hourmeter, rear wheel position indicator, 36,000 Btu hot water cab heater, hoist mirrors, engine distress A/V warning system, front/rear tie down and tow lugs, coolant sight level indicator.

**Optional Equipment**
* AUXILIARY HOIST PACKAGE (includes Model HP15C-17G auxiliary hoist with electronic hoist drum rotation indicator, hoist drum cable follower, 450 ft. (137.0 m) of 5/8 in. (16 mm) 35 x 7 class wire rope and auxiliary single sheave boom nose.
* AUXILIARY LIGHTING PACKAGE (includes S/S mounted amber flashing light and dual base boom mounted halogen floodlights).
* LMI light bar (in cab)
* Air conditioning (28,500 BTU)
* 360 degree NYC style mechanical swing lock
* Rear Pintle hook
* Cab-controlled cross axle differential locks (front & rear)
* PAT Data logger down-load kit
* Rubber mat for stowage trough

*Denotes optional equipment
### Dimensions

<table>
<thead>
<tr>
<th>Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 WHEEL STEER</td>
<td>20.5' X 25'</td>
<td>128.88</td>
<td>124.93</td>
<td>99.90</td>
<td>102.26</td>
<td>140.82</td>
<td>81.58</td>
<td>79.36</td>
<td>29.04</td>
<td>99.38</td>
<td>18.73</td>
<td>17.36</td>
</tr>
<tr>
<td>16.0' X 25'</td>
<td>123.98</td>
<td>120.98</td>
<td>96.06</td>
<td>100.34</td>
<td>139.89</td>
<td>81.58</td>
<td>79.36</td>
<td>29.04</td>
<td>99.38</td>
<td>18.73</td>
<td>17.36</td>
<td></td>
</tr>
<tr>
<td>4 WHEEL STEER</td>
<td>20.5' X 25'</td>
<td>88.67</td>
<td>86.38</td>
<td>62.72</td>
<td>69.04</td>
<td>83.28</td>
<td>49.90</td>
<td>48.66</td>
<td>25.70</td>
<td>79.38</td>
<td>18.73</td>
<td>17.36</td>
</tr>
<tr>
<td>16.0' X 25'</td>
<td>86.67</td>
<td>84.38</td>
<td>60.72</td>
<td>67.04</td>
<td>81.28</td>
<td>49.90</td>
<td>48.66</td>
<td>25.70</td>
<td>79.38</td>
<td>18.73</td>
<td>17.36</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
1. All dimensions are for reference only.
2. Boom elevation is -3° to +76°.
3. DIM (shown based on 20.5' X 25' Tires).
   Add 34.5 mm for 16.0' X 25' Tires.

### Weights

#### RT530E-2 Basic Machine

Basic Machine including 95 ft (31.0m) main boom, main hoist with 450 ft.
(137.0m) of rope, full counterweight + IPO, 7.5 T (6.8mt) headache ball, and 30T
(27mt) hookblock:

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>lb.</td>
<td>kg</td>
<td>lb.</td>
</tr>
<tr>
<td>66,996</td>
<td>25,853</td>
<td>25,353</td>
</tr>
</tbody>
</table>

**ADD:**
- Auxiliary hoist + 450 ft. (137.0m) of 35x7 hoist cable and auxiliary boom nose
  ILO (PO) C/W

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>lb.</td>
<td>kg</td>
<td>lb.</td>
</tr>
<tr>
<td>57,388</td>
<td>26,031</td>
<td>25,230</td>
</tr>
</tbody>
</table>

**ADD:**
- Fixed 26 ft. (7.9m) offsettable boom extension + extension hangers

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>lb.</td>
<td>kg</td>
<td>lb.</td>
</tr>
<tr>
<td>59,067</td>
<td>26,793</td>
<td>27,925</td>
</tr>
</tbody>
</table>

**OR ADD:**
- 26 ft. - 45 ft. (7.9 - 13.7m) telescopic boom extension + extension hangers

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>lb.</td>
<td>kg</td>
<td>lb.</td>
</tr>
<tr>
<td>59,537</td>
<td>27,006</td>
<td>28,598</td>
</tr>
</tbody>
</table>

---

*GROVE*
Dimensions are for largest Grove furnished hookblock and headache ball, with anti-two block activated.

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.
## RT530E-2 Load Chart

### Lifting Capacities at Zero Degree Boom Angle

<table>
<thead>
<tr>
<th>Boom Angle</th>
<th>29</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
<th>80</th>
<th>90</th>
<th>95</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 deg.</td>
<td>26,100</td>
<td>15,800</td>
<td>11,000</td>
<td>7,430</td>
<td>5,220</td>
<td>3,790</td>
<td>2,660</td>
<td>2,220</td>
</tr>
</tbody>
</table>

**NOTE:** ( ) Reference radii in feet.

### Minimum Boom Angle

Minimum boom angle (°) for indicated length (no load) = 0

### Maximum Boom Length

Maximum boom length (ft.) at 0° boom angle (no load) = 95 ft

**NOTE:** Boom angles are in degrees.

<table>
<thead>
<tr>
<th>Boom Angle</th>
<th>29</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
<th>80</th>
<th>90</th>
<th>95.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 deg.</td>
<td>26,100</td>
<td>15,800</td>
<td>11,000</td>
<td>7,430</td>
<td>5,220</td>
<td>3,790</td>
<td>2,660</td>
<td>2,220</td>
</tr>
</tbody>
</table>

**NOTE:** ( ) Reference radii in feet.
BOOM EXTENSION CAPACITY NOTES:
1. All capacities above the bold line are based on structural strength of boom extension.
2. 26 ft. and 45 ft. boom extension lengths may be used for single line lifting service.
3. Radii listed are for a fully extended boom with the boom extension erected. For main boom lengths less than fully extended, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is configured. For boom angles not shown, use the rating of the next lower boom angle.
4. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
5. Capacities listed are with outriggers fully extended and vertical jacks set only.

Note: *26 ft. capacities are also applicable to fixed offsettable ext. However, the LMI codes will change to LMI operating code. Refer to LMI manual for instructions.
*This capacity is based upon maximum boom angle.

Lifting Capacity at Zero Degree On Rubber - 360°

<table>
<thead>
<tr>
<th>Feet</th>
<th>Main Boom Length in Feet</th>
<th>Main Boom Length in Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>10</td>
<td>11,005</td>
</tr>
<tr>
<td>40</td>
<td>30</td>
<td>11,005</td>
</tr>
<tr>
<td>50</td>
<td></td>
<td>11,005</td>
</tr>
</tbody>
</table>

Max. boom angle at 0° boom angle (no load) 30°

LMI operating code. Refer to LMI manual for instructions.

Main Boom Length in Feet

<table>
<thead>
<tr>
<th>Feet</th>
<th>0°</th>
<th>29</th>
<th>40</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>25,550</td>
<td>25,550</td>
<td>16,450</td>
<td>16,450</td>
</tr>
<tr>
<td>12</td>
<td>20,600</td>
<td>(56)</td>
<td>16,450</td>
<td>16,450</td>
</tr>
<tr>
<td>15</td>
<td>16,350</td>
<td>16,350</td>
<td>(68)</td>
<td>14,350</td>
</tr>
<tr>
<td>20</td>
<td>8,280</td>
<td>(53)</td>
<td>8,280</td>
<td>8,280</td>
</tr>
<tr>
<td>25</td>
<td>5,330</td>
<td>(42.5)</td>
<td>5,330</td>
<td>5,330</td>
</tr>
<tr>
<td>30</td>
<td>3,630</td>
<td>(29)</td>
<td>3,630</td>
<td>3,630</td>
</tr>
<tr>
<td>35</td>
<td>2,500</td>
<td>(39)</td>
<td>2,500</td>
<td>2,500</td>
</tr>
<tr>
<td>40</td>
<td>1,690</td>
<td>(20)</td>
<td>1,690</td>
<td>1,690</td>
</tr>
<tr>
<td>45</td>
<td>1,090</td>
<td>(45)</td>
<td>1,090</td>
<td>1,090</td>
</tr>
</tbody>
</table>

Min. boom angle for indicated length (no load) 30°

Max. boom angle at 0° boom angle (no load) 60°

LMI operating code. Refer to LMI manual for instructions.

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.
NOTES TO ALL RUBBER CAPACITY CHARTS:

1. Capacities are in pounds and do not exceed 75% of tipping loads as determined by test in accordance with SAE J765.
2. Capacities are applicable to machines equipped with 20.5x25 (24 ply) tires at 75 psi cold inflation pressure, and 16.00x25 (28 ply) tires at 100 psi cold inflation pressure.
3. Defined Arc - Over front includes 6° on either side of longitudinal centerline of machine (ref. drawing C6-829-003529).
4. Capacities appearing above the bold line are based on structural strength and tipping should not be relied upon as a capacity limitation.
5. Capacities are applicable only with machine on firm level surface.
6. On rubber lifting with boom extensions not permitted.
7. For pick and carry operation, boom must be centered over front of machine, mechanical swing lock engaged and load restrained from swinging. When handling loads in the structural range with capacities close to maximum ratings, travel should be reduced to creep speeds.
8. Axle lockouts must be functioning when lifting on rubber.
9. All lifting depends on proper tire inflation, capacity and condition. Capacities must be reduced for lower tire inflation pressures. See lifting capacity chart for tire used. Damaged tires are hazardous to safe operation of crane.
10. Creep - Not over 200 ft. of movement in any 30 minute period and not exceeding 1 mph.

NOTES TO ALL RUBBER CAPACITY CHARTS:

1. Capacities are in pounds and do not exceed 75% of tipping loads as determined by test in accordance with SAE J765.
2. Capacities are applicable to machines equipped with 20.5x25 (24 ply) tires at 75 psi cold inflation pressure, and 16.00x25 (28 ply) tires at 100 psi cold inflation pressure.
3. Defined Arc - Over front includes 6° on either side of longitudinal centerline of machine (ref. drawing C6-829-003529).
4. Capacities appearing above the bold line are based on structural strength and tipping should not be relied upon as a capacity limitation.
5. Capacities are applicable only with machine on firm level surface.
6. On rubber lifting with boom extensions not permitted.
7. For pick and carry operation, boom must be centered over front of machine, mechanical swing lock engaged and load restrained from swinging. When handling loads in the structural range with capacities close to maximum ratings, travel should be reduced to creep speeds.
8. Axle lockouts must be functioning when lifting on rubber.
9. All lifting depends on proper tire inflation, capacity and condition. Capacities must be reduced for lower tire inflation pressures. See lifting capacity chart for tire used. Damaged tires are hazardous to safe operation of crane.
10. Creep - Not over 200 ft. of movement in any 30 minute period and not exceeding 1 mph.
# Load Charts

## Lifting Capacities at Zero Degree Boom Angle

<table>
<thead>
<tr>
<th>Boom Angle</th>
<th>Main Boom Length in Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°</td>
<td>29</td>
</tr>
<tr>
<td>30°</td>
<td></td>
</tr>
<tr>
<td>45°</td>
<td></td>
</tr>
<tr>
<td>60°</td>
<td></td>
</tr>
<tr>
<td>90°</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Feet</th>
<th>#0001</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1A (lb)</td>
<td>570</td>
<td>540</td>
<td>500</td>
</tr>
</tbody>
</table>

### Footnotes:
- Boom angles are in degrees.
- This capacity is based on maximum boom angle.

### Lifting Capacities on Outriggers

<table>
<thead>
<tr>
<th>Feet</th>
<th>#0003</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1A (lb)</td>
<td>570</td>
<td>540</td>
<td>500</td>
</tr>
</tbody>
</table>

### Footnotes:
- Boom angles are in degrees.
- This capacity is based on maximum boom angle.

### Lifting Capacities on Outriggers

<table>
<thead>
<tr>
<th>Feet</th>
<th>#0003</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1A (lb)</td>
<td>570</td>
<td>540</td>
<td>500</td>
</tr>
</tbody>
</table>

### Footnotes:
- Boom angles are in degrees.
- This capacity is based on maximum boom angle.

### Lifting Capacities on Outriggers

<table>
<thead>
<tr>
<th>Feet</th>
<th>#0003</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1A (lb)</td>
<td>570</td>
<td>540</td>
<td>500</td>
</tr>
</tbody>
</table>

### Footnotes:
- Boom angles are in degrees.
- This capacity is based on maximum boom angle.

## Boom Extension Capacity Notes

1. All capacities above the bold line are based on structural strength of boom extension.
2. 26 ft. and 45 ft. boom extension lengths may be used for single line lifting service.
3. Radii listed are for a fully extended boom with the boom extension erected. For main boom lengths less than fully extended, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is configured. For boom angles not shown, use the rating of the next lower boom angle.

### Warning
Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.

4. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.

5. Capacities listed are with outriggers properly extended and vertical jacks set only.

---

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.
When lifting over swingaway and/or jib combinations, deduct total weight of all load handling devices reeved over main boom nose directly from swingaway or jib capacity.

NOTE: All load handling devices and boom attachments are considered part of the load and suitable allowances MUST BE MADE for their combined weights. Weights are for Grove furnished equipment.

### Weight Reductions for Load Handling Devices

<table>
<thead>
<tr>
<th>Device Description</th>
<th>Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 ft. Offsettable Boom Extension</td>
<td>2,960</td>
</tr>
<tr>
<td><em>Erected</em></td>
<td></td>
</tr>
<tr>
<td>26 ft.-45 ft. Tele. Boom Extension</td>
<td>4,220</td>
</tr>
<tr>
<td><em>Erected (Retracted)</em></td>
<td></td>
</tr>
<tr>
<td><em>Erected (Extended)</em></td>
<td>5,780</td>
</tr>
<tr>
<td>*Reduction of main boom capacities</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Device Description</th>
<th>Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auxiliary Boom Nose</td>
<td>142</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Device Description</th>
<th>Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hookblocks and Headache Balls</td>
<td></td>
</tr>
<tr>
<td>30 Ton, 3 Sheave</td>
<td>580 +</td>
</tr>
<tr>
<td>15 Ton, 2 Sheave</td>
<td>425 +</td>
</tr>
<tr>
<td>7.5 Ton Overhaul Ball</td>
<td>354 +</td>
</tr>
<tr>
<td>7.5 Ton Headache Ball</td>
<td>338 +</td>
</tr>
</tbody>
</table>

*Refer to rating plate for actual weight.

When lifting over swingaway and/or jib combinations, deduct total weight of all load handling devices reeved over main boom nose directly from swingaway or jib capacity.

NOTE: All load handling devices and boom attachments are considered part of the load and suitable allowances MUST BE MADE for their combined weights. Weights are for Grove furnished equipment.

### Line Pulls and Reieving Information

<table>
<thead>
<tr>
<th>Hoists</th>
<th>Cable Spec</th>
<th>Permissible Line Pulls</th>
<th>Nominal Cable Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main &amp; Aux. Rotation</td>
<td>5/8&quot; (16 mm) Flex-X35 (35x7)</td>
<td>11,640 lb.</td>
<td>450 ft.</td>
</tr>
<tr>
<td>Min. Breaking Str.</td>
<td>61,200 lb.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EIPS, IWRC Special Flexible</td>
<td>5/8&quot; (16 mm) 6x37 Class</td>
<td>11,640 lb.</td>
<td>450 ft.</td>
</tr>
<tr>
<td>Min. Breaking Str.</td>
<td>41,200 lb.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Hoist Performance

<table>
<thead>
<tr>
<th>Wire Rope</th>
<th>Hoist Line</th>
<th>Drum Rope</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layer</td>
<td>Pulls</td>
<td>Capacity (ft.)</td>
</tr>
<tr>
<td>Layer</td>
<td>Available lb.*</td>
<td>Total</td>
</tr>
<tr>
<td>1</td>
<td>11,640</td>
<td>77</td>
</tr>
<tr>
<td>2</td>
<td>10,480</td>
<td>85</td>
</tr>
<tr>
<td>3</td>
<td>9,530</td>
<td>94</td>
</tr>
<tr>
<td>4</td>
<td>8,730</td>
<td>102</td>
</tr>
<tr>
<td>5</td>
<td>8,080</td>
<td>111</td>
</tr>
<tr>
<td>6</td>
<td>7,490</td>
<td>119</td>
</tr>
</tbody>
</table>

*Max. lifting capacity: 6x37 class = 11,640 lb.

35x7 class = 11,640 lb.

### Working Area Diagram

Bold lines determine the limiting position of any load for operation within working areas indicated.

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