**R30XMS 3 DIMENSIONS**

<table>
<thead>
<tr>
<th>DIM Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>F</strong> Hood Height</td>
<td>43.1 (1096)</td>
</tr>
<tr>
<td><strong>G</strong> Bumper Height</td>
<td>3.0 (76)</td>
</tr>
<tr>
<td><strong>H</strong> Stabilizer Height</td>
<td>0.5 (12.4)</td>
</tr>
<tr>
<td><strong>J</strong> Bumper to Drive Axle</td>
<td>9.3 (236)</td>
</tr>
<tr>
<td><strong>K</strong> Height of Battery Rollers</td>
<td>7.2 (184)</td>
</tr>
<tr>
<td><strong>L</strong> Base Arm Clearance</td>
<td>1.0 (26)</td>
</tr>
<tr>
<td><strong>M</strong> Height to Top Of Base Arms</td>
<td>4.0 (102)</td>
</tr>
<tr>
<td><strong>N</strong> Wheelbase</td>
<td>55.5 (1410)</td>
</tr>
<tr>
<td><strong>O</strong> Frame Length</td>
<td>71.52 (1817)</td>
</tr>
<tr>
<td><strong>P</strong> Head Length</td>
<td>71.3 (1812) / 72.3 (1837)</td>
</tr>
<tr>
<td><strong>Q</strong> Lowered Fork Height</td>
<td>3.0 (76)</td>
</tr>
<tr>
<td><strong>R</strong> Floor Step Height</td>
<td>9.0 (229)</td>
</tr>
<tr>
<td><strong>S</strong> Floor to Top of Overhead Guard</td>
<td>10.4 (264)</td>
</tr>
<tr>
<td><strong>T</strong> Floor to Underside of Overhead Guard</td>
<td>77.9 (1979)</td>
</tr>
<tr>
<td><strong>U</strong> Handrail Height (Fixed / Retractable)</td>
<td>39.0 / 39.2 (990 / 995)</td>
</tr>
<tr>
<td><strong>V</strong> Platform Side Opening (Fixed Rail)</td>
<td>15.4 (392)</td>
</tr>
<tr>
<td><strong>W</strong> Platform Depth (Inside)</td>
<td>23.4 (595)</td>
</tr>
<tr>
<td><strong>X</strong> Platform Depth (Overall)</td>
<td>27.6 (702)</td>
</tr>
</tbody>
</table>

*Turning Radius is the same with or without guide rollers*
### Battery Specifications

<table>
<thead>
<tr>
<th>Number of Cells</th>
<th>Cell Size</th>
<th>Plates per Cell</th>
<th>Capacity 6 Hr Rate</th>
<th>Battery Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>&quot;X&quot; (Width)</td>
<td>&quot;Y&quot; (Length)</td>
</tr>
<tr>
<td>12</td>
<td>85</td>
<td>15</td>
<td>595 (13.9)</td>
<td>35.2 (895)</td>
<td>12.9 (327)</td>
</tr>
<tr>
<td>12</td>
<td>100</td>
<td>15</td>
<td>700 (16.4)</td>
<td>35.2 (893)</td>
<td>12.9 (327)</td>
</tr>
<tr>
<td>12</td>
<td>110</td>
<td>15</td>
<td>770 (19.3)</td>
<td>35.2 (893)</td>
<td>12.9 (327)</td>
</tr>
</tbody>
</table>

Battery Compartment Length is measured from front to rear. Battery Compartment Width is measured across truck.

### Travel Speeds (24V)

<table>
<thead>
<tr>
<th>Fork Height (in.)</th>
<th>Steer Angle &lt;10° (mph)</th>
<th>Steer Angle &gt;10° (mph)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 (0)</td>
<td>6.0 (9.7)</td>
<td>6.0 (9.7)</td>
</tr>
<tr>
<td>24 (610)</td>
<td>6.0 (9.7)</td>
<td>3.0 (4.8)</td>
</tr>
<tr>
<td>40 (1048)</td>
<td>6.0 (9.7)</td>
<td>2.4 (3.9)</td>
</tr>
<tr>
<td>60 (1524)</td>
<td>6.0 (9.7)</td>
<td>1.5 (2.4)</td>
</tr>
<tr>
<td>116 (2946)</td>
<td>2.7 (4.3)</td>
<td>No Travel*</td>
</tr>
<tr>
<td>150 (3810)</td>
<td>1.0 (1.6)</td>
<td>No Travel*</td>
</tr>
<tr>
<td>&gt;150 (3810)</td>
<td>No Travel*</td>
<td>No Travel*</td>
</tr>
</tbody>
</table>

Note: Speed limits are for trucks operating temperature with fully charged battery. Speeds are the same in either direction, with or without rated load.

For lift heights between 24.0" (610 mm) and 150.0" (3810 mm), traction speed is reduced when steering angle exceeds 10°.

* Travel above 150.0" (3810 mm) fork height requires a High level traction option. Capacity reduction required.

Contact your local dealer for additional information.
**STANDARD EQUIPMENT**

- 135° MFH / 89° OALH 2-Stage Anti-Rattle Mast
- 40.0” Wide X 27.5” Deep Operator Platform
- 42.0” x 1.75” x 4.0” Standard Taper Pin Type Forks
- 12.0” x 5.5” Black Polyurethane Drive Tire
- 4.0” x 3.0” Articulating Tandem - High Load Compound Load Wheel
- 36.0” L x 13.5” W x 25.0” H Battery Compartment
- 175 Amp Red, Position B - 16” Lead Length Battery Connector
- 24 Volt AC Electrical System
- Standard Application / Environmental Construction
- 41” Outside Dimension (Base Width) Basearms
- UL Classification Type “E”
- Key Switch Start
- Return to Center Steering
- Ergonomically Advanced Multi-Function Control Handle with Rotational Adjustment and Single Speed Lift/Lower
- Electric Park Brake - Automatically Engaged / Foot Released
- Heavy Duty Pallet Clamp - Automatically Engaged / Foot Released
- AC Transistor Control
- AC Traction Motor
- Single Hydraulic Pump and Motor
- Controller Area Network (CANbus) Communications
- On Demand Electric Power Steering
- AC Steer Motor
- Auto Deceleration System (ADS) with Regenerative Braking
- Graphic LCD Multi-Function Smart Display with Back Lighting
  - Hour Meters; Truck, Traction and Hoist Pump
  - Bar Graphic Battery Discharge Indicator
  - Low Battery Lift Interrupt
  - Performance Mode Selection and Indication
  - LED Status Indicators with Symbols
  - 4 Operator Selectable, Programmable Performance Modes
  - User Passwords and Operator Logs with History
  - Steer Wheel Angle Graphic Indication
  - Truck Inspection Check List
  - Truck Speed Indication in MPH or KPH
- Cantilever Style Overhead Guard
- Wire Mesh Screen Operator Guard
- Amber LED Strobe - Continuous Operation with Key-on
- HySense Continuous Height Sensing
- Slack Chain Indication
- Shock Dampened Operator's Compartment Floor Mat
- Battery Power Disconnect Button
- Operator Convenience Station with Storage Areas, Trash Bin, Beverage & Clipboard Holders
- Full Body Harness and Operator Tether
- Battery Compartment Corrosive Resistant Steel Rollers
- Fixed Hoop Platform Side Rails
- Electric Horn
- Static Discharge Strap
- Operating Manual and Labels – English
- 12 Month / Unlimited Hours Full Truck Warranty
- 3 Years / 6,000 Hour Powertrain Warranty
- Lifetime Frame Warranty

**OPTIONAL EQUIPMENT**

- 175 Amp Gray, Position B - 16” Lead Length
- Battery Spacer Group
- Battery Stand
- Battery Puller
- Application / Environmental Construction
  - Cooler/Freezer Package - Operating Temperatures: 0° F to +120° F
  - SubZERO Freezer Package - Operating Temperatures Range: -20° to +120° F
- 48” Outside Dimension (Base Width) Basearms
- Safety Glass Shield
- Retractable Side Gates with Cushioning and Lift and Traction Cutout Interlock
- 6” Vertical Adjustable Operator Console
- Retractable Operator Tether with Full Body Harness or Medium Body Belt
- Heavy Duty Automatic Pallet Clamp with opening range from 1/2” to 6”
- Keyless - Toggle switch
- Various Mast Options Available
- 36” or 48” Long Standard Taper Pin Type Forks
- Lift Limit without Push Button Override
- Lift Limit with Push Button Override
- Lowering Limit With Push Button Override
- High Level Traction above 150” with Restricted Steer
- Drive Tire
  - Polyurethane - Red Diagonal Grooved (92 Durometer) Press-on
  - Polyurethane - Cream Vulkollan (94 Durometer) Press-on
- Various Guidance Systems
  - Side Guide Rollers
  - Wire Guidance
  - Line Driver
- Various Light Packages
  - Dome Light and 2 Speed Fan Package Mounted on Top of Overhead Guard
  - Dome Light, 2 Speed Fan and Halogen Glass Lens Spot Light Package
  - Dome Light, 2 Speed Fan and LED Plastic Lens Spot Light Package
  - 2 LED Plastic Lens Spot Lights Mounted Under Overhead Guard
- DC to DC Converter - 25 amps / 300 watts @ 12 volts
- Multi-Turn Steering
- Audible Alarms Self Adjusting B2-102 db(A)
  - Back-Up Alarm - Reverse Direction Activation
  - Motion Alarm - Forward and Reverse Direction Activation
  - Motion Alarm - Continuous Operation with Key-on
- 2 Speed Upper Body Fan - Console Mounted
- Parts Manual - Printed or CD
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**Mast Dimensions**

<table>
<thead>
<tr>
<th>Mast Performance</th>
<th>Maximum Fork Height (TOF)</th>
<th>Overall Lowered Height</th>
<th>Overall Extended Height</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>in. (mm)</td>
<td>in. (mm)</td>
<td>in. (mm)</td>
</tr>
<tr>
<td>2-Stage</td>
<td>139” (429)</td>
<td>98” (250)</td>
<td>223” (566)</td>
</tr>
<tr>
<td></td>
<td>147” (373)</td>
<td>95” (241)</td>
<td>234” (594)</td>
</tr>
<tr>
<td></td>
<td>167” (419)</td>
<td>101” (256)</td>
<td>252” (640)</td>
</tr>
<tr>
<td>3-Stage</td>
<td>191” (486)</td>
<td>89” (230)</td>
<td>282” (716)</td>
</tr>
<tr>
<td></td>
<td>213” (541)</td>
<td>95” (241)</td>
<td>300” (762)</td>
</tr>
<tr>
<td></td>
<td>228” (579)</td>
<td>101” (256)</td>
<td>313” (801)</td>
</tr>
<tr>
<td></td>
<td>240” (609)</td>
<td>103” (260)</td>
<td>327” (830)</td>
</tr>
</tbody>
</table>

*Capacity will be reduced with 228” and 240” Masts and 41” Outriggers. Refer to High Lift Sheets.

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