MANUAL ROTATOR/ TILTER
WITH DC3 DUAL VACUUM SYSTEM
MODEL: MRT411LDC3

This medium-duty rotator/tilter adapts to a variety of uses, adding productivity and reliability to construction sites or manufacturing plants.

WPG Bestseller!
Versatility, reliability and cord-free battery power make this one of WPG’s most popular lifters.

Intelli-Grip® Technology
Looking for better productivity and increased safety? Count on reliable monitoring of power and vacuum systems with Intelli-Grip® — available exclusively from WPG!

Multiple Configurations
Adjust the pad frame 7 different ways to get a grip on a wide variety of load sizes and shapes.

Dual Vacuum System
Handle loads with the added safeguard of two independent air-line circuits.
**Model**  
MRT411LDC3

**Maximum Load Capacity**  
700 lbs [320 kg]

**Standard Pad Spread**  
28-1/4" x 32-3/4" [72 cm x 83 cm] (basic configuration)  
48-1/4" x 67-1/2" [123 cm x 172 cm] (extended configuration)  
78-1/4" x 15-3/4" [199 cm x 40 cm] (linear configuration)

**Number/Size of Pads**  
4 / 11" [28 cm] dia. lipped

**Load Movement**  
Manual rotation, 360° edgewise, with locking at each 1/4 turn  
Manual tilt, 90° between upright and flat, with automatic latching in upright position

**Standard Operating Power**  
12 volts DC, 5 amps

**Lifter Weight**  
125 lbs [57 kg]

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**STANDARD FEATURES**

**Intelli-Grip® Technology**  
Available exclusively from Powr-Grip®! Actively monitors power and vacuum systems to increase safety and productivity, using LCD-screen messages, diagnostic codes and other features

**Dual Vacuum System**  
Features two independent air-line circuits to reduce risk of workplace accidents

**High-Flow Vacuum Pump**  
Enables a vacuum lifter to attach and release more rapidly, increasing productivity on the job

**Battery and Charger**  
Provide independent, rechargeable power source for cord-free lifter operation in any location; on-board charger features status indicator and automatic shut-off

**Battery Gauge**  
Shows energy level in real time, to help determine when charging is needed

**Notification Buzzer and Strobe Light**  
Alert operator of problems with power or vacuum system, with various patterns of sound and light to indicate severity; back-up battery provides independent power for buzzer

**Green Lift Light**  
Provides visual assurance to know when vacuum is sufficient for lifting

**Vacuum Gauges**  
Feature green and red zones to clearly indicate whether vacuum levels are sufficient for lifting

**Vacuum Line Filters**  
Prevent liquid and other contaminants from damaging the vacuum generating system

**Vacuum Reserve Tanks**  
Increase battery run-time by reducing pump cycles needed to maintain vacuum

**Spring-Mounted Vacuum Pads**  
Automatically adjust to match the angle of load surfaces, easing attachment

**Movable Pad Mounts**  
Allow vacuum pads to be moved without tools, adapting the lifter to various load sizes

**Extension Arms**  
Permit multiple lifter configurations for tool-free adaptation to many different load sizes

**Two-Action, Blow-Off Release**  
Uses two separate buttons to avoid accidental release, and reverses airflow to quickly release loads without after-stick
**AVAILABLE OPTIONS**

**Remote Control System (59906)**
Controls attach, release and other powered functions up to 250’ [76 m] away for installing windows and more in multi-story buildings.

**Forklift Adapter (95722)**
Works with telehandlers on construction sites and forklifts in warehouses or wherever a crane is not practical.

**Adaptable Length Lift Bar (95723)**
Helps install windows under eaves or overhangs by reducing need for overhead clearance and extending horizontal reach.

**Long Extension Arms (95725)**
Provide necessary support and rigidity to handle large-dimension loads with less risk to the overhanging portion (sold per arm - 4 required).

**Individual Pad Shutoffs (93011)**
Enable lifter to handle various load sizes and shapes by shutting off airflow from specific vacuum pads.

**Adjustable Spacers for Movable Pad Mounts (93101 & 93101AM)**
Allow lifter to handle windows with mullions or other loads with surface obstructions.

**Pad Frame T-Arm Assemblies (97466)**
Adapt lifter for convenient handling of insulated metal panels or other loads with textured surfaces (sold in pairs).

**Alternative Pad Compounds**
Specially designed for heat resistance, marking resistance, coated surfaces and other purposes.

**Shipping Case (53006)**
Provides protection for storing and shipping the lifter.

**DESIGN STANDARDS**

**ASME B30.20 (BTH-1 Design Category "B", Service Class "0")**: Industry standards established by the American Society of Mechanical Engineers (ASME) and published by the American National Standards Institute (ANSI)

**CE**: Regulatory standards for health and safety required in the European Union

**AS 4991**: Regulatory standard required in Australia

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**SHIPPING CASE FOR MRT VACUUM LIFTER**
Specially designed case protects your lifter during shipping and storage.

- Thermo-formed polymer makes case durable and water-resistant.
- Interior straps hold lifter firmly in place.
- Exterior straps keep case securely closed.
- Built-in handles facilitate manual handling.
- Case design enables stacking and forklift handling.

Exterior Dimensions: 44-1/4” wide x 67-3/8” long x 24-1/2” deep
[112.4 cm x 171.4 cm x 62.2 cm]

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**LONG EXTENSION ARMS**
Enable your lifter to handle larger load dimensions by increasing pad spread and reducing overhang.

<table>
<thead>
<tr>
<th>Maximum Load Capacity</th>
<th>500 lbs [225 kg] (with long arms installed)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifter Weight Increase</td>
<td>10 lbs [5 kg]</td>
</tr>
</tbody>
</table>

**Pad Spread Dimensions provided are for MRT411LDC.**
For MRT49DC, subtract 2-3/4” [7 cm]
For MRT4HV11DC, subtract 1-3/4” [5 cm]
ADAPTABLE LENGTH LIFT BAR

Helps you to install glass and other materials under eaves or overhangs by reducing the need for overhead clearance and extending the lifter's reach.

<table>
<thead>
<tr>
<th>Overhead Clearance Reduction</th>
<th>11” [27.9 cm] with Shortened Configurations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal Reach Increase</td>
<td>7-5/8” [19.3 cm] with Reversed Bail Configurations</td>
</tr>
<tr>
<td>Maximum Load Capacity*</td>
<td></td>
</tr>
<tr>
<td>Standard Configuration:</td>
<td>700 lbs [320 kg]</td>
</tr>
<tr>
<td>Reversed Bail Configuration:</td>
<td>600 lbs [270 kg]</td>
</tr>
<tr>
<td>Shortened Configuration:</td>
<td>650 lbs [295 kg]</td>
</tr>
<tr>
<td>Shortened, Reversed Bail Configuration:</td>
<td>500 lbs [225 kg]</td>
</tr>
<tr>
<td>Lifter Weight Increase</td>
<td>10 lbs [5 kg]</td>
</tr>
</tbody>
</table>

*Net capacity cannot exceed standard lifter capacity.

FORKLIFT ADAPTER

Enables your telehandler to install windows under eaves or gables, while eliminating the need for a construction site crane. Also great for forklifts in warehouses or anywhere a crane is not practical.

<table>
<thead>
<tr>
<th>Compatible Fork Dimensions</th>
<th>1-1/2”—2-1/4” [3.9 cm — 5.7 cm] thick and 4”—6” [10.2 cm — 15.2 cm] wide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inside Fork Spread</td>
<td>4” [10.2 cm]</td>
</tr>
<tr>
<td>Maximum Load Capacity</td>
<td>700 lbs [320 kg] when used on MRT411LDC*</td>
</tr>
<tr>
<td>Maximum Load Thickness</td>
<td>1” [2.5 cm] at full capacity</td>
</tr>
<tr>
<td>Lifter Weight Increase</td>
<td>130 lbs [59 kg]</td>
</tr>
</tbody>
</table>

* Forklift must have capacity for the weight of the lifter and its maximum load, when the load is:
  • 8-3/4” [22.2 cm] outward from the fork tips, or;
  • 50-3/4” [128.9 cm] outward from the fork stops (whichever places the load further from the forklift's front wheels).