

# 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<sup>®</sup> Technology

Looking for better productivity and increased safety? Count on reliable monitoring of power and vacuum systems with Intelli-Grip<sup>®</sup> – 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

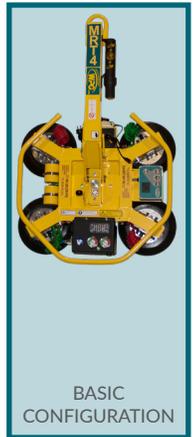
Handle loads with the added safeguard of two independent air-line circuits.



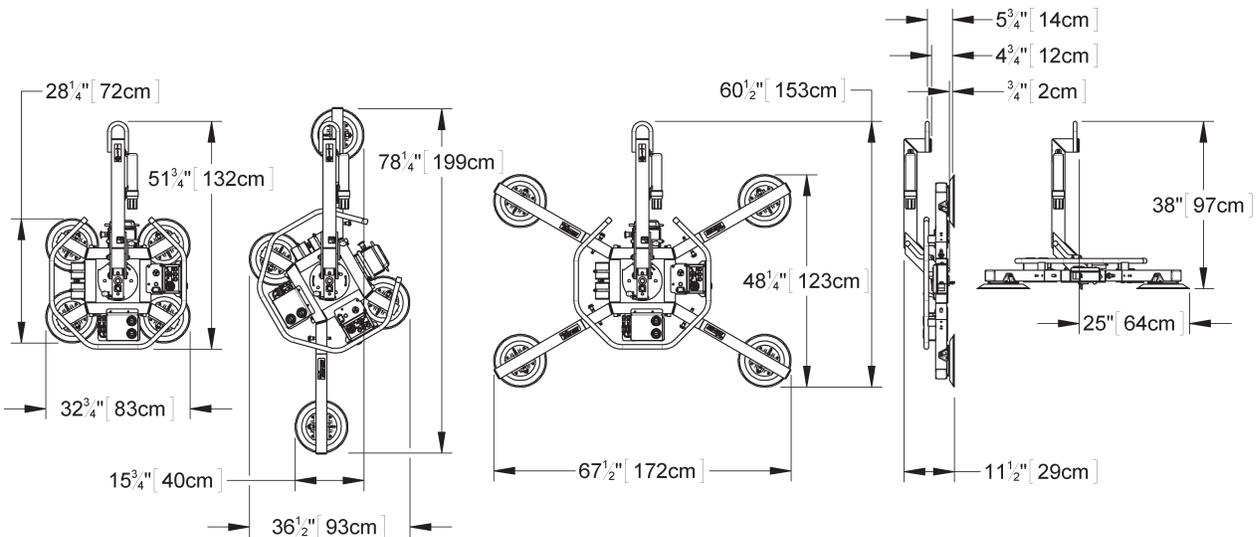
EXTENDED CONFIGURATION

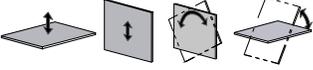


LINEAR CONFIGURATION



BASIC CONFIGURATION



<b>Model</b>	MRT411LDC3
<b>Maximum Load Capacity</b>	700 lbs [320 kg]
<b>Standard Pad Spread</b>	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)
<b>Number/Size of Pads</b>	4 / 11" [28 cm] dia. lipped
<b>Load Movement</b>	Manual rotation, 360° edgewise, with locking at each 1/4 turn Manual tilt, 90° between upright and flat, with automatic latching in upright position 
<b>Standard Operating Power</b>	12 volts DC, 5.5 amps
<b>Lifter Weight</b>	125 lbs [57 kg]

## 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



## 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]

## LONG EXTENSION ARMS

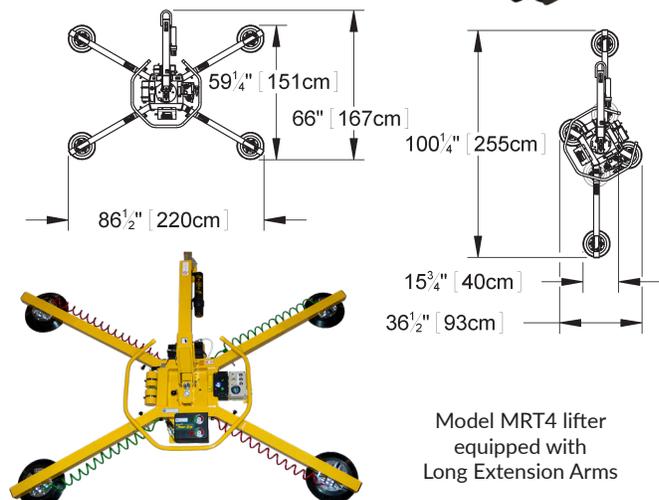
Enable your lifter to handle larger load dimensions by increasing pad spread and reducing overhang.

<b>Maximum Load Capacity</b>	500 lbs [225 kg] (with long arms installed)
<b>Lifter Weight Increase</b>	10 lbs [5 kg]

**Pad Spread Dimensions provided are for MRT411LDC.**

For MRT49DC, subtract 2-3/4" [7 cm]

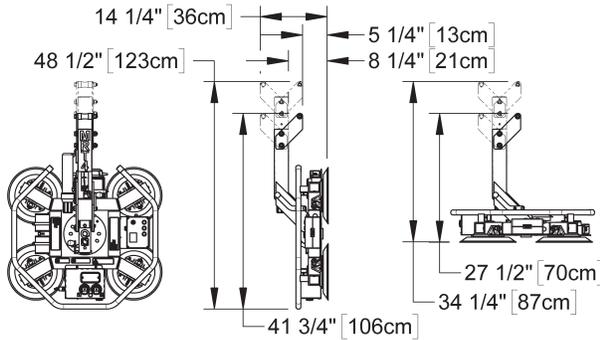
For MRT4HV11DC, subtract 1-3/4" [5 cm]



Model MRT4 lifter equipped with Long Extension Arms

# ADAPTABLE LENGTH LIFT BAR

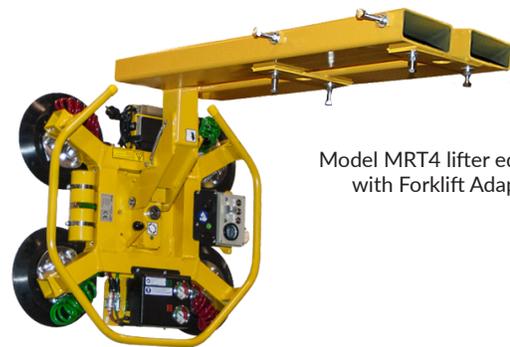
Helps you to install glass and other materials under eaves or overhangs by reducing the need for overhead clearance and extending the lifter's reach.



<b>Overhead Clearance Reduction</b>	6-3/4" [17 cm] with short configurations			
<b>Horizontal Reach Increase</b>	7-3/4" [20 cm] with reversed configurations			
<b>Maximum Load Capacity*</b>	with Long Configuration (standard)	with Long Reversed Configuration	with Short Configuration	with Short Reversed Configuration
	700 lbs [320 kg]	600 lbs [270 kg]	650 lbs [295 kg]	500 lbs [225 kg]
*Net capacity cannot exceed standard lifter capacity.				
<b>Lifter Weight Increase</b>	10 lbs [5 kg]			

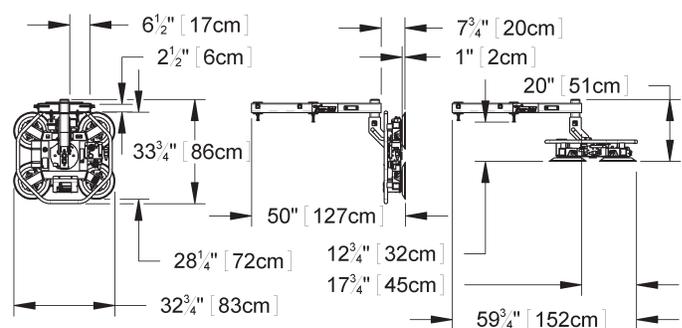
# FORKLIFT ADAPTER

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.



Model MRT4 lifter equipped with Forklift Adapter.

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



- \* 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).



Based on product information at time of publication. Environmental conditions can affect product performance and longevity; consult the product instructions on WPG.com or contact a Technical Sales Representative for more information.