

SPECIFICATIONS

Model Number:	MRTA611LDC		
Description:	Designed for use with a crane or other hoisting equipment, the MRTA611LDC lifter employs vacuum to hold a load for lifting, and it provides manual 360° rotation and mechanically assisted, manual 90° tilt movements for load manipulation.		
Power Source:	12 volts DC, 10 amps		
Battery Capacity:	7 amp-hours		
Vacuum Pads:	Six 11" [28 cm] nominal diameter, lipped (Model G3370), 55 durometer natural-polybutadiene rubber, spring-mounted (¼" [7 mm] travel), with #60 filter screen		
Pad Spread:¹	Minimum (to outer edges)		
Length:	46¾" [1188 mm]	Maximum	104½" [2656 mm]
Width:	12½" [317 mm]		58¾" [1491 mm]
Load Capacity:¹	(rated at 16" Hg [-54 kPa] on clean, smooth, nonporous flat surfaces ²)		
Per-Pad:	184 lbs [83.5 kg]		
Maximum:	1100 lbs [500 kg]		
Lifter Weight:	188 lbs [86 kg]		
Tilt Capability:	Manual, 90°, with four-bar tilt linkage that minimizes operator effort and automatically holds a correctly attached load in the upright or flat position.		
Rotation Capability:	Manual, 360°, with automatic latching (when desired).		
Vacuum Pump:	Diaphragm type, 1 SCFM [28 liters/minute] nominal airflow		
Dual Vacuum System:	Two vacuum system circuits allow the lifter to maintain the vacuum level in one circuit even if an unexpected vacuum loss occurs in the other one (eg, due to load breakage).		
Vacuum Reserve Tanks:	Two vacuum reservoirs help prevent immediate vacuum loss in case of power failure and extend battery life by reducing pump cycles required to maintain vacuum.		
Vacuum Gauges:	Two dial gauges indicate current vacuum level in positive inches of Hg and negative kPa.		
Low Vacuum Warning Light and Buzzer:	Red light and audio buzzer are energized until vacuum level is sufficient to lift maximum load weight (higher than 16" Hg [-54 kPa]) and whenever vacuum loss causes pump to re-engage. See appendix for warning buzzer instructions.		
Options:	<i>Available</i> with Model LB8TLO - Tilt Locks. When engaged, this option ensures that the upright or flat orientation of the load is not compromised by accidental or unexpected forces. See appendix for instructions about other options.		
Operating Elevation:	Maximum = 6000 feet [1828 meters]		
Operating Temperatures:	15° to 105° F [-9° to 40° C]		
Service Life:	This lifter is designed to have a service life of at least 20,000 lifting cycles, when used and maintained as intended. Vacuum pads, filter elements and other wear-out items are excluded; see MAINTENANCE and REPLACEMENT PARTS LIST for more information.		
ASME Standard BTH-1:	Design Category "B", Service Class "0" (see www.powrgrip.com for more information)		
Wiring Diagram:	The following wiring diagrams are attached for reference in servicing the lifter or trouble-shooting a deficiency: 705E-W01 [E-W01] , 705E-W01 [E-W02]		

CE Note: This symbol appears in the *INSTRUCTIONS* manual only when requirements of a CE Standard are *different* from requirements of other standards that also apply to this vacuum lifter. CE requirements are mandatory in geographical areas where CE Standards apply, but may be optional in other locations.

¹ For a complete listing of Pad Spread and Maximum Load Capacity for each pad frame configuration, see the illustration under ASSEMBLY: TO CHANGE THE PAD FRAME CONFIGURATION.

² Load Capacity is based on a friction coefficient of 1; see MAINTENANCE: VACUUM PAD MAINTENANCE: Friction Coefficient for additional information.