

FLEX SERIES FLAT LIFTERS

MODELS: FLEX210L, FLEX310L, FLEX410L, FLEXR410L, FLEX510L AND FLEXR610L

Flexibility and affordability come together to make this Powr-Grip flat lifter an attractive choice for sheet metal and plate metal handling.

Movable Pad Mounts

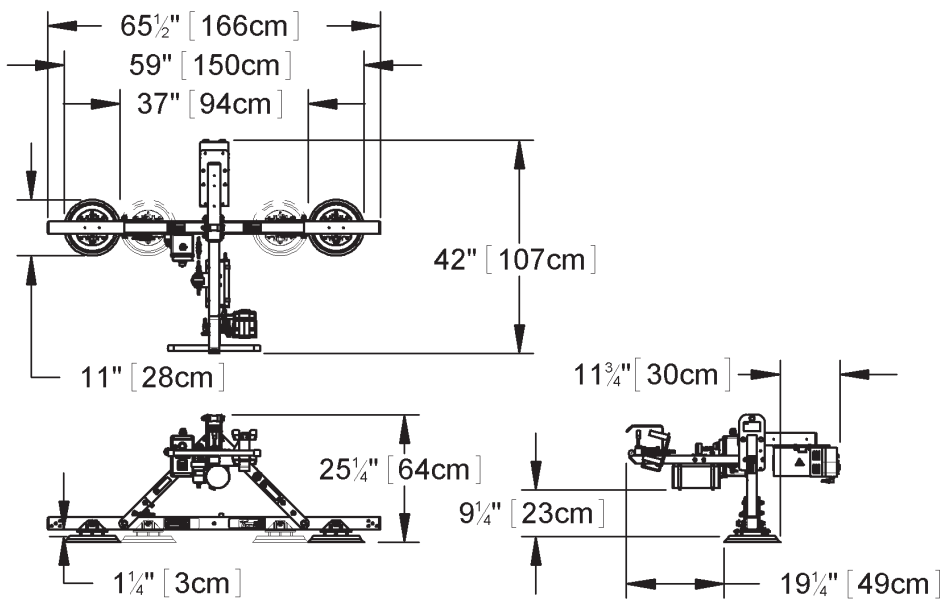
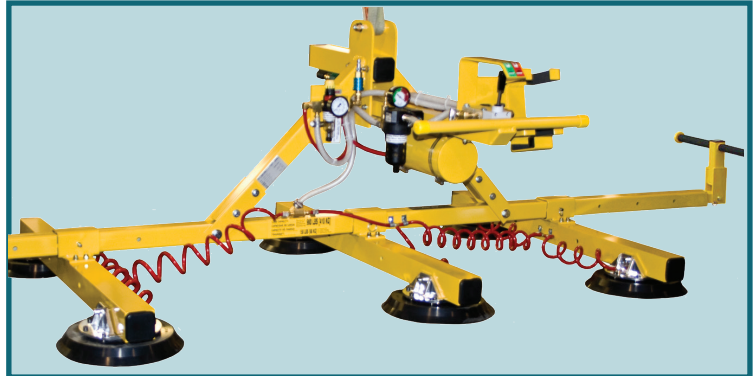
Allow vacuum pads to be repositioned at various points along the pad frame, enabling the lifter to handle loads of many shapes and sizes.

Pick Your Power!

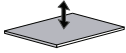
AC, DC or compressed-air systems are available to suit any work environment.

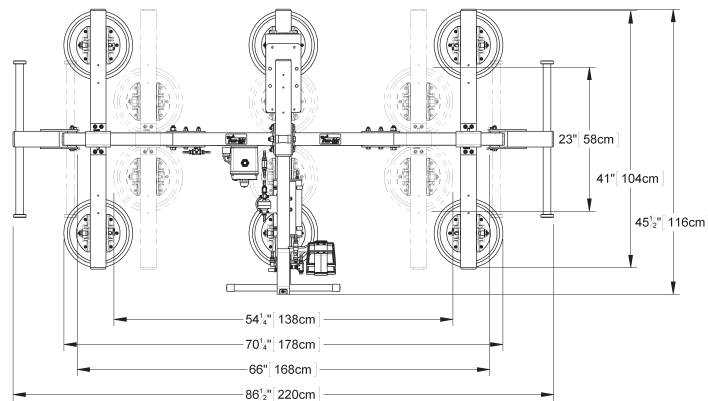
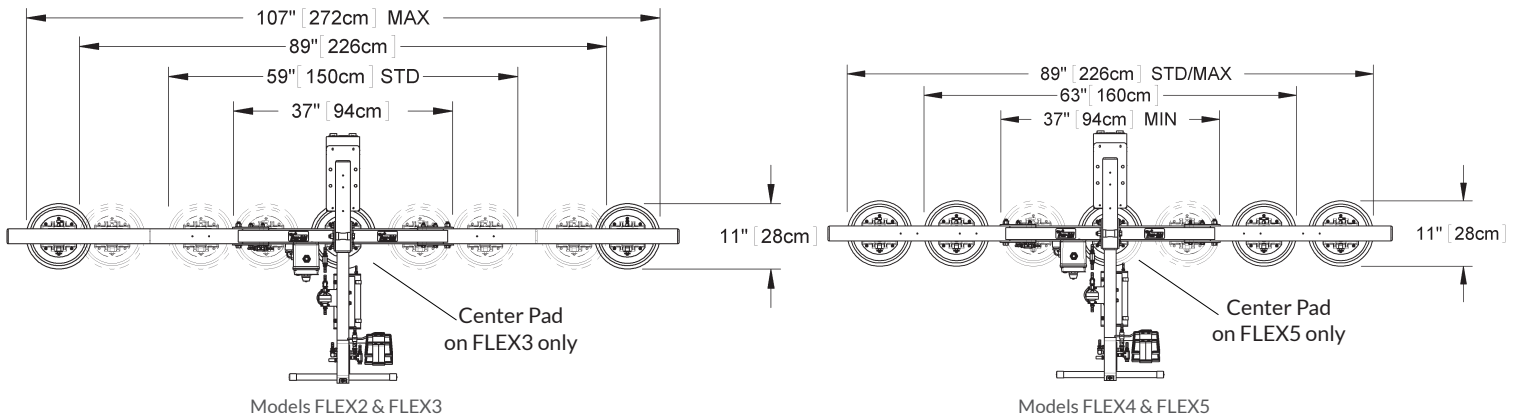
Customize With Options

Choose a different pad material or pad-mount style to meet more load-handling challenges. Add a battery-powered back-up system and/or a warning buzzer to enhance safety in tough environments. See the full list inside!



FLEX2 model shown here

Models	FLEX210L FLEX310L FLEX410L	FLEX510L FLEXR410L FLEXR610L		
Maximum Load Capacity	FLEX210L - 600 lbs [270 kg] FLEX310L - 900 lbs [410 kg] FLEX410L - 1200 lbs [545 kg]	FLEX510L - 1500 lbs [680 kg] FLEXR410L - 1200 lbs [545 kg] FLEXR610L - 1500 lbs [680 kg]		
Load Movement	Flat to flat 			
Standard Operating Power	AC power system (FLEX-10LAC) DC power system (FLEX-10LDC) Air (venturi) power system (FLEX-10LAIR) see Available Power Systems (next page) for details			
Standard Pad Spread	FLEX210L - Min.: 11" x 37" [28 cm x 94 cm] FLEX310L - Min.: 11" x 37" [28 cm x 94 cm] FLEX410L - Min.: 11" x 63" [28 cm x 160 cm] FLEX510L - Min.: 11" x 63" [28 cm x 160 cm] FLEXR410L - Min.: 23" x 54-1/4" [58 cm x 138 cm] FLEXR610L - Min.: 23" x 54-1/4" [58 cm x 138 cm]	Max.: 11" x 107" [28 cm x 272 cm] Max.: 11" x 107" [28 cm x 272 cm] Max.: 11" x 89" [28 cm x 226 cm] Max.: 11" x 89" [28 cm x 226 cm] Max.: 41" x 70-1/4" [104 cm x 178 cm] Max.: 41" x 70-1/4" [104 cm x 178 cm]		
Number/Size of Pads	FLEX210L - 2 / 10" [25 cm] dia. lipped FLEX310L - 3 / 10" [25 cm] dia. lipped FLEX410L - 4 / 10" [25 cm] dia. lipped	FLEX510L - 5 / 10" [25 cm] dia. lipped FLEXR410L - 4 / 10" [25 cm] dia. lipped FLEXR610L - 6 / 10" [25 cm] dia. lipped (not for use with materials thinner than 1/4" [6.35 mm])		
Lifter Weights (Approximate)	MODEL	AIR POWER	AC POWER	DC POWER
	FLEX210L	70 lbs [32 kg]	110 lbs [50 kg]	130 lbs [59 kg]
	FLEX310L	75 lbs [34 kg]	115 lbs [53 kg]	135 lbs [62 kg]
	FLEX410L	80 lbs [37 kg]	120 lbs [55 kg]	140 lbs [64 kg]
	FLEX510L	85 lbs [39 kg]	125 lbs [57 kg]	145 lbs [66 kg]
	FLEXR410L	100 lbs [46 kg]	140 lbs [64 kg]	160 lbs [73 kg]
FLEXR610L	125 lbs [57 kg]	165 lbs [75 kg]	185 lbs [84 kg]	

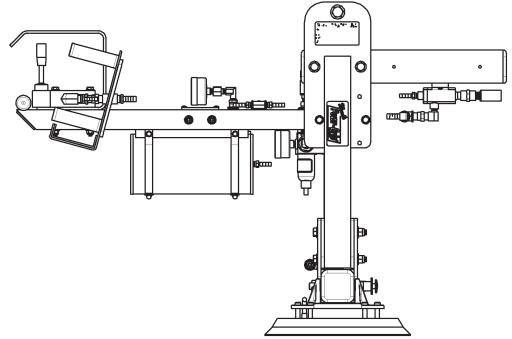


Models FLEXR4 & FLEXR6

AVAILABLE POWER SYSTEMS

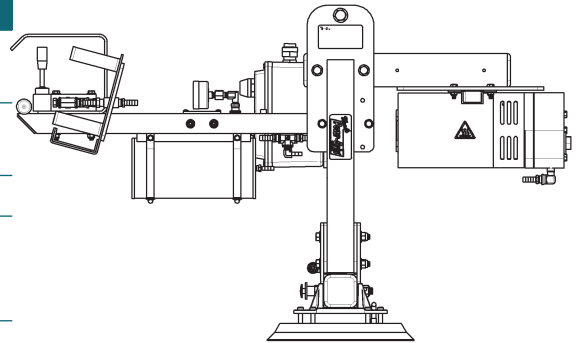
AIR POWER SYSTEMS

Standard Operating Power	Compressed Air, 5 SCFM [142 liters/min] @ 80-150 psi [550-1035 kPa]
Vacuum Pump	Single-stage venturi type, 3 SCFM [85 liters/min] nominal airflow
Apply / Release Times	4 seconds (approx.)* / 2 second (approx.)*
Standard Feature	Blow-off for quick release
OPTIONAL HIGH-FLOW POWER SYSTEM	
Operating Power	Compressed Air, 8 SCFM [227 liters/min] @ 80-150 psi [550-1035 kPa]
Vacuum Pump	Single-stage venturi type, 4 SCFM [113 liters/min] nominal airflow
Apply / Release Times	2 second (approx.)* / 2 second (approx.)*
Standard Feature	Blow-off for quick release



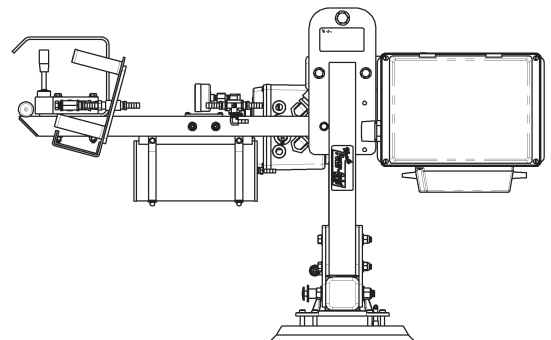
AC POWER SYSTEM

Standard Operating Power	120 volts AC, 50/60 hertz, 6 amps (240 volts AC, 50/60 hertz, 3 amps also available)
Vacuum Pump	Rotary vane type, 4 SCFM [113 liters/min] nominal airflow
Apply / Release Times	2 second (approx.)* / 4 seconds (approx.)*
Standard Features	Green lift light Twist-lock electrical plug Blow-off for quick release



DC POWER SYSTEM

Standard Operating Power	12 volts DC, 26 amps
Vacuum Pump	Diaphragm type, 3 SCFM [85 liters/min] nominal airflow
Apply / Release Times	4 seconds (approx.)* / 4 seconds (approx.)*
Standard Features	Battery and charger Battery energy gauge Low vacuum warning light Blow-off for quick release



* Approximate times are based on FLEX510L lifter.

STANDARD FEATURES

Movable Pad Mounts

Allow vacuum pads to be moved without tools, adapting the lifter to various load sizes

Vacuum Gauge

Features green and red zones to clearly indicate whether vacuum levels is sufficient for lifting

Vacuum Line Filter

Prevents liquid and other contaminants from damaging the vacuum generating system

Vacuum Reserve Tank

Reduces attachment time and extends time for supporting loads during a power outage (AC and air-powered lifters);
Increases battery run-time by reducing pump cycles needed to maintain vacuum (DC lifters)

Spring-Mounted Vacuum Pads

Automatically adjust to match the angle of load surfaces, easing attachment

AVAILABLE OPTIONS

12-Volt/DC Vacuum Back-Up System (93756BM)

Employs battery-powered auxiliary pump to automatically maintain vacuum during a power outage

Individual Pad Shutoffs (93011)

Enable lifter to handle various load sizes and shapes by shutting off airflow from specific vacuum pads

Vacuum Loss Warning Buzzer (93780AM)

Uses advanced logic circuitry to monitor vacuum level and sound an alarm only when insufficient vacuum could be hazardous

Sliding (Adjustable) Pad Mounts

Accommodate various load sizes by sliding to different locations on the pad frame. "Adjustable" mounts include infinitely variable positioning

Spring-Shaft Pad Mounts (93116)

Employ a spring-loaded suspension to reduce shocks and stress on sheet metal and other loads that tend to flex

Sliding (Adjustable) Spring-Shaft Pad Mounts

Combine the advantages of Sliding (Adjustable) Pad Mounts and Spring-Shaft Pad Mounts

Adjustable Spacers for Movable Pad Mounts (93101 & 93101AM)

Enable lifters to handle windows with mullions or other loads with surface obstructions

Voltage Adaptation

Enables lifters to operate using AC voltages best suited to specific uses and geographical areas

Parking Stands/Control Handles (standard on FLEXR models)

Allow precise orientation of loads in motion and protect vacuum pads from distortion or damage when lifter is not in use

Alternative Vacuum Pads

Adapt lifter to specialized uses, including:

10" [25 cm] diameter, concave pad (G0750) for handling curved loads

11" [28 cm] diameter, lipped pad (G3370) for handling rigid, flat loads

(Specifications not as previously listed. Please contact us for more information)

Alternative Pad Frame Dimensions and Configurations

Enable lifter to handle additional load sizes and shapes

Alternative Pad Compounds

Specially designed for heat resistance, marking resistance, oily surfaces and other purposes

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)