



# HERCULES®

Renowned, resilient doors. By Kingspan

VERTICAL LIFT DOORS

TECHNICAL SPECIFICATIONS

# VERTICAL LIFT DOORS

EVL/MVL



The Hercules Vertical Lift Door is ideal in applications where there is minimum side room or when several door openings are close together as with warehouse loading docks.

All vertical lift doors are available for both cooler and freezer applications and for interior or exterior use. The Hercules Vertical Lift Door is also available with both electric (EVL) and manual operation (MVL).

### Design Features

- 5 year limited warranty
- Custom counterweight made to match the weight of each individual door
- Every electric door is bench tested before shipping
- Durability and safety are ensured by use of NEMA-4 control box

- Heavy duty hardware and tracks are built for long lasting usage.
- Bearings are sealed in grease and require no further lubrication. Maintenance is low and consists of light machine oil on easy to remove drive chain and track.
- Pneumatic safety device along the entire length of the bottom of the door stops and reverses the door to fully open position if any obstruction is encountered while closing

### Material Specifications

(Custom design available)

Height: 7' 8' 10' 12' 14'

Width: 5' 6' 8' 10'

Thickness: 4" 6"

R-Value: 33 49

Insulation: Class 1 foamed in place Modified Polyisocyanurate

Door Panel: Interior frame consists of high density plastic lumber clad with the specified metal; the core is injected with foamed-in-place modified polyisocyanurate. All seams are sealed.

Vertical casings & header:

High density plastic lumber clad with the specified metal

Metal:

24, 26 gauge stucco embossed, painted galvanized steel.

Hardware:

Heavy duty hardware and track coated for corrosion resistance, including:

- Heavy duty J-type track on both sides of door
- Lift points on both sides of door connected to single counterweight
- Manual disconnects on front and back of door with concealed release

**Gaskets:** Cloth reinforced neoprene gaskets bulb type gaskets on vertical casings, header, and bottom of door

**Safety Edge:** Full height pneumatic instant reversing safety edge on bottom of door panel

**Defrost:** Freezer doors equipped with 120 volt perimeter cables to keep gaskets frost free

**Operation:** Manual, Electric

### Options

- Stucco embossed aluminum cladding
- Stainless steel cladding
- White F.R.P. with stainless trim
- Freezer door with 120 V perimeter heater cable
- 12¾" x 12¾" insulated or heated vision panel
- Rain hood
- Kickplates
- Locking devices
- Inside casings
- Meat rail construction
- Standard or high speed operator
- Radio control open/close
- Photo cell open/close/safety
- Motion detector open/close/safety
- Loop detector open/close/safety
- Time delay close
- Closing signal warning control
- Partial opening pedestrian control
- Electric interlock
- Pedestrian pass door
- Heated control panel
- Custom designed doors to meet your individual needs

### Hercules Power Operator UL Listed

- Operator listed under UL standard 508A for industrial control panels
- Brushless DC motor system provides necessary power in compact package
- NEMA-4 control box with adaptive controller
- Pneumatic instant reversing safety edge
- External wiring enclosed in waterproof flexible conduit
- Calibration to any door size with external battery backup
- Roller drive chain incorporating special link for manual disconnect

### Operating Speed

#### Standard Operator

The standard operating speed of a roller chain drive operator with 1725 RPM electric motor and standard gear drive is 12" per second per door panel. To increase the opening or closing speed the following operator is available.

#### Dual-Speed Operator

1 hp instant reversing electric motor with 1725/1140 RPM with a standard operating speed of 24" per second opening and 12" per second closing with standard gear drive.

### Operator Electric Requirements

Operator Voltage	Starting Amp Draw	Running Amp Draw
<b>Standard Speed</b>		
115 VAC	22.0 A	7.4 A
208 VAC	11.5 A	3.9 A
230 VAC	11.0 A	3.7 A
460 VAC	5.5 A	1.5 A
575 VAC	4.0 A	1.0 A
<b>Dual Speed</b>		
230 VAC	24.0 A	3.8 A
460 VAC	12.0 A	1.9 A







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