



KEY FEATURES

- Single-Panel Fully Welded Steel Hydraulic Doors
- Operated Using 2 (Two) Hydraulic Cylinders and Power Unit (Included)
- Custom Built to Fit the Project
- Hidden Cylinder Design - Only Available from PowerLift!

KEY BENEFITS

- **Minimal Headroom Loss**
- **Maintenance-Free Hinges** on Doors Smaller Than 80' x 24'
- **Single-Source Local Accountability** for Manufacture, Delivery, Installation, and Service of Each Door
- Typical Open/Close Times:
Open: 30-45 Seconds
Close: Under 30 Seconds

CONTACT INFORMATION

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Summary

PowerLift Hydraulic Doors are single-panel, fully welded steel, hydraulically operated doors that can be insulated using fiberglass batting or spray foam and clad inside and out with anything that attaches to steel including glass, sheet metal, stucco, wood, and more.

PowerLift Doors open and close quickly and require minimal clear opening loss from the structure's rough opening (typically 5" from height and 6" total from width, 3" per side). PowerLift doors can be designed for any location's design wind load and cladding weight.

Each Door is Custom Built

Each PowerLift Door is custom built to 1/8" to fit the finished building opening, not pre-set sizes. Each door is designed to withstand local design wind loads and anticipated cladding and insulation weights.

Single-Panel Fully Welded Hydraulic Doors

PowerLift Doors are fully welded, single panel hydraulic doors (not bolt-together).

Minimal Headroom Loss

Most PowerLift Doors require 5 inches of height and 6 inches of total width (3 inches per side) from your building's rough opening dimensions. PowerLift also offers an "outside mount" style of door with no loss of clear height or clear width.

Single-Source Local Accountability

With over 40 PowerLift Door manufacturing locations that each manufacture, deliver, install, and service their own doors, most customers will have a PowerLift Doors location within hours, if not minutes.



INSTALLATION, TRIM, AND SHEETING ANIMATIONS

- [Wood Building, Inside Mount](#)
- [Wood Building, Outside Mount](#)
- [Steel Building, Inside Mount](#)
- [Steel Building, Outside Mount](#)
- [Trim and Sheeting Guide](#)
- [Wood Building Opening Expansion Guide](#)

TECHNICAL RESOURCES

- [PowerLift 3-Part Product MasterSpec](#)
- [PowerLift BIM Files](#)
- [PowerLift Installation Detail Drawings](#)

Power Unit Requirements

Minimum Door Size (Clear Opening Width x Height, ft)	Maximum Door Size (Clear Opening Width x Height, ft)	Door Type	Power Unit Horsepower	Power Unit Input Voltage Required	Power Unit Amperage Required (Breaker Size)
4 x 4	30 x 12	Hidden Cylinder	1	120VAC, Single Phase	20
4 x 4	16 x 8	Exposed Cylinder	1	120VAC, Single Phase	20
4 x 8	60 x 16	Exposed Cylinder	3	230VAC, Single Phase	30
4 x 18	60 x 20	Exposed Cylinder	5	230VAC, Single Phase	40
4 x 18	60 x 20	Exposed Cylinder	5	230VAC, Three Phase	40
4 x 18	60 x 20	Exposed Cylinder	5	460VAC, Three Phase	20
4 x 22	80 x 22	Exposed Cylinder	10	230VAC, Single Phase	70
60 x 22	90 x 24 / 80 x 26	Exposed Cylinder	10	230VAC, Three Phase	70
60 x 22	90 x 24 / 80 x 26	Exposed Cylinder	10	460VAC, Three Phase	70
92 x 24	130 x 26	Exposed Cylinder	15	230VAC, Three Phase	110
20 x 28	130 x 30	Exposed Cylinder	20	230VAC, Three Phase	140
20 x 28	130 x 30	Exposed Cylinder	20	460VAC, Three Phase	70

*Best estimates assuming most common cladding and insulation. Power unit size is dependent on combination of door size, cladding, and insulation. Please contact PowerLift Hydraulic Doors to discuss your specific project requirements.

Wood Building Jamb and Header Minimum Requirements

Width	Height	10	12	14	16	18	20
20	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10
22	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10
24	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	5 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10
26	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	5 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10
28	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10
30	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10
32	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10
34	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10
36	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10
38	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	4 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10
40	4 Ply 2x8	4 Ply 2x8	5 Ply 2x8	5 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10
42	4 Ply 2x8	4 Ply 2x8	5 Ply 2x8	5 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10
44	4 Ply 2x8	4 Ply 2x8	5 Ply 2x8	5 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10
46	4 Ply 2x8	4 Ply 2x8	5 Ply 2x8	5 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10
48	4 Ply 2x8	5 Ply 2x8	5 Ply 2x8	5 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10
50	4 Ply 2x8	5 Ply 2x8	5 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10
52	4 Ply 2x8	5 Ply 2x8	5 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10
54	4 Ply 2x8	5 Ply 2x8	5 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10
56	5 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10
58	5 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10
60	5 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10	5 Ply 2x10
62	5 Ply 2x8	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10	5 Ply 2x10	
64	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10	5 Ply 2x10		
66	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10	5 Ply 2x10		
68	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10			
70	5 Ply 2x8	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10	5 Ply 2x10			
72	5 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10	5 Ply 2x10			
74	5 Ply 2x8 or 4 Ply 2x10	6 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10	5 Ply 2x10			
76	5 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10	5 Ply 2x10				
78	5 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10	5 Ply 2x10				
80	5 Ply 2x8 or 4 Ply 2x10	5 Ply 2x10	5 Ply 2x10				

*All jamb post plies assumed to be glued and screwed construction. **Please contact your closest PowerLift location to verify your proposed jamb and header configurations are acceptable PRIOR to construction.** Building structural engineer to confirm jambs and posts can accommodate loads imposed by PowerLift door system. These are minimum recommendations only and may not necessarily be structurally sufficient depending on actual imposed building loads provided by the PowerLift door system. PowerLift Doors is not responsible for specifying building components (e.g. building jamb and header). Larger door sizes in wood buildings may be possible. For PowerLift Door installations on building side walls, significant header structure is likely needed to carry the associated building roof load. Please contact PowerLift doors for more information.