

PVE30

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PVE30 FACT SHEET

As the world's smallest home elevator, the **PVE30** has quickly found its place as the ultimate space-saving solution for any home. If you are in need of a home lift, but are limited in space, the Single-Passenger Residential Elevator is the perfect solution for you.

Single -Passenger Home Elevator

The PVE30 is the smallest home elevator in the world, yet it is just as capable as other residential elevators that are much larger and much more expensive.

The PVE30 elevator has a 350lb (159kg) lift capacity and is capable of up to 50 ft. (15m) of rise over as many as five stops.

With a 30 inch outside diameter, these home elevators are small enough to fit in even the most modest-sized home.

If you thought home elevators were out of reach for you because of size constraints, this is the solution you have been looking for.



Precision Engineering

Just because it is small doesn't mean these residential elevators are any less capable or any less quality-made. It is manufactured from polycarbonate and aluminum, making it one of the best home elevators on the market today. Place your confidence in our **PVE30** residential elevators and you won't be disappointed.

Eco-Friendly Home Elevators

All that is needed to power this mighty elevator is 220V, 25 Amp, single phase service. This is roughly the same as what your washer and dryer use.

If the power goes out in your home, you will not get stuck in the elevator. The safety system is designed to automatically switch to a slow descent when the power goes out, and mechanical brakes engage if the elevator ever begins to free fall after a couple of inches.

Minimal Maintenance

Another great benefit of this home elevator is that there is very minimal maintenance required. The only scheduled maintenance per the ASME A17.7 certification is every five years or approximately 15,000 lifts on average. This is when the main seal needs to be replaced. There is a significant cost savings over time if you are to compare this to the regular service required for a traditional residential elevator!



No Pre-Construction Pit, Hoist Way or Machine Room Required

This lift was designed as a compact, cost-effective alternative to taking the stairs, and are ideal home elevators for tight areas where traditional residential elevators wouldn't even be a consideration.

As the smallest of the three vacuum elevator models, it only requires a 32-inch finished through floor hole for the elevator to pass through. Rather than requiring a large elevator shaft, this self-contained home lift rests on the existing ground floor and provides a beautiful panoramic view as you travel from floor to floor within your home. During the ride, you will enjoy cool, ambient temperatures as a cabin fan circulates air in the cabin and an LED light keeps the cabin lit.

Standard Features Home Elevator – PVE30

- No pit, hoist way, or machine room required
- 50 ft (15m) Total Rise Max
- 35 ft/M travelling speed
- Two to Five Stops
- Self supporting structure
- External cylinder diameter: 30 inches (750mm)
- Internal cabin diameter: 20,5 inches (521mm)
- Internal cabin height: 6'7" (79 inches/ 2005mm)
- Entrance way opening: 20,5 inches (521mm)
- Through Floor or Balcony Mount Landings
- Power Supply: 25 AMP 220VAC
- In-line, door openings
- Aluminum and polycarbonate cylinder structure
- Automatic interior LED lighting and fan
- Mechanical emergency safety brake system
- One year limited manufacturer warranty
- ASME A17.7 Certified
- Weight capacity: 350 Pounds (158 kg)

PVE30 Technical Specifications



General:

- External cylinder diameter: 30" (762mm)
- Rated Load: 350 lbs. (158 kg)
- Speed: 30 fpm (.15 ms)
- No pit required. Bottom level floor must be 100% level as elevator rests on existing floor.
- No hoistway required.
- Minimum overhead clearance:
 - Standard Unit (turbine motors located on top): 107" (2,719mm)
 - Split Unit (turbine motors located remotely): 97" (2,464mm)
- Penetration required to install through floors and ceilings: 32" (813mm)

Mechanical Requirements

- 220V, 60/50 Hz, 25amp single phase power supply
- 3 turbine motors located in pump box using a total of 3KW

Cabin:

- Entrance width opening: 20" (508mm)
- Internal cabin height: 79" (2007mm)
- Internal cabin diameter:
 - Between columns: 20" (508mm)
 - Without columns: 26" (661mm)
- Automatic LED lighting and cabin fan
- Door openings: same side (in-line) only.
 - All doors are hinged on top left, with door swing to the left, from inside the cabin.
 - Door Height: 80" (2,032mm)
 - Door Height w/ Door closer: 81 3/4" (2,077mm)
 - Each landing level specified will include only one door.
- 24 Volt electrical circuits with all controls in cabin
- Push button call controls with precise leveling at each landing.

Safety:

- Automatic descent to ground level at safety speed in the event of a power failure.
- Mechanical emergency brakes within two inches of freefall in vacuum loss or catastrophic failure.
- Electromechanical interlocks at each landing
- Alarm system and telephone (optional)

3 Models Available

With 3 Models Available, There Is A Pneumatic Elevator To Fit Any Projects' Needs.



PVE30



Single Passenger Elevator
30 inches (750 mm) External Diameter
350 lbs Lift Capacity (159 kg)
40 ft/min Traveling Speed
Automatic Interior LED Lighting & Fan
In-Line Door Openings



PVE37



Two Passenger Elevator
37 inches (950 mm) External Diameter
450 lbs Lift Capacity (205 kg)
40 ft/min Traveling Speed
Automatic Interior LED Lighting & Fan
In-Line, Walk-Through & 90° Door Openings*
*Limitations With 90° Door Openings



PVE52



Three Passenger Elevator
Wheelchair Accessible
52 11/16 inches (1,338 mm) External Diameter
525 lbs Lift Capacity (238 kg)
35 ft/min Traveling Speed
Automatic Interior LED Lighting & Fan
In-Line & Walk-Through Door Openings

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vacuum elevators



PVE Model Specifications

Specifications For All 3 Pneumatic Elevator Models Available.



pve.30



pve.37



pve.52

General

<i>Maximum Load (lbs)</i>	350	450	525
<i>Speed</i>	40 fpm (.15 m/s)	40 fpm (.15 m/s)	35 fpm (.15 m/s)
<i>Number of Stops</i>	2 to 5	2 to 5	2 to 5
<i>Maximum Distance (Feet)</i>	50	50	50

Car

<i>Inside Diameter Widest Point (Inches)</i>	25"	32" 1/2	46" 3/4
<i>Doorway Width (Inches)</i>	20"	20" 1/2	32"
<i>One-Touch Operation</i>	Yes	Yes	Yes
<i>Wheelchair Accessible</i>	No	No	Yes

Doors

<i>Available Entrances **</i>	0°	0°, 90°, 270° and 180°	0° and 180°
<i>Possibility of an Automatic Door</i>	Yes	Yes	Yes

Safety

<i>Power Failure Automatic Descent</i>	Yes	Yes	Yes
<i>Alarm Button / Safety Telephone</i>	Yes	Yes	Yes

Electricity

<i>Supply</i>	220 V/20 A	220 V/30 A	220 V/40 A
<i>Power</i>	3.8 kW	6 kW	7 kW

Installation Requirements

<i>Finished Perforation Diameter (Inches)</i>	32"	39"	54" 11/16
<i>Minimum Height on Upper Floor (Inches) *</i>	97" *	97" *	97" *

* Lower Height Clearances are possible. Speak to a PVE Sales Representative to confirm the feasibility of your desired installation.

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