

# PVE52

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## PVE52 FACT SHEET

The largest Residential Elevator model available, the **PVE52** is the perfect choice for those in need of a Wheelchair -Accessible Residential Elevator or wheelchair lift. With it's quick installation, innovative design and minimal pre-construction requirements, this Three-Passenger Residential Elevator offers everything you need in a residential elevator.

### Self-Supporting Home Elevators

This is the largest of the three vacuum elevators, capable of carrying three people or two people if one is in a wheelchair.

Even our largest lift takes up less space in your home than other traditional elevators. Like all other vacuum elevators, the **PVE52** does not need a separate space for machinery or additional room above and below the lift for a pit.

Since the unit has a self-supporting structure, you will not have to add a frame to your home before installing it. This means you can fit this lift anywhere in your home!

It measures 52 inches in outside diameter and 44 inches wide on the interior of the cabin.



### ECO-Friendly Residential Elevator

As environmentally-friendly home elevators, the only electrical required to power it is 220V, 35 Amp, single phase service. This wheelchair-accessible residential elevator maintains all of the safety and technology features that the other PVE models have as well.

**If the power goes out in your home, you will not get stuck in the elevator.** Should a power outage occur, the vacuum lift safely descends to the lowest level and the mechanical door lock enables the passenger to exit, preventing passengers from getting stuck.

The cabin is equipped with an LED light as well as a cabin fan that circulates the ambient air throughout the elevator car.

## Panoramic Visibility

There are many options for wheelchair-accessible elevators or wheelchair lifts, but only the **PVE52** gives you the space you need, the safety features you require, and a design that compliments your home's decor. When you or a loved one needs help getting around in your home, installing a residential wheelchair lift is a good choice. **Never has accessibility been so affordable, so attractive, or so simple!**



## Wheelchair Accessible Home Elevator

The **PVE52** can be set up to have between two to five stops, which means it can be used in homes up to five stories or a total of 50 feet.

It has an external cylinder diameter of 52 11/16 inches. Inside the unit measures a roomy 44. This provides enough space for a person in a wheelchair with an attendant or for up to three adults to stand in comfort.

The cabin height is 6' 7", which is tall enough for provide headroom for most people. Rolling a wheelchair through the 32-inch wide entrance opening is easy to do! With same side or opposite side door offerings, the largest of the residential vacuum elevators can be configured to accommodate almost any elevator installation.

## Standard Features Home Elevator – PVE52

- No pit, hoist way, or machine room required
- 50 ft (15m) Total Rise Max
- 30 ft/M travelling speed
- Two to Five Stops
- Self supporting structure
- External cylinder diameter: 52 11/16 inches (1,316mm)
- Internal cabin diameter: 43 1/2 inches (1118mm)
- Internal cabin height: 6'7" (79 inches/ 2007mm)
- Entrance way opening: 32 inches (813mm)
- Through Floor or Balcony Mount Landings
- Power Supply: 35 AMP 220VAC
- In-line, 180° 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: 525 Pounds (238 kg)

# PVE52 Technical Specifications



## General:

- External cylinder diameter: 52 11/16" (1,339mm)
- Rated Load: 525 lbs. (238 kg)
- Speed: 20 fpm (.10 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: 54 11/16" (1,389mm)

## Mechanical Requirements

- 220V, 60/50 Hz, 35amp single phase power supply
- 6 turbine motors located in pump box using a total of 6KW

## Cabin:

- Entrance width opening: 32" (813mm)
- Internal cabin height: 79" (2007mm)
- Internal cabin diameter: 44" (1,118mm)
- Automatic LED lighting and cabin fan
- Door openings: same side (in-line) and walk through (180°).
  - All doors are hinged on top left, with door swing to the left, from inside the cabin.
    - Door Height: 79 3/4" (2,026mm)
    - Height to top of Door closer: 81 1/2" (2,071mm)
  - 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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