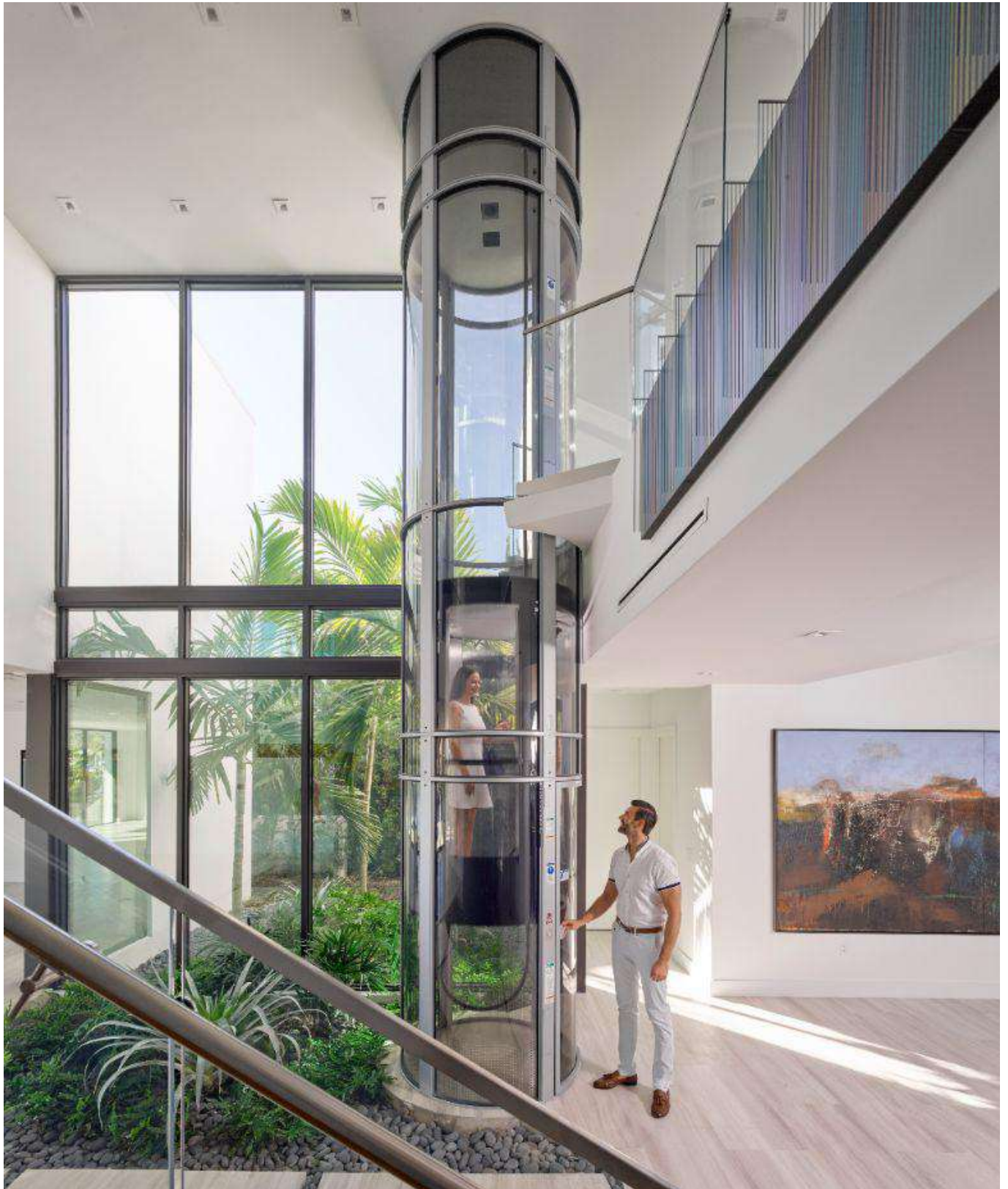


A WORK OF ART. POWERED BY AIR.®





BIG IDEAS REVOLUTIONIZE THE WORLD

Founded in 2002, Pneumatic Vacuum Elevators, LLC (PVE) is the inventor and original manufacturer of the world's only Air-Driven Home Elevator, the Pneumatic Elevator.

Powered by the most abundant resource in the world, AIR, Pneumatic Elevators are innovative, space-saving home lift solutions that have revolutionized the way people and goods are transported vertically in their homes.

Using Pneumatic Technology to generate lift, these self-supporting, panoramic elevators smoothly move between floors while requiring much less space, energy & maintenance when compared to traditional elevators.

With four models to choose from, ranging from a single passenger to a three passenger wheelchair-accessible model, Pneumatic Elevators simply rest on the existing ground floor, offering an ease of installation while providing an aesthetically pleasing solution for both retro-fit & new construction projects.

Celebrating over 20 years in business, PVE is an innovative technology driven company that thinks outside of the box, having our customers always in mind and our engineering capabilities second to none.

Utilizing materials and components of the highest quality available, Pneumatic Elevators unique design is based around our patented technology and PVE is proud to manufacture fully certified, safe and reliable home elevators for use worldwide.

Headquartered in Miami, Florida, USA, PVE has over 28,000 successful installations worldwide in over 100 countries. With subsidiaries in Europe and India,, PVE partners with authorized distributors across the globe to ensure all end users the best quality of installation and service for their home elevators.

100+
Countries

28,000+
Units
Installed

129
Showrooms



Innovative Solution

By using Pneumatic Technology to generate areas of higher and lower pressure within the cylinder hoistway, Pneumatic Elevators combine a vertical cylinder with a fully enclosed car that smoothly moves up and down through air suction and gravity.

What advantages do Pneumatic Elevators offer?

Not requiring a pre-construction shaft, pit or machine room,,Pneumatic Elevators simply rest on the existing ground floor,,offering more flexibility of installation while optimizing space within the home.

With minimal pre-construction requirements,, Pneumatic Elevators are quick & easy to install with installations being completed in as little as 2 - 3 days.

Requiring a 220 volt power supply, these eco-friendly elevators utilize very few moving parts during operation and have minimal maintenance requirements with no harmful oils, gases or lubricants utilized for operation.

Certified for up to 5 stops or 50 feet in total rise, Pneumatic Elevators are custom built to the height of each home with four different sizes available to meet your projects spatial and installation requirements. As a certified residential elevator,,please note Pneumatic Elevators are not ADA compliant.
(The Cube is limited to 3 stops or 35 feet in total rise.)



System of Operation For The Pneumatic Elevator

1. During ascent, the system extracts air from the top, creating a vacuum that makes the elevator car go upwards.

2. For descent, the intake of air is controlled, causing the car to smoothly move downwards due to gravity.

Pneumatic Technology simplifies the operation while reducing wear and tear of components:: a smooth,safe & reliable system.



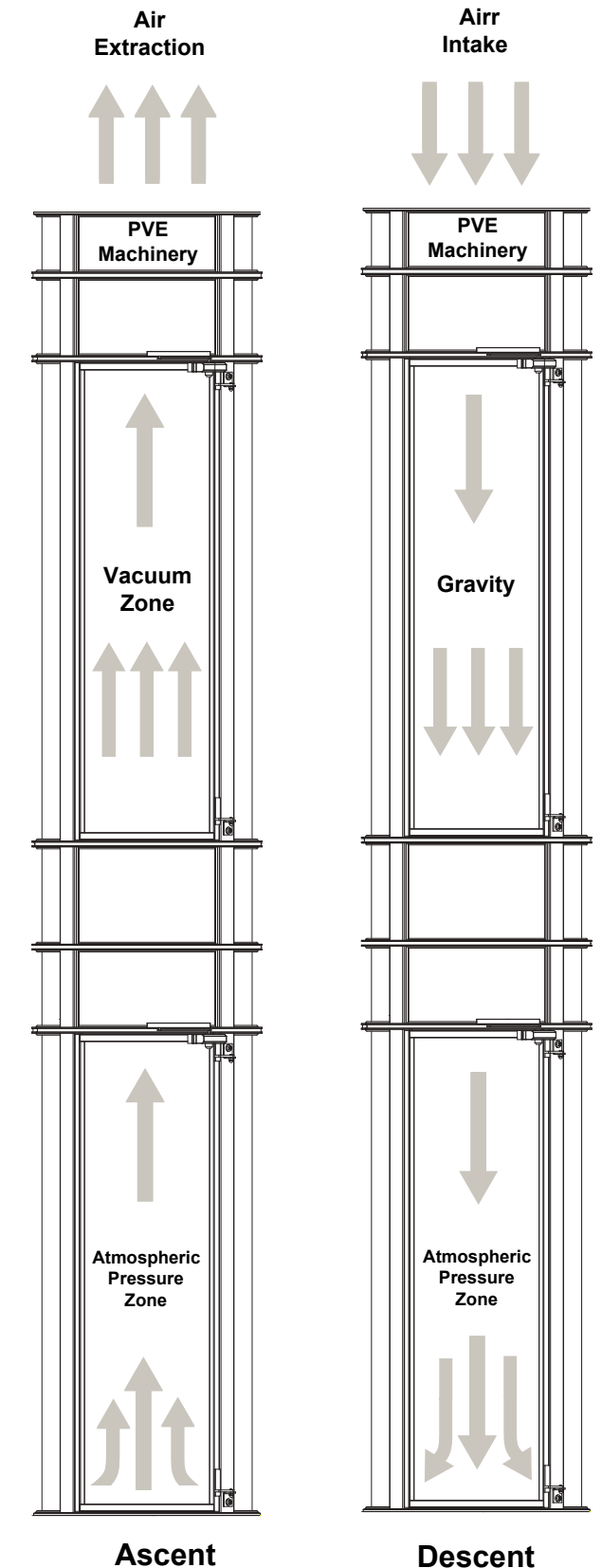
Components

There are three main components to the transparent, self-supporting Pneumatic Elevator::

Exterior Cylinder - Made up of an aluminum frame and polycarbonate panels that offers panoramic visibility.

Elevator Car - Fully welded and enclosed cabin made of steel, which houses the brake and safety mechanisms along with the proprietary seal located on top of the car.

PVE Machinery - Installed on top of the upper floor cylinder or remotely located. Houses the turbine motors, valves and PVE controller used to operate the elevator.



Elegant Design

At PVE, our mission is to create home elevator solutions in which design and technology coincide. Where the utilization of attractive materials and the application of fundamental physics combine to produce an innovative & aesthetically pleasing elevator that enhances homeowners standard of living.

The result: **Pneumatic Elevators.**

With its minimal footprint, modern design & revolutionary technology, these eco-friendly elevators go where other home elevators simply cannot.

A versatile solution that fits into even the tightest of spaces, all four Pneumatic Elevator models are self-supporting with minimal pre-construction requirements allowing a faster & more flexible installation.

Utilizing a unique, panoramic design, these air-powered elevators offer 360 degree visibility while traveling up to 5 stops or 50 feet in total rise making them beautiful additions to any residence.

(The Cube is limited to 3 stops or 30 feet in total rise.)

Green Elevators that operate using Pneumatic Technology, minimal energy consumption is utilized during ascent and gravity is simply used for descent ensuring Pneumatic Elevators have a nominal impact to your annual electrical usage.

Model: The Cube
Color: Black



Absolute Safety

Pneumatic Elevators are annually certified & safety inspected by the prestigious Liftinstituut, one of the world's leading elevator certification organizations.

In the event of power failure while in operation, the Elevator Cab will automatically descend to the lowest level and the mechanical door lock opens to allow passengers to exit.



**REMAIN IN THE
COMFORTS OF
YOUR HOME**

Assembled In U.S.A

Unlike other foreign manufactured products on the market, Pneumatic Elevators are assembled in Miami, Florida, USA ensuring each elevator produced by PVE meets the strictest quality & safety standards.

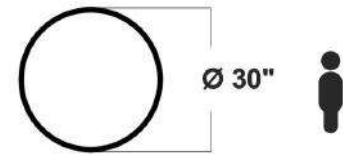
The safety of our customers is paramount, with every Pneumatic Elevator pre-assembled & safety tested at our PVE Factory Headquarters prior to installation.

PVE Elevator Models

With 3 PVE Elevator Models, There is A Round Pneumatic Elevator To Fit Any Project Needs.



PVE30

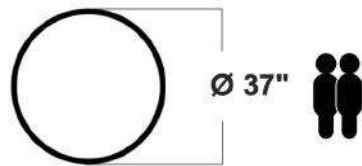


Single Passenger Elevator
30 inches (750 mm) External Diameter

350 lbs Lift Capacity (159 kg)
40 ft/min Traveling Speed
Automatic Interior LED Lighting & Fan
In-Line Door Openings



PVE37

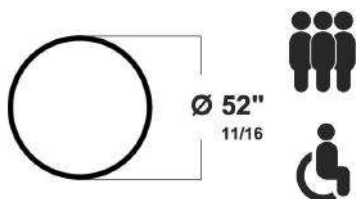


Two Passenger Elevator
37 inches (950 mm) External Diameter

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



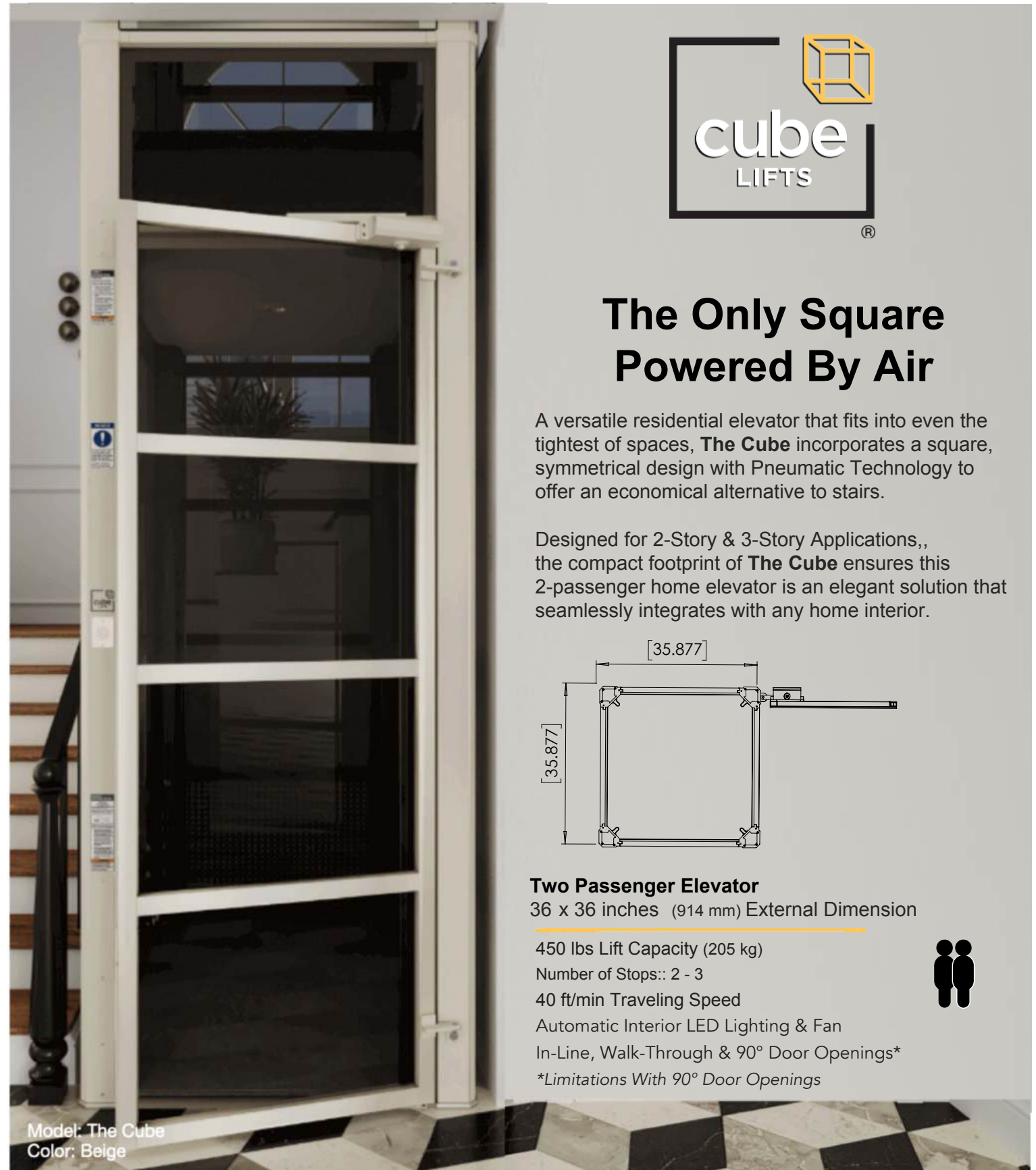
Three Passenger Elevator
Wheelchair Accessible

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
*Non-ADA Compliant Elevator

PVE | 99

The Cube Elevator Models

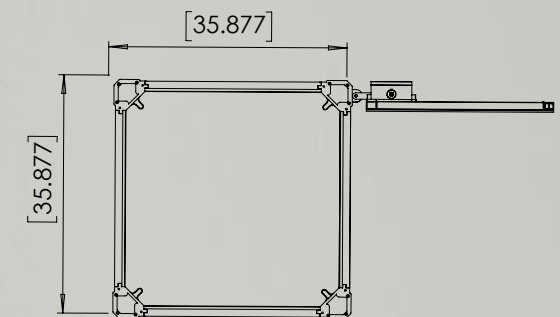
Optimize Space & Increase Comfort With The Only Pneumatic Elevator with A Square Design.



The Only Square Powered By Air

A versatile residential elevator that fits into even the tightest of spaces, **The Cube** incorporates a square, symmetrical design with Pneumatic Technology to offer an economical alternative to stairs.

Designed for 2-Story & 3-Story Applications,, the compact footprint of **The Cube** ensures this 2-passenger home elevator is an elegant solution that seamlessly integrates with any home interior.



Two Passenger Elevator
36 x 36 inches (914 mm) External Dimension

450 lbs Lift Capacity (205 kg)
Number of Stops:: 2 - 3
40 ft/min Traveling Speed
Automatic Interior LED Lighting & Fan
In-Line, Walk-Through & 90° Door Openings*
*Limitations With 90° Door Openings



Model: The Cube
Color: Beige

PVE | 10

PVE30



PVE37



PVE52



Rated Load
525 lbs

**52" 11/16
Inches**

Exterior
Diameter

Model: PVE52
Color: Anodized Silver



PVE | 13



THE CUBE



Rated Load
450 lbs

**36" x 36"
Inches**

Exterior
Dimension



PVE | 14

Model: THE CUBE
Color: White

Elevator Model Specifications

Technical Specifications For Each Pneumatic Elevator Model.

				
General				
Maximum Load (lbs)	350	450	525	450
Speed	40 fpm (.15 m/s)	40 fpm (.15 m/s)	35 fpm (.15 m/s)	40 fpm (.15 m/s)
Number of Stops Maximum	2 to 5	2 to 5	2 to 5	2 to 3
Distance (Feet)	50	50	50	35

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

Doors				
Available Entrances **	0°	0°, 90°, 270° and 180°	0° and 180°	0°,90°, 270° and 180°
Possibility of an Automatic Door	Yes	Yes	Yes	Yes

Safety				
Power Failure Automatic Descent	Yes	Yes	Yes	Yes
Alarm Button / Safety Telephone	Yes	Yes	Yes	Yes

Electricity				
Supply	220 V/20 A	220 V/30 A	220 V/40 A	220 V/30 A
Power	3.8 kW	6 kW	7 kW	6 kW

Installation Requirements				
Finished Perforation Diameter (Inches)	32"	39"	54 " 11/16	38" x 38"
Minimum Height on Upper Floor (Inches) *	97 *	97 *	97 *	97 *

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

** Door Configuration Options available for review on Page 18.

Yacht & Marine Elevator

Easy-To-Install, Space-Saving Elevators For Yacht & Marine Applications:



With it's minimal footprint, panoramic design and ease of installation, Pneumatic Elevators are the ideal elevator solutions for any Yacht & Marine Applications.

With no pre-construction pit, hoist-way or machine room required, each Pneumatic Elevator is custom built to the height of the vessel while adding an elegant design feature that will capture people's attention & imagination.

Door Configurations

Door Configurations Available For Specific Pneumatic Elevator Models:

Door Openings Configuration		PVE30	PVE37	PVE52
Ground Floor	Upper Floor(s)			
- In Line 0°				
- Opposite 180°	 Possibility of alternating orientation between floors			
- 90° Right	 All upper floor doors must be same side as one another			
- 90° Left				
		Not available	Available	

Door Configurations Shown Above Are For Standard Left Hand Door Swings.
Only One Door Opening Available Per Floor/Level.
Speak with a PVE Sales Representative Regarding Custom Right Hand Door Configurations.

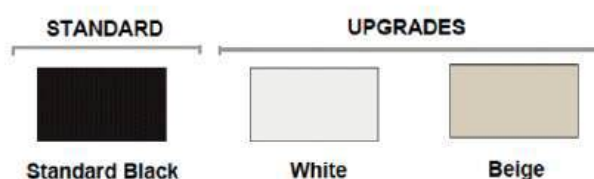


Options & Upgrades

Enhance The Cube With These Available Options & Upgrades.

Color Options

Powder Coated Color Finishes Available For The Exterior Aluminum Frame Of The Cube:



Color Samples Shown May Vary Slightly From Finished Product.

In-Cabin Upgrades

Upgrades Available For The Interior Cabin Of The Cube:



CABIN USB PORT



CABIN KEY LOCK



CABIN FOLDING SEAT



CABIN HANDRAIL



iBUTTON KEY FOB



Options & Upgrades

Enhance Your PVE Home Elevator With These Options & Upgrades Available For All 3 PVE Models.

Color Options

Powder Coated Color Finishes Available For The Exterior Aluminum Frame Of The PVE Elevator Models:



Color Samples Shown May Vary Slightly From Finished Product.

In-Cabin Upgrades

Upgrades Available For The Interior Cabin Of The Pneumatic Elevator:



CABIN USB PORT



CABIN KEY LOCK



PREMIUM COP PACKAGE



iBUTTON KEY FOB

The Cube - Elevator Upgrades

Enhance The Cube By Including Our Latest Upgrades:

ILLUMINATED EXTERIOR DOOR HANDLES

An aesthetic upgrade with a blue LED inner lit handle which will remain illuminated while the door is closed. When handle is pulled, the blue LED light will shut off until door is closed.

EARTHQUAKE BRACKETS

Often installed in seismic zones, Earthquake Brackets allow the Vacuum Elevator to be bolted to the ground floor of the residence.

TOP FLOOR EXTENSION

Extend the top of your elevator to terminate 1" inch below the ceiling for a clean aesthetic & finish.

REMOTE CONTROL

Command your Pneumatic Elevator in the palm of your hand with a single click by including our Remote Control. Programmable up to 3 Stops.

HOMING FEATURE

Program the cabin for your Pneumatic Elevator to automatically travel to a designated floor after a specific period of time to ensure your cabin always rests at a pre-programmed floor after use.

PVE - Elevator Upgrades

Enhance Your Pneumatic Elevator By Including Our Latest Upgrades:

SMART HOME INTEGRATION

Integrate your Pneumatic Elevator with Smart Home Devices like Amazon Alexa or Google Home to operate your elevator using voice commands and/or smart phones.

SOLAR PANEL PACKAGE

By integrating your Pneumatic Elevator with Solar Panels, your home elevator will be powered solely off renewable energy (Solar + Air) while operating 100% off the grid.

TOP FLOOR EXTENSION

Extend the top of your elevator to terminate 1" inch below the ceiling for a clean aesthetic & finish.

BATTERY BACK-UP PACKAGE

Battery Back-Up Package ensures your Pneumatic Elevator is operable even if the electricity goes out inside your home.

REMOTE CONTROL

Command your Pneumatic Elevator in the palm of your hand with a single click by including our Remote Control. Programmable up to 5 Stops.

HOMING FEATURE

Program the cabin for your Pneumatic Elevator to automatically travel to a designated floor after a specific period of time to ensure your cabin always rests at a pre-programmed floor after use.

EARTHQUAKE BRACKETS

Often installed in seismic zones, Earthquake Brackets allow the Pneumatic Elevator to be bolted to the ground floor.

pve® Latest Upgrades

The Latest Options & Upgrades Newly Available For All 3 PVE Elevator Models:



Illuminated Exterior Door Handle

With PVE's latest Door Handle design, the Illuminated Handle is an aesthetic upgrade with a blue LED inner lit handle which will remain illuminated while the doors are closed. When handle is pulled, the blue LED light will shut off until door is closed.
(Available for all PVE elevator models)



Premium Ceiling Package

Available in either a mirrored or brushed aluminum finish, the Premium Ceiling Package includes a halo LED light located around the edge of the ceiling which illuminates the elevator cabin when in use.
(Available for all PVE elevator models)



Cabin Handrail

Available in either a single individual handrail or in a sets of 3 handrails, the Cabin Handrail is fixed inside the elevator cabin and offers passengers support to hold on to while traveling.
(Available for all PVE elevator models)

pve® Model Specific Upgrades

Options & Upgrades Available For Specific PVE Elevator Models:



Cabin Folding Seat

Cabin Folding Seat option offers the ability for a folding seat and handle to be installed inside the cabin.
(Available only for the PVE37 & PVE52 models)



90° Degree Door Configurations

90° Degree Door Configuration allows for the upper floor doors to be directed 90° degrees to the left or 90° degrees to the right from the ground floor door. All upper floors must be same side as one another.*
(Available only for the PVE37 model)



Standing Support Pad

Standing Support Pad offers a stable & supportive surface for passengers to lean back with ease while standing upright inside the cabin.
(Available only for the PVE30 & PVE37 models)

PVE - Elevator Customizations

These Customizations Are Available For All 3 PVE Home Elevator Models:



Custom Clear Polycarbonate Panels

Custom Clear Polycarbonate Panels offers a clearer and more transparent finish to your Pneumatic Elevator.



Custom Right Hand Door Swing

Custom Right Hand Door Swing allows the door to be hinged on the top left corner when facing the Pneumatic Elevator from outside. See drawing above for reference.
(All Floors Will Have Same Door Swing On All Levels)*



Automatic Door Openers/Closers

Automatic Door Opener/Closer allows the door for your Pneumatic Elevator to be programmed to automatically open & close upon arrival.

Balcony Landing Attachment

Remove Construction Costs With PVE's Balcony Landing Attachment:



An economical addition for balcony mounted installations where the elevator is installed in an open space, a double-height area, in-door mezzanine or a stairwell, our Balcony Landing Attachment covers the space between the elevator and the balcony floor while ensuring ease of entry and exit for the passenger. Manufactured in aluminum and available for all Pneumatic Elevator models, the color of the Balcony Landing Attachment will match the exterior color of the elevator purchased with each landing designed to the exterior diameter of the model.

* Custom Door Configurations/Swings may be feasible depending on layout, model & project requirements. Speak to a PVE Sales Representative to confirm the feasibility of your desired installation.

SPACE SAVING SOLUTION FOR ANY HOME

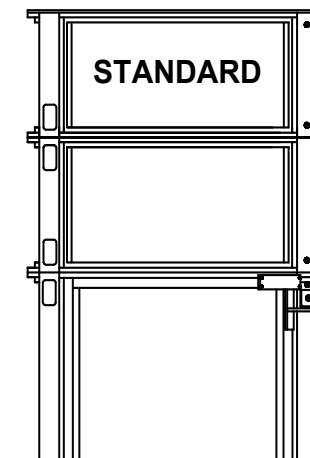


Model: PVE37
Customization: Custom Right Hand Doors
Color: White

PVE | 23

Machinery Configurations

Depending On The Average Height In Your Home, There Are Different Machinery Configurations Available For Your Pneumatic Elevator:

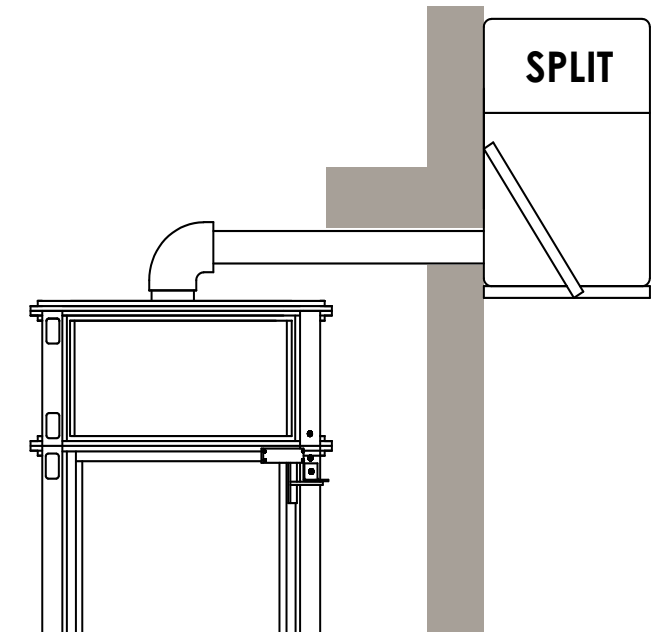


STANDARD MOUNT CONFIGURATION

A quick to install, aesthetically pleasing solution,, Standard Mounted applications allow for the PVE Machinery to be installed directly on top of the upper-floor cylinder.

The simplest solution in terms of installation,, Standard Mounted applications simply require a dedicated 220 volt, single phase power supply to be located directly above or close to the top of the unit.

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



SPLIT-UNIT MOUNT CONFIGURATION

Designed to accommodate installations with lower overhead clearances, Split-Unit Mounted applications allow for the PVE machinery to be remotely located from the top of the unit.

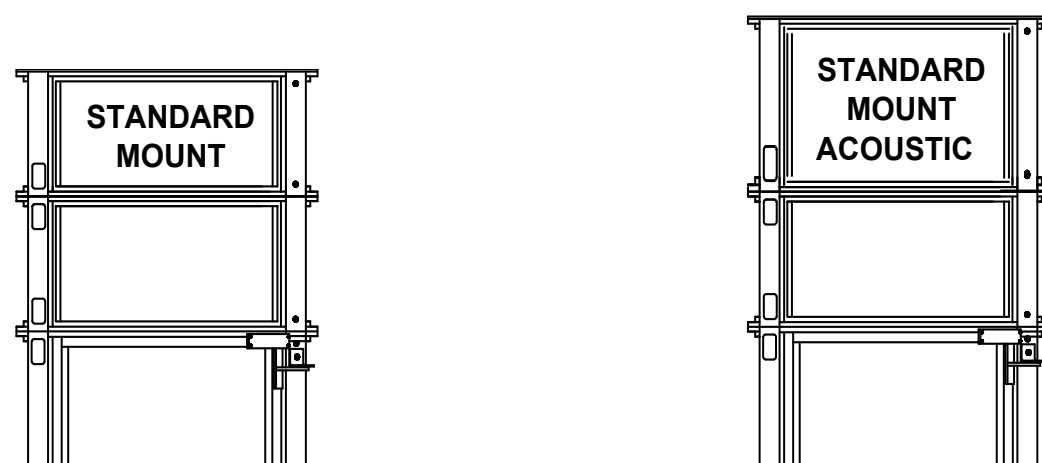
With both Indoor and Outdoor Split-Unit options,, remotely locating the machinery reduces the minimum height required on the top floor ,with the PVE machinery installed up to 30 linear feet away from the top of the upper-floor cylinder.

Connected to the top of the elevator by two 4" inch PVC pipes or a flex hose alternative,, Split-Unit Mounted Applications requires a 220 volt, single phase power supply to be located wherever the PVE Controller is installed.

PVE | 24

STANDARD MOUNT

PVE Machinery Installed Directly Above The Unit.



STANDARD MOUNT

Included as the base PVE Machinery option for all Pneumatic Elevator orders, a Standard Mounted application allows for the PVE Machinery to be installed directly on top of the upper floor cylinder.

ADVANTAGES

- Standard Mounted Machinery
- Quick & Easy Installation
- Self-Contained, Plug & Play Operation

MINIMUM HEIGHT ON UPPER FLOOR

105 Inches *

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

STANDARD MOUNT ACOUSTIC

Utilizing audio engineering and sound proofing material to reduce decibel ratings, the Standard Mount - Acoustic upgrade option allows for the PVE machinery to be installed directly on top of the upper floor cylinder.

ADVANTAGES

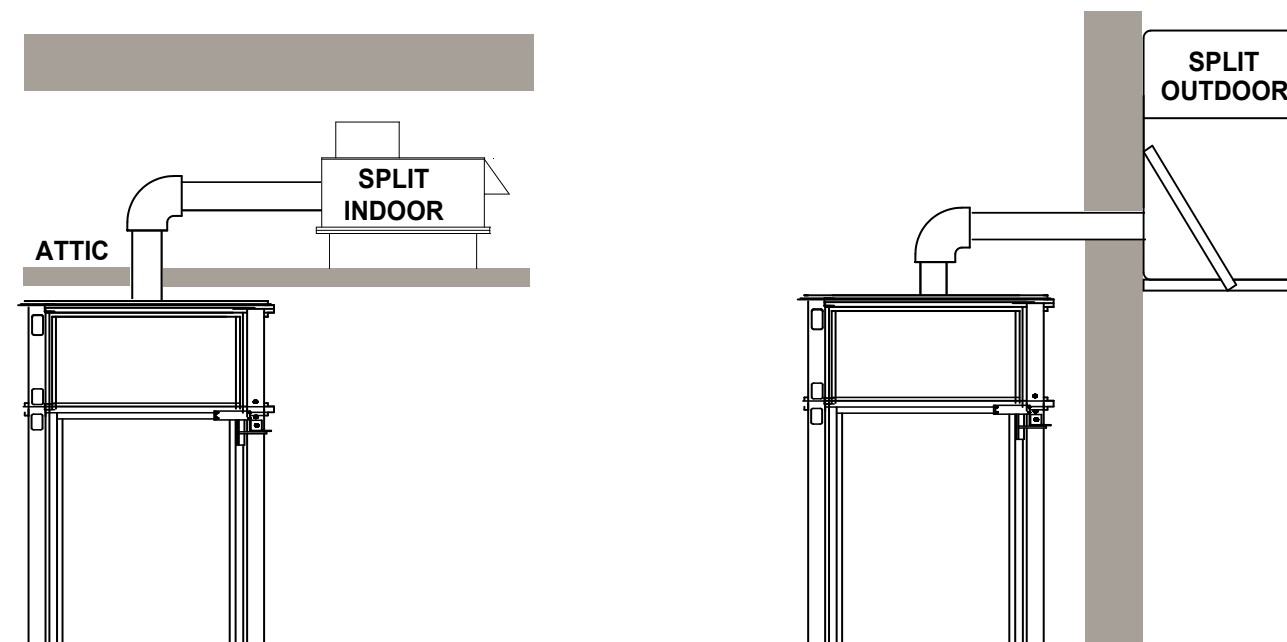
- Decibel Reducing Solution for Standard Mounted Applications
- Plug & Play System
- Easy-to-Install Machinery Option

MINIMUM HEIGHT ON UPPER FLOOR

107 Inches

SPLIT-UNIT MOUNT

PVE Machinery Remotely Located Up To 30 Linear Feet Away From The Top Of The Unit.



SPLIT-UNIT MOUNT INDOOR

Designed to accommodate installations with lower Overhead Clearances on the top floor, the Split-Unit Mount - Indoor machinery option is an upgrade that allows the PVE Machinery to be installed remotely inside the home.

Connected to the top of the elevator by two 4" inch PVC pipes or a flex hose alternative, the Split-Unit machinery can be installed up to 30 linear feet away from the top of the unit and is often located in attics,,adjacent closets or mechanical rooms within the home.

ADVANTAGES

- Lower Overhead Clearance Requirements on the Top Floor
- Reduction of Decibel Ratings Inside Home
- Customizable Positioning of the Split-Unit Machinery Inside the Home.

MINIMUM HEIGHT ON UPPER FLOOR

97 Inches *

SPLIT-UNIT MOUNT OUTDOOR

Designed to allow the PVE Machinery to be installed externally from the home,, the Split-Unit Mount - Outdoor machinery option is an upgrade designed to allow the PVE Machinery to be installed in an exterior setting.

Installed inside a fiber glass enclosure,, this PVE Machinery solution is connected to the top of the elevator by two 4" inch PVC pipes or a flex hose alternative and can be installed outside up to 30 linear feet away from the top of the unit.

ADVANTAGES

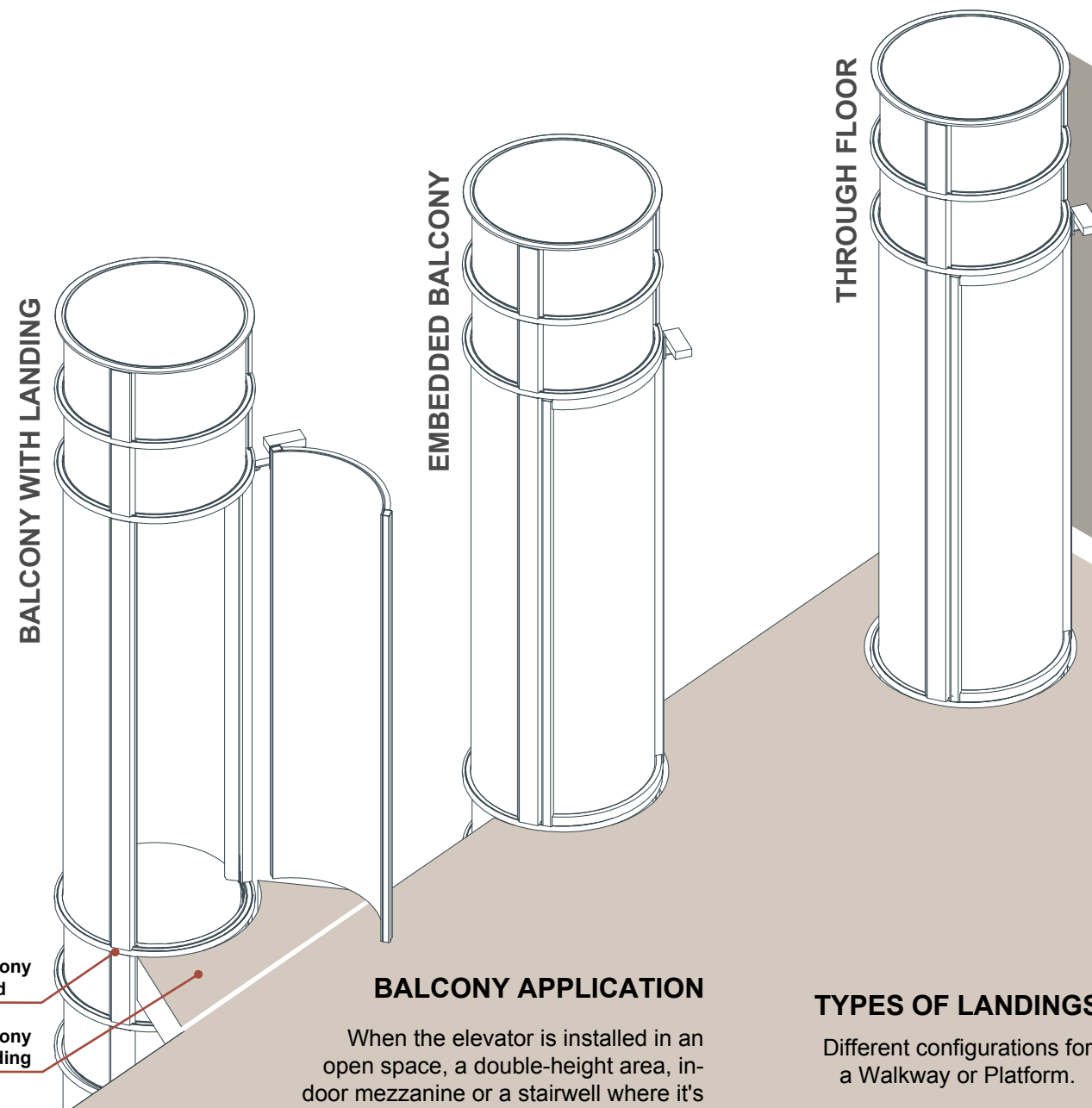
- Lower Floor-to-Ceiling Height Requirement on the Top Floor
- Most Efficient Audio Solution for PVE Machinery
- Customizable Positioning of Split-Unit Machinery Outside the Home.

MINIMUM HEIGHT ON UPPER FLOOR

97 Inches *

PVE INSTALL

APPLICATIONS



Balcony Band
Balcony Landing

BALCONY APPLICATION

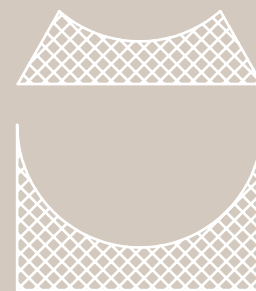
When the elevator is installed in an open space, a double-height area, indoor mezzanine or a stairwell where it's not applicable to have a through-floor hole.

For Balcony Applications, it's necessary to install a **Landing, Platform or Walkway** (not provided) at the balcony level for ease of entry & exit for the passenger.

Given the elevators circular design, this pre-construction requirement covers the space between the elevator and balcony floor while ensuring stability as the Pneumatic Elevator is attached to the structure on each level by means of a **Balcony Band** (provided by the installer).

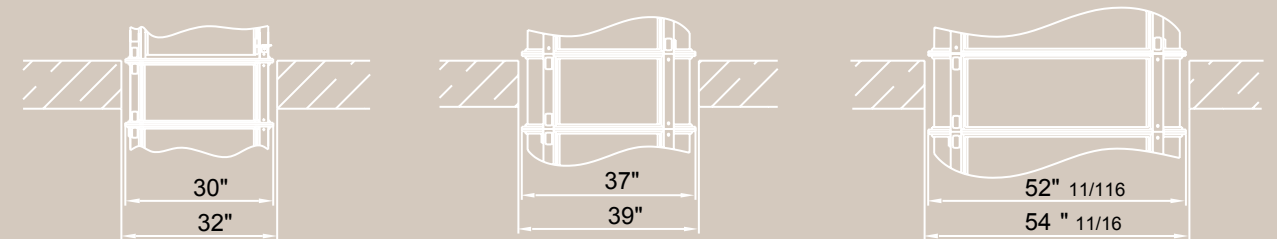
TYPES OF LANDINGS

Different configurations for a Walkway or Platform.



THROUGH FLOOR APPLICATION

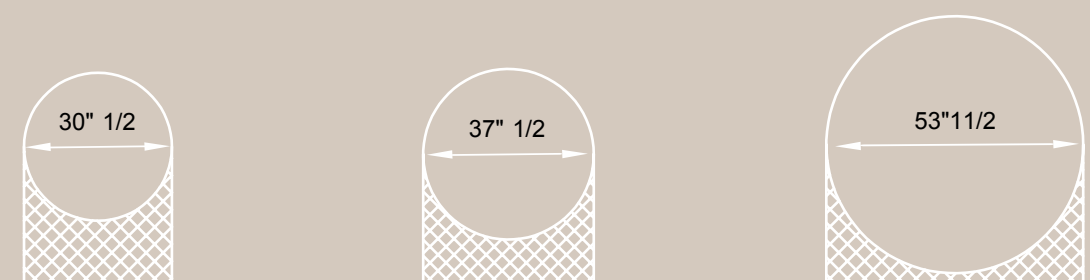
A finished through-floor hole is made at each level with a finished diameter 2" inches greater than the exterior diameter of the Pneumatic Elevator model. In applications with three, four or five stops, the holes must be perfectly aligned.



Minimum diameters for finished holes in through-floor installations.

BALCONY LANDING

For a Landing, Platform or Walkway constructed for Balcony Applications, it is recommended that the finished landing at its widest point be 1/2 inch greater than the diameter of the Pneumatic Elevator purchased. Meeting this recommendation will ensure that the Pneumatic Elevator chosen will fit properly, with a clean aesthetic.





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Unit 1 1

Miami, FL 33018 USA
(305) 884-109191

Info@VacuumElevators.com



VISIT WEBSITE

Pneumatic Vacuum Elevators are designed as residential elevators and are not ADA compliant. Actual product may vary from images and renderings shown or descriptions provided. Variations in color, finish, features, or specifications may occur due to ongoing improvements, customization options, or display differences. Final delivered product may differ slightly from what is advertised. Due to the space-saving design of this elevator, not all wheelchairs may fit inside the cabin. It is recommended to contact a PVE Authorized Distributor to ride and test a PVE52 locally to confirm your wheelchair sizes feasibility.