

Air Vacuum Home Lift 30 Technical Specification

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)