



Overhead Traction

Mid - High Rise

The OT™ Line:

Our geared overhead traction elevator is the workhorse of most mid and high-rise buildings. AES has earned the respect of architects who have specified these robust machines throughout North America. From offices to mixed-use and hospitality locations, our mid-rise track record is proof of our experience and capabilities.

Advantages:

- Faster Speed Capability
- Smooth ride
- More efficient than hydraulic
- No hydraulic oil needed
- Proven performance track record
- Standard & custom dimensions/interiors available

Equipment Capabilities:

- Passenger and hospital cars
- Capacities from 2,100 - 5,000 lb
- Speeds up to 350 FPM
- Unlimited travel range
- Machine Room (penthouse) is required

ALLIANCE
ELEVATOR SOLUTIONS



OVERHEAD TRACTION

Mid - High Rise

Capacity (lb)	Openings (Front/Rear)	Platform Size W x D	Hoistway Size W x D	Clear Inside W x D	Minimum Pit Depth
Counterweight at Rear					
2100	F	6'-0" X 5'-1"	7'-4" X 6'-8"	5'-8" X 4'-3"	5'-2"
2500	F	7'-0" X 5'-1"	8'-4" X 6'-8"	6'-8" X 4'-3"	5'-2"
3000	F	7'-0" X 5'-6"	8'-4" X 7'-1"	6'-8" X 4'-3"	5'-2"
3500	F	7'-0" X 6'-3"	8'-4" X 7'-10"	6'-8" X 5'-5"	5'-2"
4000H	F	8'-0" X 6'-2"	9'-4" X 7'-8 1/2"	5'-9" X 7'-5"	5'-2"
Counterweight at Side					
2100	F	6'-0" X 5'-1"	8'-4" X 5'-9"	5'-8" X 4'-3"	5'-2"
2500	F	7'-0" X 5'-1"	9'-4" X 5'-9"	6'-8" X 4'-3"	5'-2"
3000	F	7'-0" X 5'-6"	9'-4" X 6'-2"	6'-8" X 4'-8"	5'-2"
3500	F	7'-0" X 6'-3"	9'-4" X 6'-11"	6'-8" X 5'-5"	5'-2"
3500	F&R	7'-0" X 6'-7 1/2"	9'-4" X 7'-8"	7'-8" X 5'-5"	5'-2"
4000**	F	8'-0" X 6'-2"	9'-10" X 6'-10"	5'-8" X 7'-5"	5'-2"
4000**	F&R	8'-0" X 6'-8"	9'-10" X 7'-8 1/2"	5'-8" X 7'-5"	5'-2"
4000H	F	6'-0" X 8'-5"	7'-10" X 9'-3"	5'-8" X 7'-5"	5'-2"
4000H	F&R	6'-0" X 9'-0 1/2"	7'-10" X 10'-4"	5'-8" X 7'-5"	5'-2"
4500H	F	6'-0" X 8'-9"	7'-10" X 9'-7"	5'-8" X 7'-9"	5'-2"
4500H	F&R	6'-0" X 9'-4 1/2"	7'-10" X 10'-9"	5'-8" X 7'-10"	5'-2"
5000H**	F	6'-0" X 9'-7 1/2"	7'-10" X 10'-5 1/2"	5'-8" X 8'-8"	5'-2"
5000H**	F&R	6'-0" X 10'-3 1/2"	7'-10" X 11'-7"	5'-8" X 8'-8"	5'-2"

Based on car speed of 200 FPM
Cab Height = 8' -0"
For seismic applications add 3" to hoistway width

Speeds exceeding 200 FPM require additional overhead and pit depth. Minimum pit depth is based on the use of spring buffers. Add 5" to pit depth if oil buffers are required or car speed exceeds 200 FPM

225 FPM = add 6" of overhead and 5" of pit depth
250 FPM = add 7" of overhead and 5" of pit depth
300 FPM = add 8" of overhead and 5" of pit depth
350 FPM = add 10" of overhead and 5" of pit depth

**Custom sizes. Contact your AES representative for accurate pricing.

Note: Other hoistway sizes can be accommodated. Contact AES team for further information.