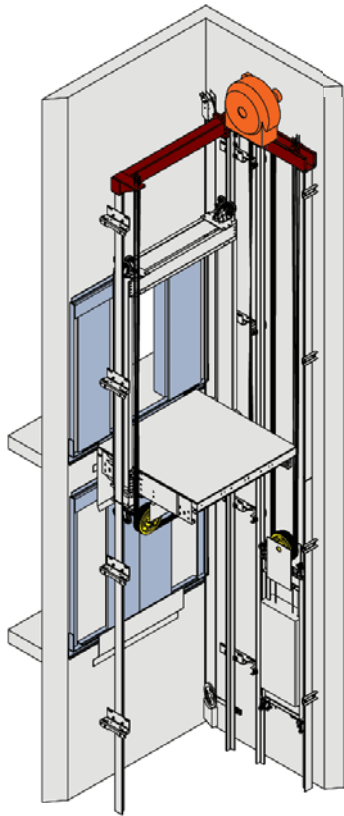




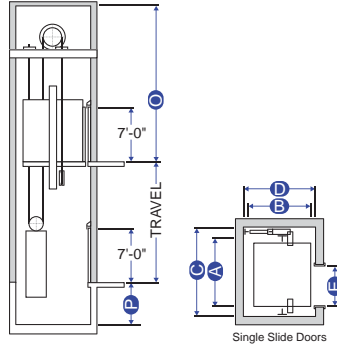
green tip

Regenerative drives available.

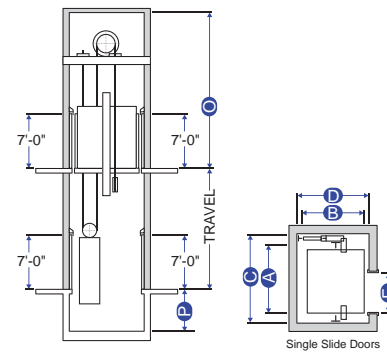
Call MEI for Sizes or Capacities Outside Listed Ranges **507.245.3060**



Under Slung Single Opening (F) (CWT at Side)



Under Slung Double Opening (F/R) (CWT at Side)



A = Platform Width **C** = Hoistway Width **E** = Clear Door Opening **P** = Pit Depth
B = Platform Depth **D** = Hoistway Depth **O** = Overhead

Application Summary

This design utilizes a gearless machine, ropes, and counterweights instead of hydraulic equipment. The main guide rails are mounted on each side of the car and an additional pair of counterweight rails is located on one side or at the rear. The gearless machine, along with the related drive equipment is all installed inside the hoistway eliminating the need for a machine room saving you valuable floor space.

Advantages

- No risk of oil contamination to the ground
- Accommodates front and rear openings in any configuration
- Has no need for a machine room
- Has greater power efficiency than hydraulic applications
- Allows significantly higher car speeds than hydraulic designs
- Generally cheaper than traditional traction applications

Disadvantages

- The material cost is substantially higher than that of hydraulic applications
- There are structural building considerations because the equipment is all mounted inside the hoistway
- Elevator maintenance cost is generally greater than that of hydraulic elevators
- Cycle time for securing the material package and installing it is generally longer than that of hydraulic elevators
- Limited capacities

Rail Mounted Machine - Side CWT

Low Capacity	Cap	Platform A x B	Hoistway C x D	Front/ Rear	Laminate Clear	Door Type	Door Width E	Max Speed	Machine Mount	Min OH O	Min Pit P
	2100	6'-0" x 5'-1"	7'-10" x 6'-9"	F	5'-9" x 4'-3 1/2"	1-SP	3'-0"	500	Rail	17'-3"	5'-8"
2500	7'-0" x 5'-1"	8'-10" x 6'-9"	F	6'-9" x 4'-3 1/2"	1-SP	3'-6"	500	Rail	17'-3"	5'-8"	
3000	7'-0" x 5'-6"	8'-10" x 6'-9"	F	6'-9" x 4'-8 1/2"	1-SP	3'-6"	500	Rail	17'-3"	5'-8"	
3000	7'-0" x 6'-1"	8'-10" x 7'-2"	F/R	6'-9" x 4'-8 1/2"	1-SP	3'-6"	500	Rail	17'-3"	5'-8"	
3500	7'-0" x 6'-2"	8'-10" x 6'-11"	F	6'-9" x 5'-4 1/2"	1-SP	3'-6"	500	Rail	17'-3"	5'-8"	
3500	7'-0" x 6'-9"	8'-10" x 7'-10"	F/R	6'-9" x 5'-4 1/2"	1-SP	3'-6"	500	Rail	17'-3"	5'-8"	
4000	8'-0" x 6'-2"	9'-10" x 6'-11"	F	7'-9" x 5'-3"	2-SP	4'-0"	350	Rail	17'-3"	5'-8"	
4000	8'-0" x 6'-8"	9'-10" x 8'-0"	F/R	7'-9" x 5'-0 1/2"	2-SP	4'-0"	350	Rail	17'-3"	5'-8"	
Hospital	4000H	6'-0" x 9'-1 1/2"	7'-10" x 10'-5"	F/R	5'-9" x 7'-6"	2-SP	4'-0"	350	Rail	17'-3"	5'-8"
Hospital	4500H	6'-0" x 9'-10 1/2"	7'-10" x 11'-2"	F/R	5'-9" x 8'-3"	2-SP	4'-0"	350	Rail	17'-3"	5'-8"

Pocket Mounted Machine - Side CWT

Low Capacity	Cap	Platform A x B	Hoistway C x D	Front/ Rear	Laminate Clear	Door Type	Door Width E	Max Speed	Machine Mount	Min OH O	Min Pit P
	2100	6'-0" x 5'-1"	7'-10" x 6'-9"	F	5'-9" x 4'-3 1/2"	1-SP	3'-0"	500	Pocket	13'-3"	5'-8"
2500	7'-0" x 5'-1"	8'-10" x 6'-9"	F	6'-9" x 4'-3 1/2"	1-SP	3'-6"	500	Pocket	13'-3"	5'-8"	
3000	7'-0" x 5'-6"	8'-10" x 6'-9"	F	6'-9" x 4'-8 1/2"	1-SP	3'-6"	500	Pocket	13'-3"	5'-8"	
3000	7'-0" x 6'-1"	8'-10" x 7'-2"	F/R	6'-9" x 4'-8 1/2"	1-SP	3'-6"	500	Pocket	13'-3"	5'-8"	
3500	7'-0" x 6'-2"	8'-10" x 6'-11"	F	6'-9" x 5'-4 1/2"	1-SP	3'-6"	500	Pocket	13'-3"	5'-8"	
3500	7'-0" x 6'-9"	8'-10" x 7'-10"	F/R	6'-9" x 5'-4 1/2"	1-SP	3'-6"	500	Pocket	13'-3"	5'-8"	
4000	8'-0" x 6'-2"	9'-10" x 6'-11"	F	7'-9" x 5'-3"	2-SP	4'-0"	350	Pocket	13'-3"	5'-8"	
4000	8'-0" x 6'-8"	9'-10" x 8'-0"	F/R	7'-9" x 5'-0 1/2"	2-SP	4'-0"	350	Pocket	13'-3"	5'-8"	
Hospital	4000H	6'-0" x 9'-1 1/2"	7'-10" x 10'-5"	F/R	5'-9" x 7'-6"	2-SP	4'-0"	350	Pocket	13'-3"	5'-8"
Hospital	4500H	6'-0" x 9'-10 1/2"	7'-10" x 11'-2"	F/R	5'-9" x 8'-3"	2-SP	4'-0"	350	Pocket	13'-3"	5'-8"

Based on car speed of 350 FPM • Cab Height = 8'-0" • For seismic applications add 2" to hoistway width

200 FPM = subtract 7" of overhead & 5" of pit depth
 500 FPM = add 13" of overhead & 8" of pit depth



Do not use hoistway dimensions for construction purposes. Different code year adoptions and local code variations may affect the hoistway size. Verify all dimensions with MEI prior to construction.