

# GT VisionLift MRL™

## Z3™

Type	Passenger / Hospital Elevator
Capacity	2000-5000 lbs (900-2268 kg)
Travel	Up to 325 feet
Speed	200 to 500 fpm
Counterweight	Side
Landings	Up to 26
Openings	Front / Front & Rear

The GT MRL Z3 model is an economical and intelligent alternative to traditional traction elevator systems up to 500 fpm.

The Z3 machine-room-less solution locates the counterweight at the side so both front and rear door openings are possible. This configuration and capacity to 5000 lbs makes Z3 ideal for passenger and hospital elevators.

Inherent design efficiency and the absence of a gearbox allow Z3 to operate using less energy - up to 25% savings vs traditional geared traction elevators.

An efficient gearless permanent magnet motor smoothly and silently moves the elevator.

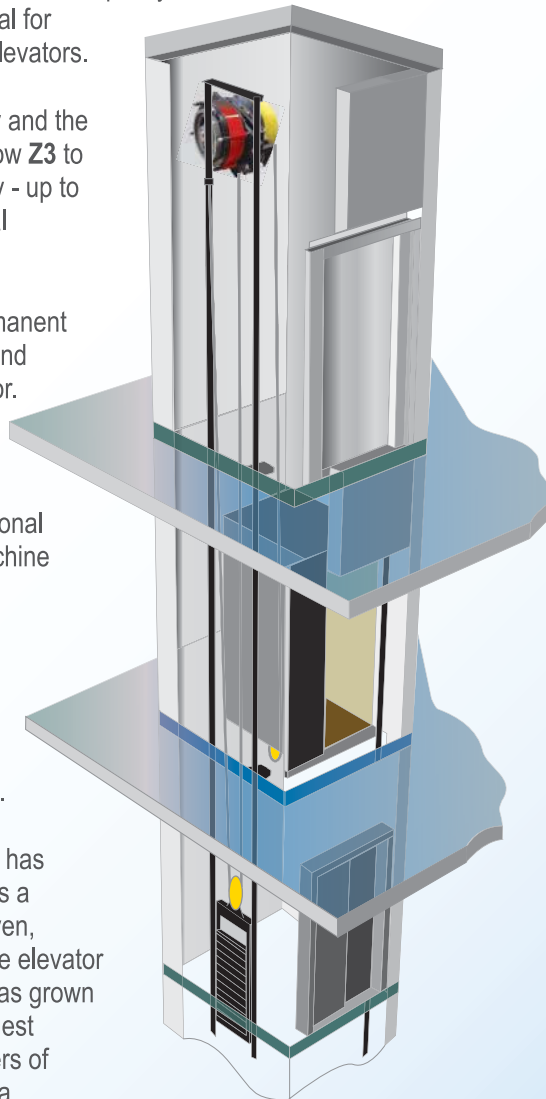
GT MRL design recovers useable building space since, unlike traditional traction elevators, no machine room is required.

Z3 is one of a complete line of MRL elevator packages manufactured for low to mid-rise buildings by Global-Tardif.

Since 1984, Global-Tardif has earned a top reputation as a manufacturer of field proven, innovative products for the elevator industry. The company has grown to become one of the largest independent manufacturers of elevators in North America.

GT VisionLift MRL packages are engineered to satisfy the exacting standards of the largest elevator companies in the world. Manufacturing elevator system packages for multinational OEM customers is where GT built their reputation for top quality equipment and technical expertise.

Unparalleled support for GT MRL elevators is provided to and through independent Contractor members who install and maintain GT Non-Proprietary MRL equipment through affiliation with the GT MRL Network.



## Machine-Room-Less Elevator

The Next Evolution in Elevator Efficiency



### ENERGY SAVINGS

- Energy Saving Up to 25% vs traction
- Very Low Power Consumption
- High Efficiency PM Motor Technology

### RIDE QUALITY

- Gearless Traction Elevator Performance
- Surprisingly Smooth Ride
- Quiet, Virtually Noiseless Operation

### ENVIRONMENTALLY RESPONSIBLE

- Environmentally Friendly
- No Hydraulic Oil - Zero Spill Risk
- No Hot Oil Smell

### BUILDING EFFICIENCY

- Recover Machine Room Space
- Flexible Layout

### MRL TECHNOLOGY

- Proven Reliability
- Universally Maintainable Design
- Standard Commercial Components

### APPLICATIONS / FEATURES

- Low to Mid-Rise Applications
- Upgraded Cab Standard
- 2-Year Warranty

### CONTRACTOR'S PROGRAM

- Ask about joining the **GT MRL Network**
- Visit our web site at [www.gtmrlnetwork.com](http://www.gtmrlnetwork.com)

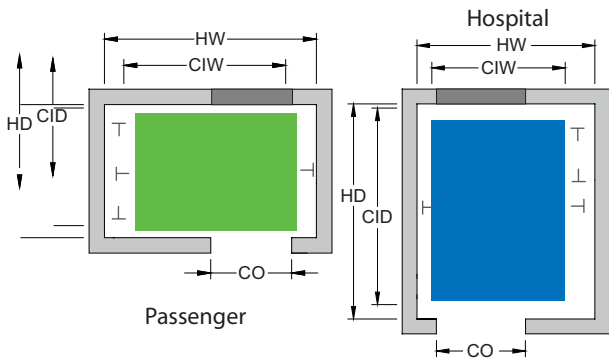


Elevator Manufacturing Group

# GT MRL Z3™ - Key Features

<b>Capacity</b>	Passenger : 2000 - 4000 lbs (900 - 1814 kg) Hospital : 4000 - 5000 lbs (1814 - 2265 kg)
<b>Travel</b>	Up to 325 feet (100 m)
<b>Speed</b>	200 to 500 fpm (1.0 to 2.5 m/s)
<b>Landings</b>	Up to 26
<b>Cab height</b>	8'-0", 8'-6", 9'-0", 9'-6" or 10'-0" (2438, 2591, 2743, 2896, 3048 mm)

## Planning Guide

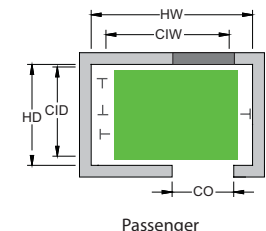


Speed fpm (m/s)	Overhead <sup>5</sup>		Pit Depth P
	Minimum	Recommended	
200 (1)	15'-6"	17'-0"	5'-0" (1524 mm)
350 (1.75)	16'-0"	17'-6"	5'-6" (1676 mm)
500 (2.5)	17'-0"	18'-6"	6'-6" (1981 mm)

4 Overhead for 8' height cab  
For 9' height cab add 1' to overhead  
For 10' height cab add 2' to overhead

5 Minimum overhead leaves a 6" clearance above elevator motor.  
To avoid any installation and/or maintenance problems, GT recommends increasing this clearance to 24".

## Planning Guide



Speed fpm (m/s)	Min. recommended Overhead <sup>6</sup>	Pit Depth P
	OH <sup>5,7</sup>	
200 (1.0)	2000 - 3500 lbs	5'-0" (1524 mm)
350 (1.75)		5'-6" (1676 mm)

Type of Opening	Capacity	Hoistway Width	Hoistway Depth	Cab Inside Width	Cab Inside Depth	Clear Opening		
		HW <sup>1</sup>	HD	CIW	CID	CO <sup>2</sup>		
FRONT OPENING	PASSENGER	SSP, CO <sup>3</sup> 2000 lbs (900 kg)	8'-5" (2565)	5'-9" (1753)	5'-8" (1727)	4'-3" (1295)	3'-0" x 7'-0" (914 x 2134)	
		SSP, CO 2500 lbs (1134 kg)	9'-5" (2870)	5'-9" (1753)	6'-8" (2032)	4'-3" (1295)	3'-6" x 7'-0" (1067 x 2134)	
		SSP, CO 3000 lbs (1361 kg)	9'-5" (2870)	6'-3" (1905)	6'-8" (2032)	4'-9" (1448)	3'-6" x 7'-0" (1067 x 2134)	
		SSP, CO 3500 lbs (1588 kg)	9'-5" (2870)	6'-11" (2108)	6'-8" (2032)	5'-5" (1651)	3'-6" x 7'-0" (1067 x 2134)	
		CO 4000 lbs (1814 kg)	10'-5" (3175)	6'-11" (2108)	7'-8" (2337)	5'-5" (1651)	4'-0" x 7'-0" (1219 x 2134)	
	HOSPITAL	2SP 4000 lbs (1814 kg)	8'-1" (2464)	9'-8" (2946)	5'-4" (1626)	7'-11" (2413)	4'-0" x 7'-0" (1219 x 2134)	
		2SP 4500 lbs (2041 kg)	8'-5" (2565)	9'-8" (2946)	5'-8" (1727)	7'-11" (2413)	4'-0" x 7'-0" (1219 x 2134)	
		2SP 5000 lbs (2265 kg)	8'-8" (2642)	10'-3" (3124)	5'-11" (1803)	8'-6" (2591)	4'-6" x 7'-0" (1372 x 2134)	
	FRONT & REAR OPENING	PASSENGER	SSP, CO <sup>3</sup> 2000 lbs (900 kg)	8'-5" (2565)	6'-7 1/4" (2013)	5'-8" (1727)	4'-3 3/4" (1314)	3'-0" x 7'-0" (914 x 2134)
			SSP, CO 2500 lbs (1134 kg)	9'-5" (2870)	6'-7 1/4" (2013)	6'-8" (2032)	4'-3 3/4" (1314)	3'-6" x 7'-0" (1067 x 2134)
SSP, CO 3000 lbs (1361 kg)			9'-5" (2870)	7'-1 1/4" (2165)	6'-8" (2032)	4'-9 3/4" (1467)	3'-6" x 7'-0" (1067 x 2134)	
SSP, CO 3500 lbs (1588 kg)			9'-5" (2870)	7'-9 1/4" (2369)	6'-8" (2032)	5'-5 3/4" (1670)	3'-6" x 7'-0" (1067 x 2134)	
CO 4000 lbs (1814 kg)			10'-5" (3175)	7'-9 1/4" (2369)	7'-8" (2337)	5'-5 3/4" (1670)	4'-0" x 7'-0" (1219 x 2134)	
HOSPITAL		2SP 4000 lbs (1814 kg)	8'-1" (2464)	10'-9 1/4" (3283)	5'-4" (1626)	7'-11 3/4" (2432)	4'-0" x 7'-0" (1219 x 2134)	
		2SP 4500 lbs (2041 kg)	8'-5" (2565)	10'-9 1/4" (3283)	5'-8" (1727)	7'-11 3/4" (2432)	4'-0" x 7'-0" (1219 x 2134)	
		2SP 5000 lbs (2265 kg)	8'-8" (2642)	11'-4 1/4" (3461)	5'-11" (1803)	8'-6 3/4" (2610)	4'-6" x 7'-0" (1372 x 2134)	

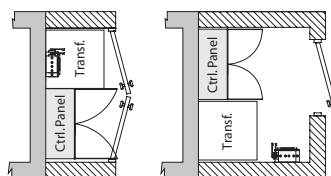
Notes <sup>1</sup> For elevators with occupied space underneath hoistway, hoistway width may change. Please, contact us for dimensions.

<sup>2</sup> Optional custom height door opening also available

For glassback dimensions, please contact us.

<sup>3</sup> 36" CO entrances not supported by nonmandatory appendix E= Elevator requirements for persons with physical disabilities in regions that support CNBC.

Global Tardif is specialized in product customization. The table above indicates dimensions for standard products, however these are flexible. Contact us.



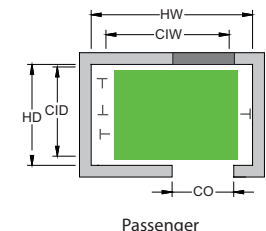
Control Room			
Type	Width	Depth	Height
Closet door	5'-9" (1753)	3'-0" (914)	8'-0" (2438)
Single door	5'-9" (1753)	4'-9" (1448)	8'-0" (2438)

Global-Tardif reserves the right to change specifications without notice

# SERIE Z3™ "COMPACT"- Low overhead

<b>Capacity</b>	Passenger : 2000 - 4000 lbs (900 - 1814 kg)
<b>Travel</b>	Up to 325 feet (100 m)
<b>Speed</b>	200 to 350 fpm (1.0 to 1.75 m/s)
<b>Landings</b>	Up to 26
<b>Cab height</b>	8'-0", 8'-6", 9'-0", 9'-6" or 10'-0" (2438, 2591, 2743, 2896, 3048 mm)

## Planning Guide



Speed fpm (m/s)	Min. recommended Overhead <sup>6</sup>	Pit Depth P
	OH <sup>5,7</sup>	
200 (1.0)	2000 - 3500 lbs	5'-0" (1524 mm)
350 (1.75)		5'-6" (1676 mm)

Type of Opening	Capacity	Hoistway Width	Hoistway Depth	Cab Inside Width	Cab Inside Depth	Clear Opening	
		HW <sup>1</sup>	HD <sup>2</sup>	CIW	CID	CO <sup>3</sup>	
FRONT OPENING	PASSENGER	SSP, CO <sup>4</sup> 2000 lbs (900 kg)	9'-0" (2743)	5'-9" (1753)	5'-8" (1727)	4'-3" (1295)	3'-0" x 7'-0" (914 x 2134)
		SSP, CO 2500 lbs (1134 kg)	10'-0" (3048)	5'-9" (1753)	6'-8" (2032)	4'-3" (1295)	3'-6" x 7'-0" (1067 x 2134)
		SSP, CO 3000 lbs (1361 kg)	10'-0" (3048)	6'-3" (1905)	6'-8" (2032)	4'-9" (1448)	3'-6" x 7'-0" (1067 x 2134)
		SSP, CO 3500 lbs (1588 kg)	10'-0" (3048)	6'-11" (2108)	6'-8" (2032)	5'-5" (1651)	3'-6" x 7'-0" (1067 x 2134)
		CO 4000 lbs (1814 kg)	10'-0" (3048)	6'-11" (2108)	7'-8" (2337)	5'-5" (1651)	4'-0" x 7'-0" (1219 x 2134)
	FRONT & REAR OPENING	SSP, CO <sup>4</sup> 2000 lbs (900 kg)	9'-0" (2743)	6'-7 1/4" (2013)	5'-8" (1727)	4'-3 3/4" (1314)	3'-0" x 7'-0" (914 x 2134)
		SSP, CO 2500 lbs (1134 kg)	10'-0" (3048)	6'-7 1/4" (2013)	6'-8" (2032)	4'-3 3/4" (1314)	3'-6" x 7'-0" (1067 x 2134)
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		SSP, CO 3500 lbs (1588 kg)	10'-0" (3048)	7'-9 1/4" (2369)	6'-8" (2032)	5'-5 3/4" (1670)	3'-6" x 7'-0" (1067 x 2134)