

# GT VisionLift MRL™

## ECHO LE™ or XT™

Type	Passenger Elevator
Capacity	2000-3500 lbs (900-1588 kg)
Travel	Up to 100 feet
Speed	150 or 200 fpm
Counterweight	Side
Landings	Up to 10
Openings	Front / Front & Rear

The GT MRL **ECHO LE** model is the most economical and intelligent alternative to traditional hydraulic elevator systems.

The **ECHO LE** machine-room-less solution eliminates the inherent risk of hydraulic elevator oil spills and cleanup because the system uses no hydraulic oil or cylinder. Instead, an efficient gearless permanent magnet motor smoothly and silently moves the elevator.

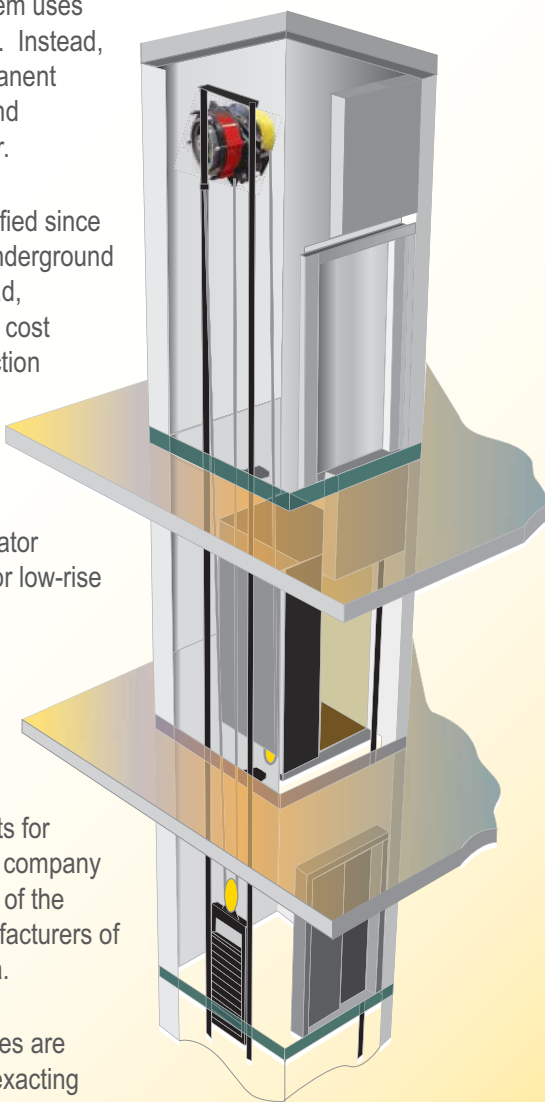
MRL construction is simplified since hole boring into unseen underground soil is not required. Instead, predictable cycle time and cost results in on-time construction and delivery of a superior elevator system.

**ECHO LE** is one of a complete line of MRL elevator packages manufactured for low-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 60% vs hydraulic
- 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-Rise Applications
- Upgraded Cab Standard
- 2-Year Warranty

### CONTRACTOR'S PROGRAM

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



Elevator Manufacturing Group

Capacity	Passenger : 2000 - 3500 lbs (900 - 1588 kg)
Travel	Up to 100 feet (30 m)
Speed	XT = 200 fpm (1.0 m/s)      LE = 150 fpm (0.75 m/s)
Landings	Up to 10
Cab height	8'-0", 9'-0" or 10'-0" (2438, 2743, 3048 mm)

## GT-Synchron Hoisting Machine

- Compact Gearless Machine
- Energy Cost Saving from 25% to 60%  
(Compared to geared or hydraulic systems)
- Virtually Noiseless Operation
- Low Heat Dissipation
- Reduced Maintenance Downtime



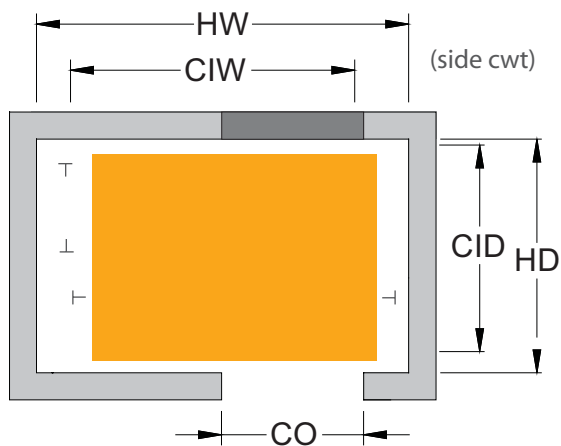
## Outstanding Cab Design GT-EchoCAB™

- Stainless Steel Cab Front, Doors, Reveals, Kick Bases
- Satin Stainless Steel Modular Shell Cab
- Removable Plastic Laminate Wall Panels
- Attractive Standard Design
- Many Options Available

The only manufacturer to offer an upgraded standard cab design



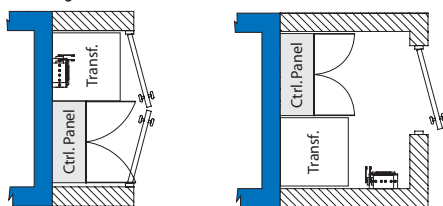
## Planning Guide



Speed fpm (m/s)	Overhead <sup>5</sup>		Pit Depth P
	OH <sup>4</sup>		
	Minimum	Recommended	
150 (0.75)	15' - 6"	17' - 0"	5'-6" (1676 mm)
200 (1.00)	15' - 6"	17' - 0"	5'-6" (1676 mm)

<sup>4</sup> Overhead for 8' height cab  
For 9' height cab add 1' to overhead  
For 10' height cab add 2' to overhead

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



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)

Typical Stainless Steel #4 Push Buttons  
"Incomparable Premium Line Features"

	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)	7'-8" (2337)	5'-10" (1778)	5'-8" (1727)	4'-3" (1295)	3'-0" x 7'-0" (914 x 2134)
		SSP - CO 2500 lbs (1134 kg)	8'-8" (2642)	5'-10" (1778)	6'-8" (2032)	4'-3" (1295)	3'-6" x 7'-0" (1067 x 2134)
		SSP - CO 3000 lbs (1361 kg)	8'-8" (2642)	6'-3" (1905)	6'-8" (2032)	4'-9" (1448)	3'-6" x 7'-0" (1067 x 2134)
		SSP - CO 3500 lbs (1588 kg)	8'-8" (2642)	6'-11" (2108)	6'-8" (2032)	5'-5" (1651)	3'-6" x 7'-0" (1067 x 2134)
FRONT & REAR Opng.	PASSENGER	SSP - CO <sup>3</sup> 2000 lbs (900 kg)	7'-8" (2337)	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)	8'-8" (2642)	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)	8'-8" (2642)	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)	8'-8" (2642)	7'-9 1/4" (2369)	6'-8" (2032)	5'-5 3/4" (1670)	3'-6" x 7'-0" (1067 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.