



GearlessBelt MRL

Machineroomless Traction Lift

GMV complete the successful Green Lift program with a technical solution, for lifts up to 12 stops, based on:

- GearlessBelt (GLB) machine developed with General Electric and especially designed for machineroomless applications provided with:
 - VVVF drive, field oriented vector with sinusoidal encoder
 - Security system device to prevent upward overspeed of the car
 - Emergency device for automatic return to floor in case of power failure
 - Manual rescue operation by UPS
- TMC car with extensive colour selection
- Lift range from 320 to 1000 kg
- Telescopic- or central- opening doors
- Safe and quick installation
- Type approved according to the Lift Directive 95/16/EC

Specific advantages of this application are:

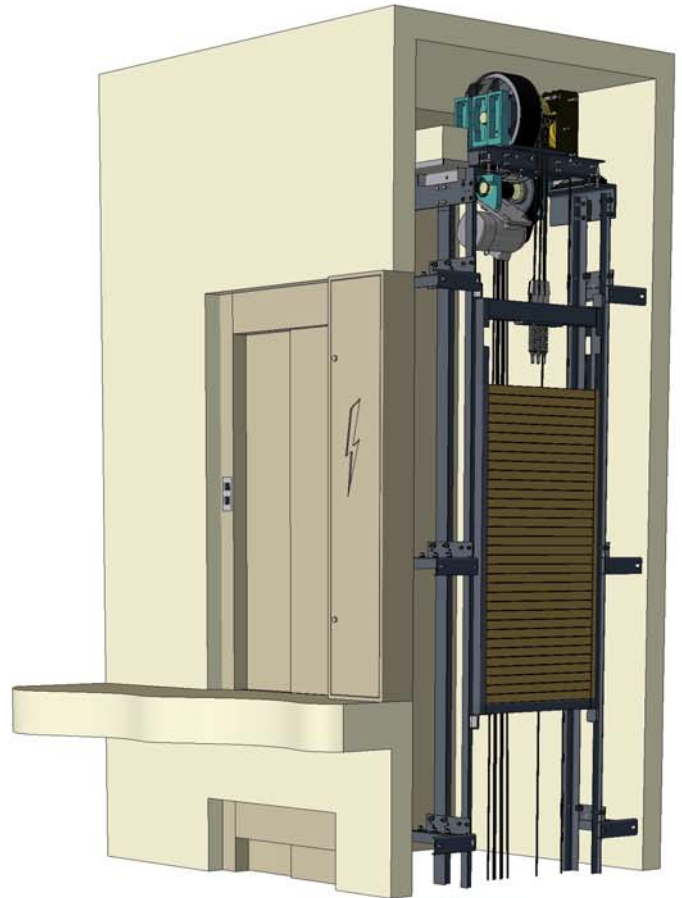
- Reduced energy consumption. Up to 30% less than with geared machine
- High travelling comfort
- Superior floor levelling precision

The cabinet is installed on top floor close to the doorframe. It contains the complete controller devices. The solution with VVVF and power control in the shaft is an option.

By power failure the controller together with a UPS (230 V battery group) will take the lift in an automatic travelling to the nearest floor, enabling people to leave the car.

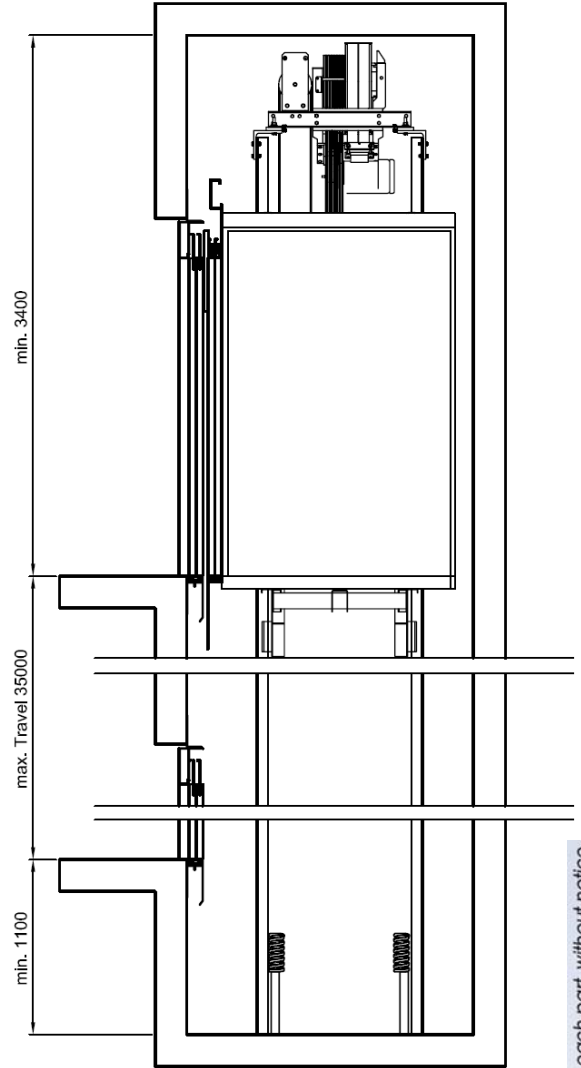
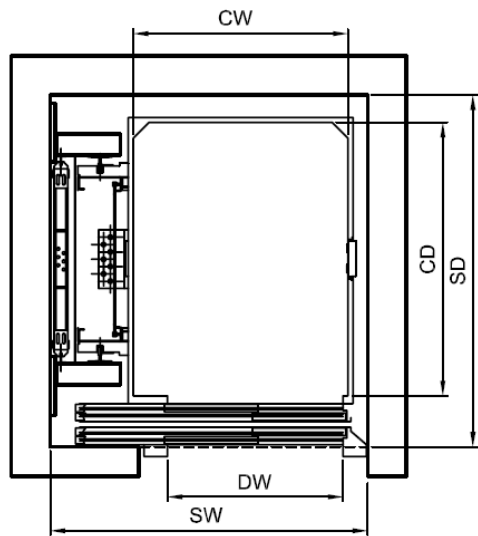
Also the "manual rescue operation" is made by using the UPS.

The GE drive technology with variable frequency combined with a feedback from the machine gives a perfect control of the lift ride and a good floor level accuracy.





As the machine is installed on the top of the guide rail, transferring the load to the bottom of the shaft, the lift shaft can be made in a light construction. When using a reinforced guide rail the guide brackets can be fixed to each floor slab. The lift is supplied with TMC car providing an extensive colour selection. The car door with belt drive is electronic regulated for a quiet and smooth operation. Landing doors are supplied in 5 different colours or in stainless steel.



Q = Rated Load
 DT = Door type: telescopic or central
 E = Entrance in car (1 or 2)

Q	Pers	CW	CD	DT	DW	SW	SD	E
Kg		mm	mm		mm	mm	mm	
320	4	800	1100	T2	700/750	1350	1600	1
320	4	900	1000	T2	700/750	1450	1600	1/2
400	5	850	1200	T2	750	1400	1600/1720	1/2
400	5	950	1100	T2	700/800	1500	1600/1620	1/2
450	6	1000	1200	T2	800/900	1550	1600/1720	1/2
480	6	950	1300	T2	800/850/900	1500/1550	1650/1820	1/2
630	8	1100	1400	T2	800/900	1625	1800/1920	1/2
630	8	1100	1400	C2	800/900	1875/1975	1800/1860	1/2
1000	13	1100	2110	T2	800/900	1700	2450/2630	1/2
1000	13	1100	2110	C2	800/900	1875/1975	2450/2570	1/2

