

Operation cycle of passenger lift GREEN LIFT® 630-1000 kg (for 8 pers.)

Example hydraulic lift of 4 stops and of 10,0m travel

Characteristics:

Speed: $v = 0,62 \text{ m/s}$

Travel: $H_p = 10,0 \text{ m}$

No of stops: 4

- „3”: 10,0 m (getting in 8 pers.)
 - „2”: 7,0 m (getting off 4 pers.)
 - „1”: 4,0 m (getting off 4 pers.)
 - „0”: 0,0 m (getting in 8 pers.)
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- 4

- 4

+ 8

+ 8

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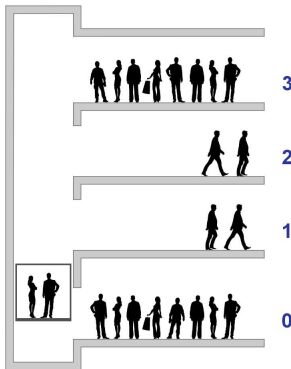


Table 1.1
Approximate travel time of hydraulic GREEN LIFT® 630-1000 kg in comparison to MRL traction lift.

	Hydraulic GREEN LIFT® $v = 0,62 \text{ m/s}$	MRL traction lift $v = 1,0 \text{ m/s}$
Level "0" – opening the doors	3 s	3 s
Getting in the cabin (8 persons)	21 s	21 s
Closing the doors	5 s	5 s
Travel to level "1"	9 s	6 s
Opening the doors	3 s	3 s
Getting out the cabin (4 persons)	8 s	8 s
Closing the doors	5 s	5 s
Travel to level "2"	7 s	5 s
Opening the doors	3 s	3 s
Getting out the cabin (4 persons)	8 s	8 s
Closing the doors	5 s	5 s
Travel to level "3"	7 s	5 s
Closing the doors	3 s	3 s
Total travel time from level "0" to "3"	1 min. 27 s	1 min. 20 s
Getting in the cabin (8 persons)	21 s	21 s
Closing the doors	5 s	5 s
Travel to level "0"	18 s	12 s
Opening the doors	3 s	3 s
Getting out the cabin (8 persons)	16 s	16 s
Closing the doors	5 s	5 s
Total travel time from level "3" to "0"	1 min. 8 s	1 min. 2 s
Total cycle time "0-3-0"	2 min. 35 s *)	2 min. 22 s

*) With higher speed down available $0,74 \text{ m/s}$ the total cycle time can be reduced by 3 s to **2 min. 32 s**.