

Operation cycle of a GMV - HOME LIFT

HOME LIFT® 400kg

Example lift of 2 stops and 3,5m travel

Characteristics:

Speed: $v = 0,15 \frac{m}{s}$

Travel: $H_p = 3,50 \text{ m}$

No of stops: 2
- level „1”: 3,50 m
- level „0”: 0,00 m

No of passengers: 5

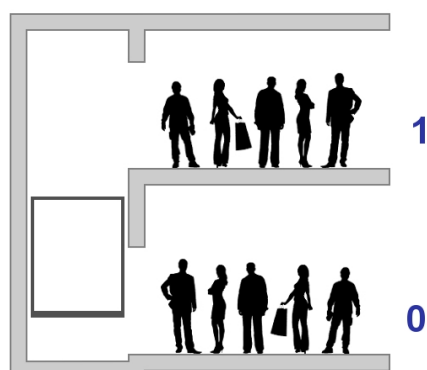


Table 1.1
Approximate travel time of GMV HOME LIFT® 400kg in comparison to hydraulic and MRL traction lift

	Home Lift® $v = 0,15 \frac{m}{s}$	Hydraulic passenger lift $v = 0,6 \frac{m}{s}$	Traction passenger lift $v = 1,0 \frac{m}{s}$
Opening the doors	3 s	3 s	3 s
Getting in the cabin (5 persons)	12 s	12 s	12 s
Closing the doors	5 s	5 s	5 s
Travel up	25 s	7 s	5 s
Opening the doors	3 s	3 s	3 s
Getting out the cabin	10 s	10 s	10 s
Total travel time from level "0" to "1"	58 s	40 s	38 s
Getting in the cabin (5 persons)	12 s	12 s	12 s
Closing the doors	5 s	5 s	5 s
Travel down	25 s	7 s	5 s
Opening the doors	3 s	3 s	3 s
Getting out the cabin	10 s	10 s	10 s
Closing the doors	5 s	5 s	5 s
Total travel time from level "1" to "0"	60 s	42 s	40 s
Total cycle time "0-1-0"	1 min 58 s	1 min 22 s	1 min 18 s