



Symbio gearless machine room-less

A machine room-less electric lift with an innovative design. We have equipped it with a gearless machine to guarantee supreme energy efficiency. The optimisation of the MRL Symbio design has enhanced the lift's comfort and safety.

- **Advantages**

Space optimisation: no machine room required.

Environmentally-friendly: lower power consumption with a gearless machine. Plus, it needs no oil and does not create unnecessary noise.

Energy efficiency: possibility of connection to a monophase plug.

Easy maintenance: the machine has a long life cycle and repairs are virtually unnecessary.

Comfort: it features a portico frame with 2:1 suspension that guarantees a top quality ride during the trip.

Q (kg)	Nominal Output (kw)	Nominal Intensity (A)	Min. Headroom. (mm)	Min. Pit. (mm)
320	2,0 - 2,6	3,8 - 4,9	2.700	300
450	2,8 - 3,5	7,0 - 9,0	2.700	300
630	3,6 - 4,7	9,0 - 11,0	2.700	300
800	4,7 - 5,9	11,0 - 14,0	3050	700
1.000	5,9 - 7,1	14,0 - 17,0	3050	700
1.125	7,2 - 8,3	14,6 - 17,8	3350	850
1.250	7,9 - 9,2	16,8 - 20,6	3350	850
1.600	10,0 - 11,4	22,9 - 28,0	3350	850
2.000	12,5 - 14,1	29,4 - 37,0	3700	1300
2.500	15,6 - 19,4	43,5 - 58,0	3700	1300

Please ask for a higher load than 4000kg.

• **Technical characteristics:**

Nominal speed	1 m/s 3VF. Up to 1,6 m/s
Nominal load	up to 2.500 kg
Cable	6,5 / 8 mm. (> 1.000 kg)
Output	2,0 up to 11,4 kw
Suspension	2:1
Standard headroom	3.700 mm.
Standard pit	1.200 mm.
Travel	up to 45 m.
Control unit	Installed in door frame*

*Automatic doors 120 mm.

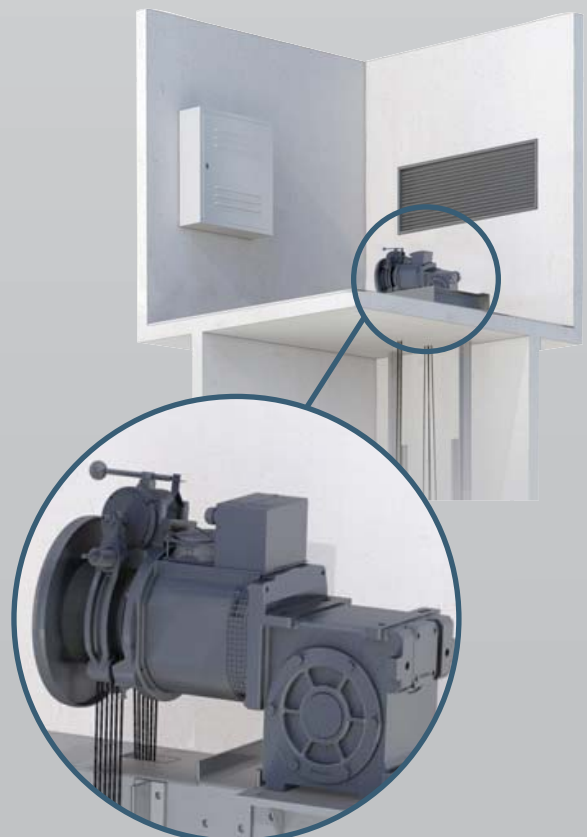
• **Control panel in door frame**



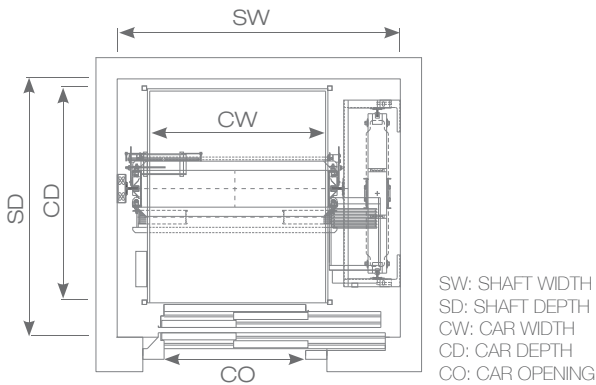
• **Without machine room**



• **With machine room**

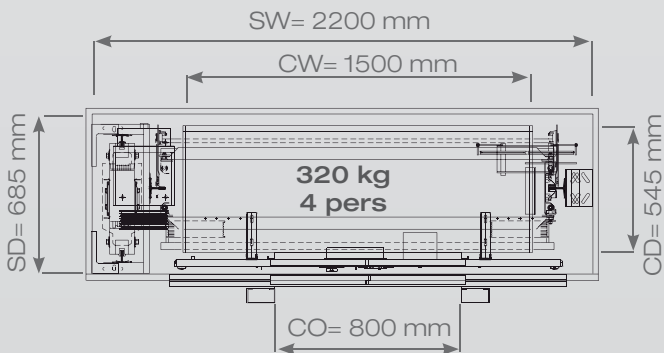


Drawing of landing



Q (kg)	SW	SD	CW	CD	CO
180	1310	960	750	750	700
225	1310	1100	750	870	700
320	1400	1300	900	1000	700
450	1500	1460	1020	1210	800
630	1600	1660	1120	1410	800
800	1930	1750	1300	1500	900
1000	1730	2350	1100	2100	900
1125	2000	2350	1250	2100	1000
1250	2050	2350	1300	2100	1000
1600	2250	2500	1500	2250	1200
2000	2150	3050	1500	2700	1300
2500	2550	3050	1800	2700	1600

• Minimum shaft standard



• Monophase 220V possibility

(*) Monophase 220V to following speeds:

Q (Kg)	Nominal speed (m/s)
320	Up to 0,6
450	Up to 0,5
630	Up to 0,4

