



1.1

Symbio is an electric lift with or without a machine room, capable to adapt to any shaft needs, pit and/or headroom.

Wide loads spectrum.

► Applications

Residential building
Shopping centres
New development
Hotels
Hospitals
Offices
Bedlifts
High rise installations
High traffic

Advantages

Available for new buildings as well as for existing shafts with reduced pit or headroom (EN81.21).

Versatile:

There is no need for a designated machine room area, this allows greater space utility within the building. Even though it is the quintessential new development lift, it can adapt to almost any shaft dimensions including special shafts.

Flexibility/adaptability:

Customer tailored. Extensive load range, sizes, and speeds. Robust, resistant, and trustworthy. Able to locate operation control panel within the door frame (120mm width) as well as on the landing. Power supply either single-phase or three-phase.

Comfort:

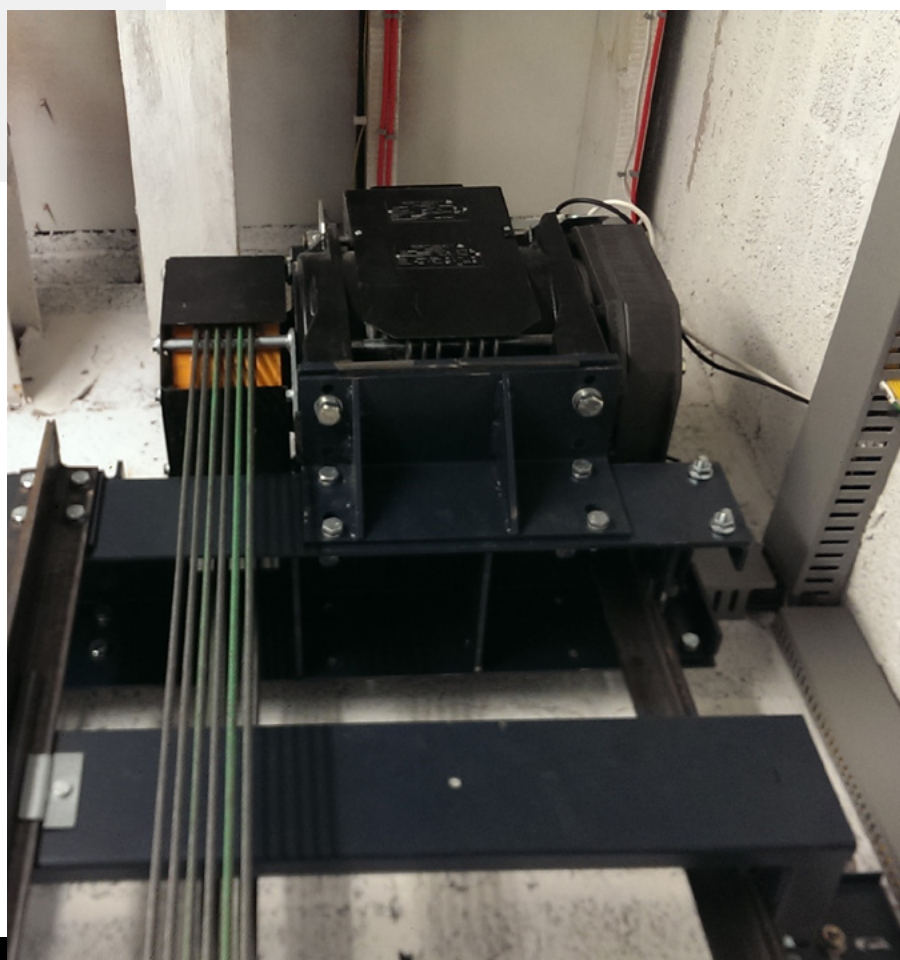
It guarantees a high level of comfort and minimal noise during its travels thanks to a centred arcade sling and 2:1 roping.

Great durability:

Reduced maintenance. The equipment has a long-life expectancy and nearly non-existent repairs.

Easy installation:

Mature design plug and play. Bedplate resting on the guides to minimise space.



Technical characteristics

Rated load (Kg)	300 - 1.600
Rated speed (m/s)	0,5 - 3,0
Machine room	CCM / SCM
Travel (m)	Up to 100
Roping	2:1
Traction ropes diameter (mm)	6,5 - 8,0
Guiding system	Buffered guide shoes for greater comfort.

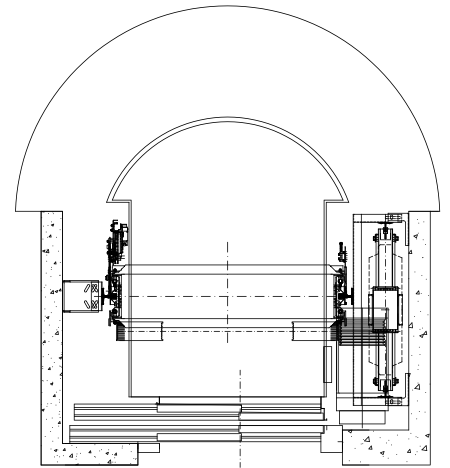
Q (kg)	Minimum Pit (mm)		Minimum Headroom (mm) ⁽¹⁾	
	Min pit	Necessary headroom	Min headroom	Necessary pit
450	330	3.375	2.955	660
630	330	3.375	2.975	720
1.000⁽²⁾	330	3.355	3.105	720
1.000⁽³⁾	380	3.355	3.060	730
1.600	450	3.500	3.265	770

Entrance	0 - 180°
Door type	Automatic - Semiautomatic
Panoramic/scenic car options	Yes
Weatherproof	Yes

(1) Data for installations at 1m/s. Headroom calculated with 2.005 mm car internal height.
 (2) Minimum headroom & pit for P+Q up to 1.933 kg.
 (3) Minimum headroom & pit for P+Q up to 2.750 kg.

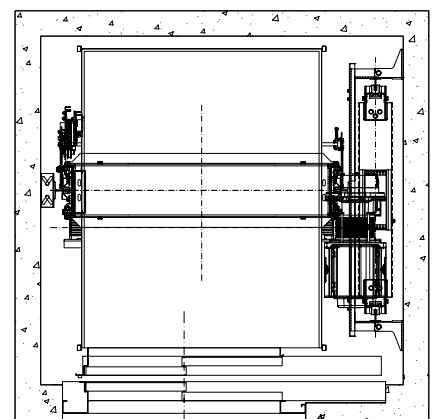
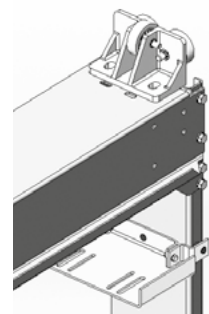
Special solutions.

Possible configurations for irregular shafts.



High speeds
Up to 3m/s.

For speed $\geq 1,6\text{m/s}$, car frame with triple rollers. Maximum comfort.



Technical characteristics Symbio HR

Rated load (Kg) 300 - 1.500

Rated speed (m/s) 0,5 - 1,0

Machine room CCM / SCM

Travel (m) Up to 100

Roping 2:1

Traction ropes diameter (mm) 6,5 - 8,0

Guiding system Buffered guide shoes for greater comfort.

Q (Kg)	Minimum Headroom (mm) ⁽²⁾	
	Min headroom	Min pit
450	2.430	660
630	2.430	720
1.000⁽³⁾	2.430	720
1.000⁽⁴⁾	2.600	730
1.600	3.200	770

Entrance 0 - 180°

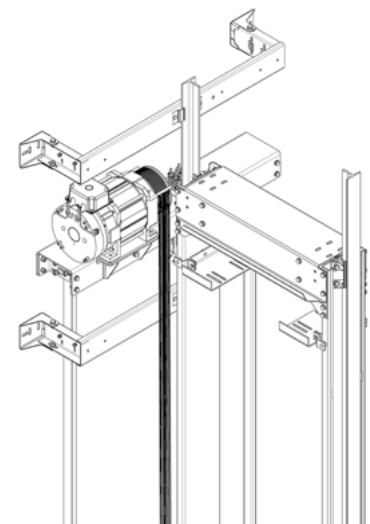
Door type Automatic - Semiautomatic

Panoramic/scenic car options Yes

Weatherproof Yes

Bespoke solutions

Symbio HR
Headroom 2.430 mm.⁽¹⁾



(1) Minimum headroom for lift cars EN81-70, type 2 and shaft width of 1.600 mm.

(2) Data for installations at 1m/s. Headroom calculated with 2.005 mm car internal height.

(3) Minimum headroom & pit for P+Q up to 1.933 kg.

(4) Minimum headroom & pit for P+Q up to 2.750 kg.

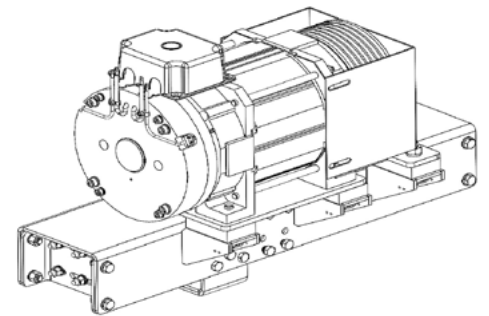


Technical characteristics Symbio PF

Rated load (Kg)	300-600 ⁽¹⁾
Rated speed (m/s)	0,5 - 1,0
Machine room	CCM / SCM
Travel (m)	Up to 50
Roping	2:1
Traction ropes diameter (mm)	6,5
Guiding system	Buffered guide shoes for greater comfort.

Symbio PF
Shaft depth 720 mm.

Max speed 1m/s
Control panel on landing

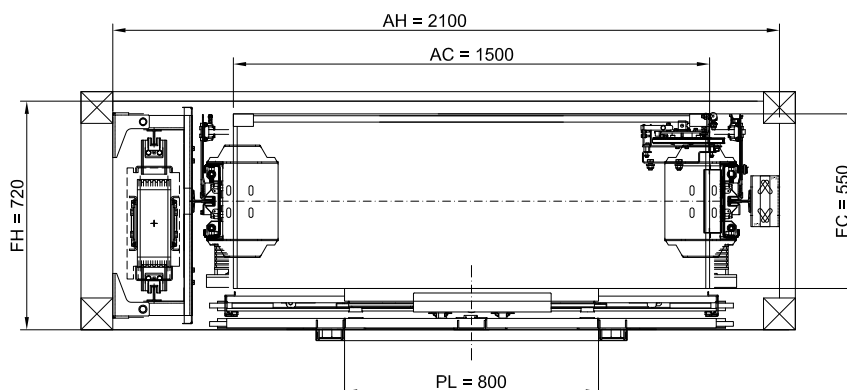


Q (Kg)	Minimum Pit (mm)		Minimum Headroom (mm) ⁽²⁾	
	Min pit	Necessary headroom	Min headroom	Min headroom
450	330	3.375	2.955	660
630	330	3.375	2.975	720

Entrance	0 - 180°
Door type	Automatic - Semiautomatic
Panoramic/scenic car options	Yes
Weatherproof	Yes

(1) For other loads, please consult.

(2) Data for installations at 1m/s. Headroom calculated with 2.005 mm car internal height.



Technical characteristics Symbio G

Rated load(Kg)	1.800-3.200
Rated speed (m/s)	0,5 - 1,0
Machine room	CCM / SCM
Travel (m)	Up to 50
Roping	2:1
Traction ropes diameter (mm)	8 - 10
Guiding system	Buffered guide shoes for greater comfort.
Minimum pit (mm)	1.500-1.700
Minimum headroom (mm) ⁽¹⁾	4.000-5.000
Entrance	0 - 180°
Door mechanism	Automatic
Panoramic/scenic car options	Yes
Weatherproof	Yes

