



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:

It isn't necessary a designated machine room area, this allows greater space utility within the building. Even though is the quintessential new development lift, it can adapt to infinity shaft dimensions. 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 landing. Power supply either single-phase or three-phase.

Comfort:

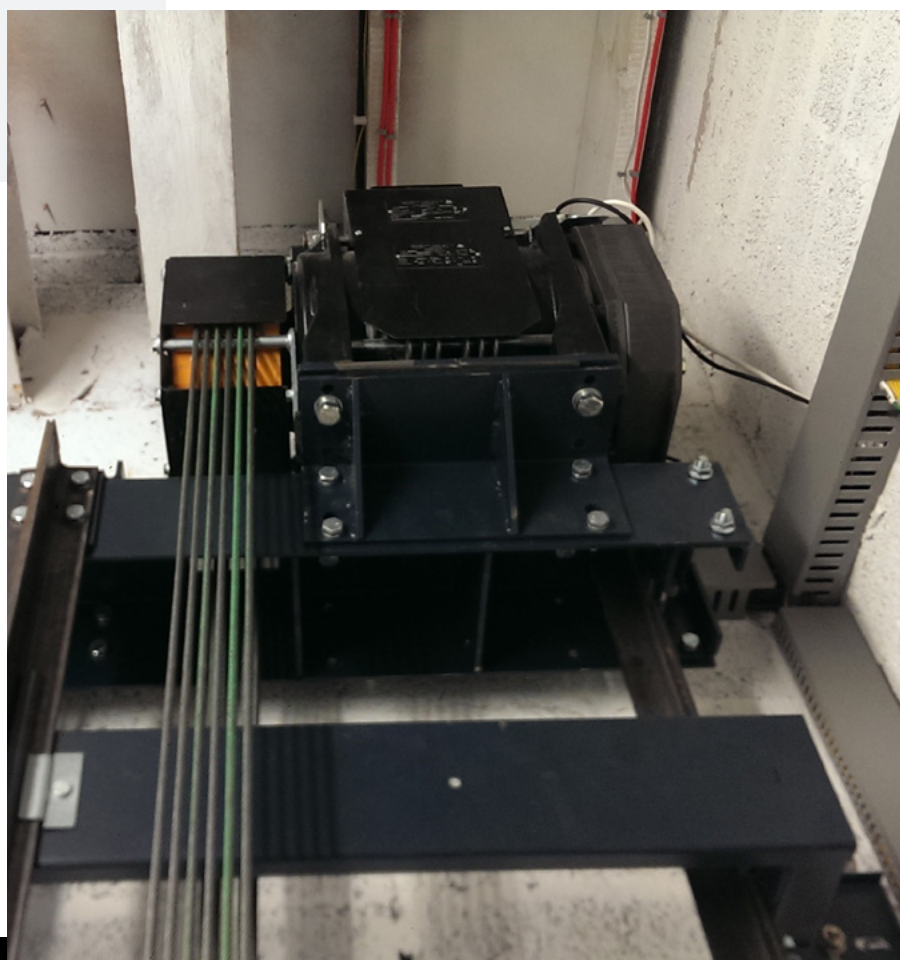
It guarantees a high level of comfort and minimal noise during its travels thanks to a centred arcade sling and 2:1 roping.

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 - 1600
Rated speed (m/s)	0,5 - 3,0
Machine room	CCM / SCM
Travel (m)	Up to 50
Roping	2:1
Rope diameter (mm)	6,5 - 8,0

Guiding system Buffered guide shoes for greater comfort.
Always triple rollers for speed $\geq 1.6\text{m/s}$

NOTE: CEP-1600 sling cannot have buffered guide shoes.

Minimum Pit (mm)			Minimum Headroom (mm) ⁽¹⁾	
Q (Kg)	Min pit	Necessary headroom	Min headroom	Necessary pit
450	310	3.310	3015	630
630	310	3.310	3015	680
1.500	350	3.310	3335	720
1.600	420	3.500	3335	720

Entrance 0 - 180°

Door type Automatic - Semiautomatic

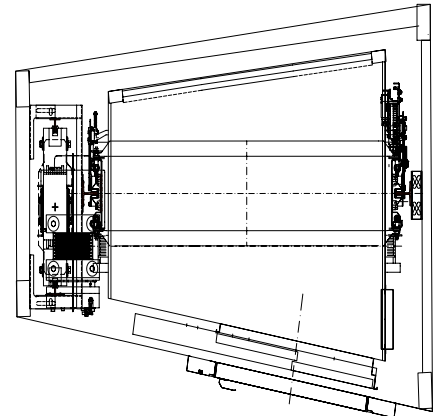
Panoramic car Yes

Weatherproof Yes

(1) Data for installations at 1m/s. Headroom calculated with 2005 mm car internal height.

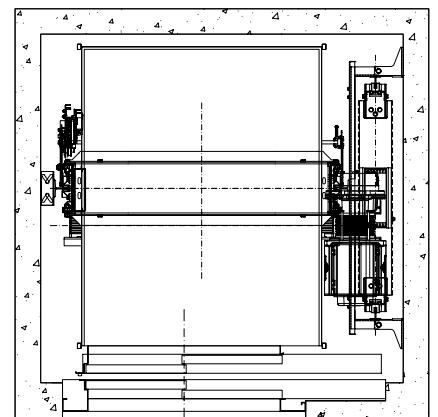
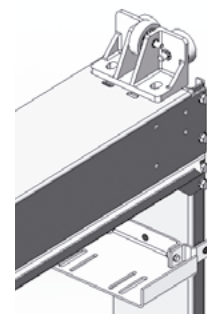
Special solutions.

Possible configurations for irregular shafts.



High speeds Speed 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 - 1500

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

Machine room CCM / SCM

Travel (m) Up to 50

Roping 2:1

Rope diameter (mm) 6,5 - 8,0

Guiding system Buffered guide shoes for greater comfort.

NOTE: CEP-1600 sling cannot have buffered guide shoes.

Minimum Pit (mm)			Minimum Headroom (mm) ⁽¹⁾	
Q (Kg)	Min pit	Necessary headroom	Min headroom	Necessary pit
450	630	2.635	2.635	630
630	680	2.635	2.635	680
1.500	720	2.655	2.655	720
1.600	720	3.200	3.200	720

Entrance 0 - 180°

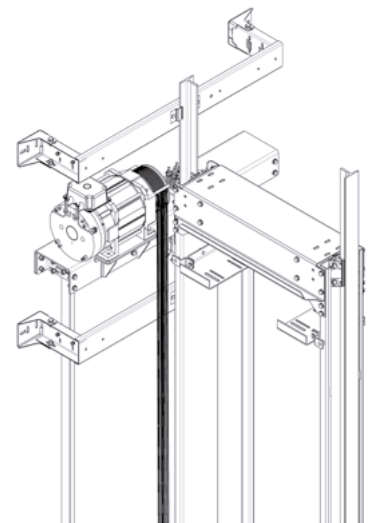
Door type Automatic - Semiautomatic

Panoramic car Yes

Weatherproof Yes

Bespoke solutions

Symbio HR
Headroom 2600mm.



(1) Data for installations at 1m/s. Headroom calculated with 2005 mm car internal height.



Technical characteristics Symbio PF

Rated load (Kg)	-
Rated speed (m/s)	0,5 - 1,0
Machine room	CCM / SCM
Travel (m)	Up to 50
Roping	2:1
Rope diameter (mm)	6,5 - 8,0

Guiding system Buffered guide shoes for greater comfort.

NOTE: CEP-1600 sling cannot have buffered guide shoes.

Minimum Pit (mm)			Minimum Headroom (mm) ⁽¹⁾	
Q (Kg)	Min pit	Necessary headroom	Min headroom	Necessary pit
450	310	3.310	3.015	625
630	310	3.310	3.015	680
1.500	410	3.310	3.335	720
1.600	410	3.500	3.335	720

Entrance 0 - 180°

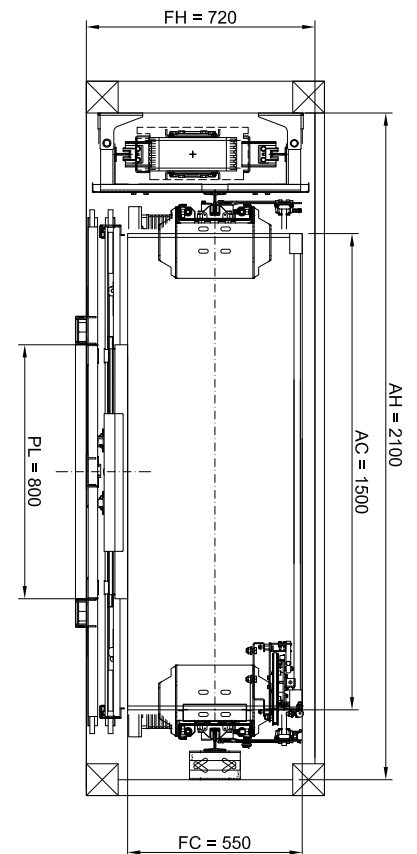
Door type Automatic - Semiautomatic

Panoramic car Yes

Weatherproof Yes

Symbio PF
Shaft depth 720 mm.

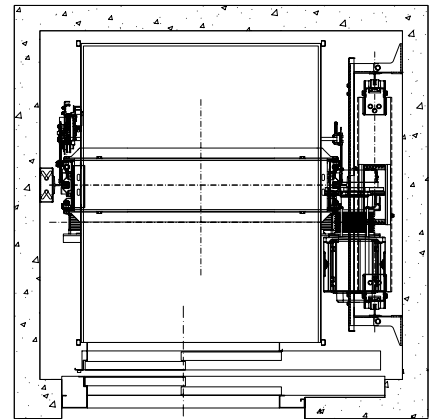
Max speed 1m/s
Control panel on landing



(1) Data for installations at 1m/s. Headroom calculated with 2005 mm car internal height.

Technical characteristics Symbio G

Rated load(Kg)	1800-3000
Rated speed (m/s)	0,5 - 1,0
Machine room	CCM / SCM
Travel (m)	Up to 50
Roping	2:1
Rope diameter (mm)	8 - 10
Guiding system	Buffered guide shoes for greater comfort.
NOTE: CEP-1600 sling cannot have buffered guide shoes.	
Minimum pit (mm)	1.400
Minimum headroom (mm) ⁽¹⁾	3.800
Entrance	0 - 180°
Door mechanism	Automatic
Panoramic car	Yes
Weatherproof	Yes



(1) Data for installations at 1m/s. Headroom calculated with 2005 mm car internal height.