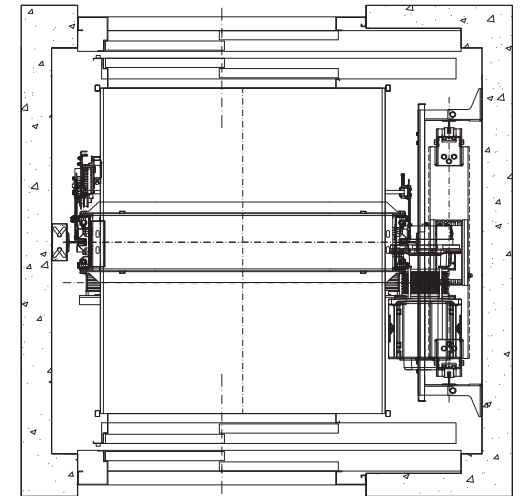
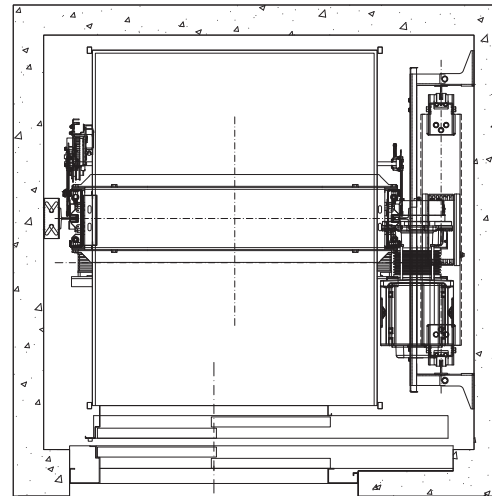
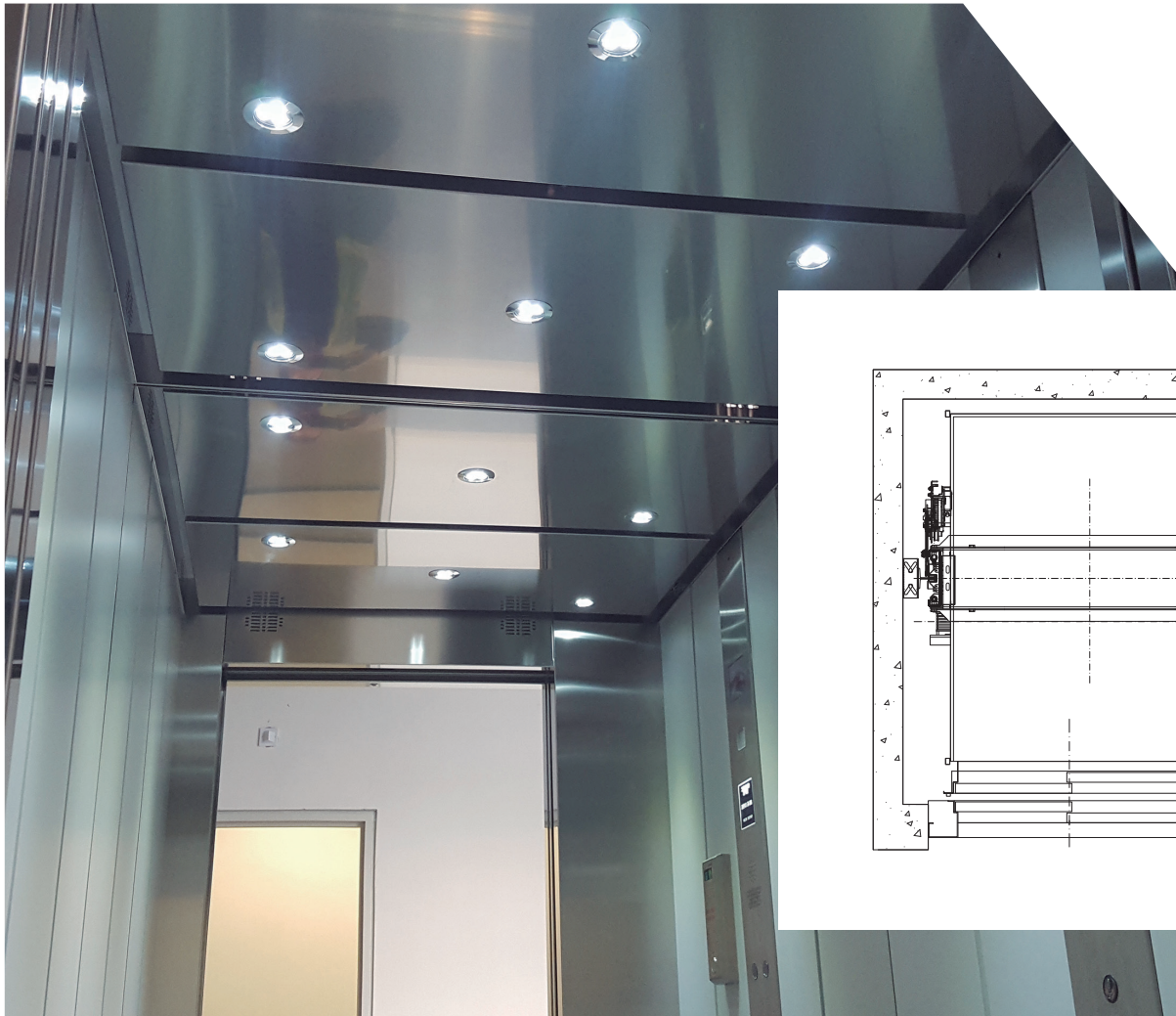


Traction / Gearless

Passenger Lift

SYMBIO

Symbio is a traction lift, with machine room or machine room-less, able to adapt to any need of shaft, pit or headroom. Wide range of loads.



Applications

- Residential Buildings
- Shopping Centers
- New Constructions
- Hotels, Hospitals
- Offices
- Stretcher Lifts
- High-rise Buildings
- High traffic

Advantages

Both for new buildings and existing shafts with reduced pit and headroom. (EN 81.21).

Versatility:

The machine room is not necessary, providing greater design freedom for the building. Despite which is the new construction shaft lift par excellence, is adaptable to an infinite number of shafts. Special shafts.

Flexibility / Adaptability:

Customized to each client. Wide range of loads, sizes and speeds. Robust, resistant and reliable. Possibility to place the control panel both in the frame of the landing door (width 120 mm) as in landing. Line Tension Triphasic or Monophasic.

Comfort:

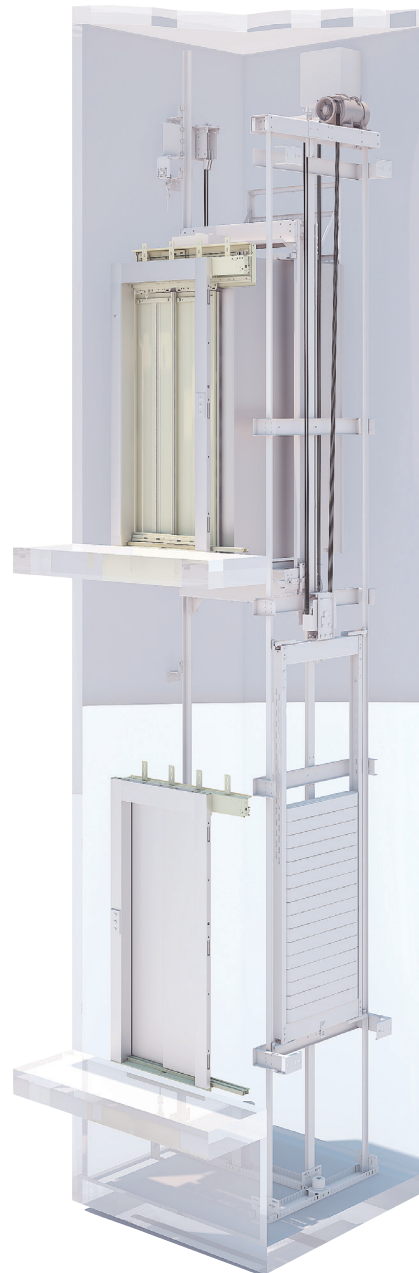
Thanks to the configuration with centered car frames and roping 2:1, maximum comfort level is guaranteed during movement with minimal acoustic contamination.

Great durability:

Reduced maintenance. The device has a long life and repairs are practically nil.

Easy installation:

Plug and play, developed design. Self-supporting bed plate supported on the guides themselves.



Technical Features

Duty speed:	Up to 3 m/s
Duty load:	Up to 3000 kg
Roping:	2:1
Standard pit:	1200 mm.
Standard headroom:	3600 mm.

Manufacturers

Car Frame	EMESA y TTV
Machines	SICOR, LEROY SOMER, CEG, ZIEHL-ABEGG, SASSI
Doors	FERMATOR, WITTUR, MEILLER
Control panel	CARLOS SILVA, SPRINTE, NEWLIFT, DIGITAL ADVANCE, ARKEL, LESTER, MEGOM
Pushbuttons	BST, SCHAEFER, DEWHURST

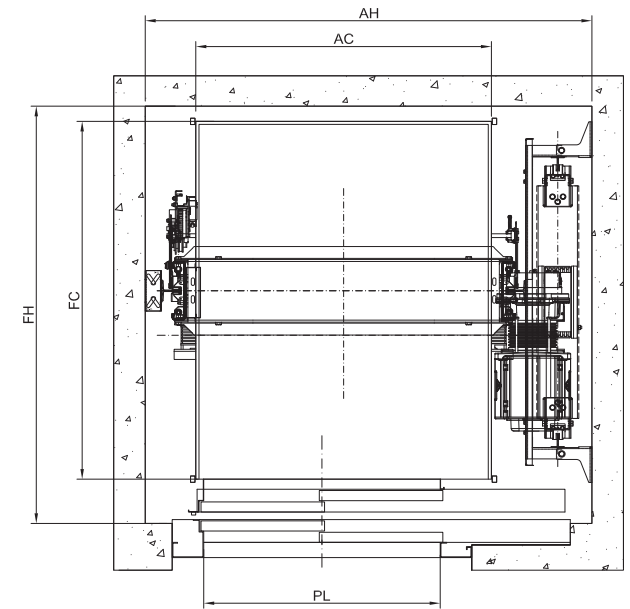
Standard sizes

Q (kg)	AH	FH	AC	FC	PL
320	1400	1250	900	1000	700
450	1500	1500	1000	1250	800
630	1600	1660	1100	1400	900
800	1920	1750	1300	1500	900
1000	1600	2350	1100	2100	900
1250	1960	2460	1300	2200	1000
1500	2130	2700	1400	2400	1200
2000	2290	3050	1500	2700	1300
2500	2630	3050	1800	2700	1600
3000	2730	3050	1900	2700	1600

* Data for installations at 1 m/s with single entrance, automatic doors, standard pit and headroom. Other configurations or shaft sizes, on request.

Q (kg)	Low Pit (EN81.21)		Low head (EN81.21)	
	Low Pit (mm)	Required headroom (mm)	Low Head (mm)	Required pit depth (mm)
450	310	3310	2600	630
630	310	3310	2600	680
1500	350	3310	2600	700
1600	420	3500	2640	730

* Data for installations at 1 m/s. Intermediate pit and headroom sizes, on request. Minimum calculated headroom with a car interior height of 2005 mm.

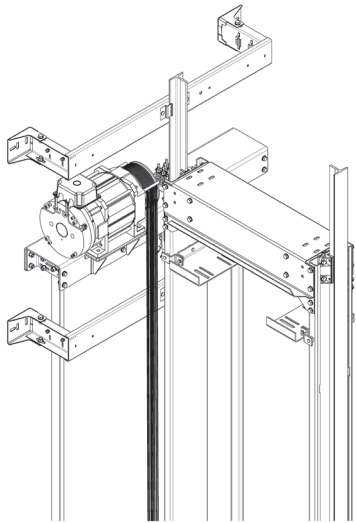


Customised solutions

Symbio HR

Headroom 2600 mm.

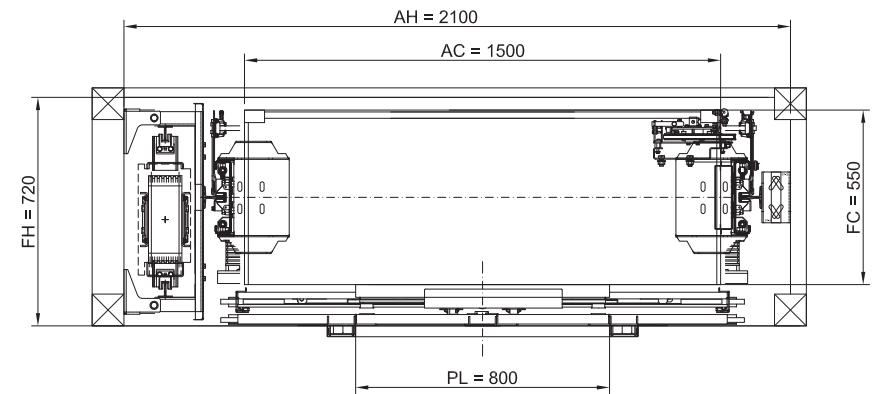
Maximum load: 1500 kg.
Maximum speed: 1 m/s.
Car interior height: 2005 mm.
Landing control panel cabinet.



Symbio PF

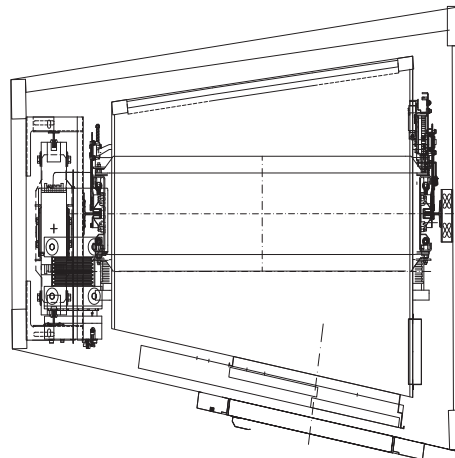
Shaft depth 720mm.

Maximum speed: 1 m/s.
Landing control panel cabinet.



Special solutions

Possibility of special configurations for irregular shafts.



High speeds

$V = 3 \text{ m/s}$

Speeds $\geq 1.6 \text{ m/s}$, triple roller guiding.
Maximum comfort

