



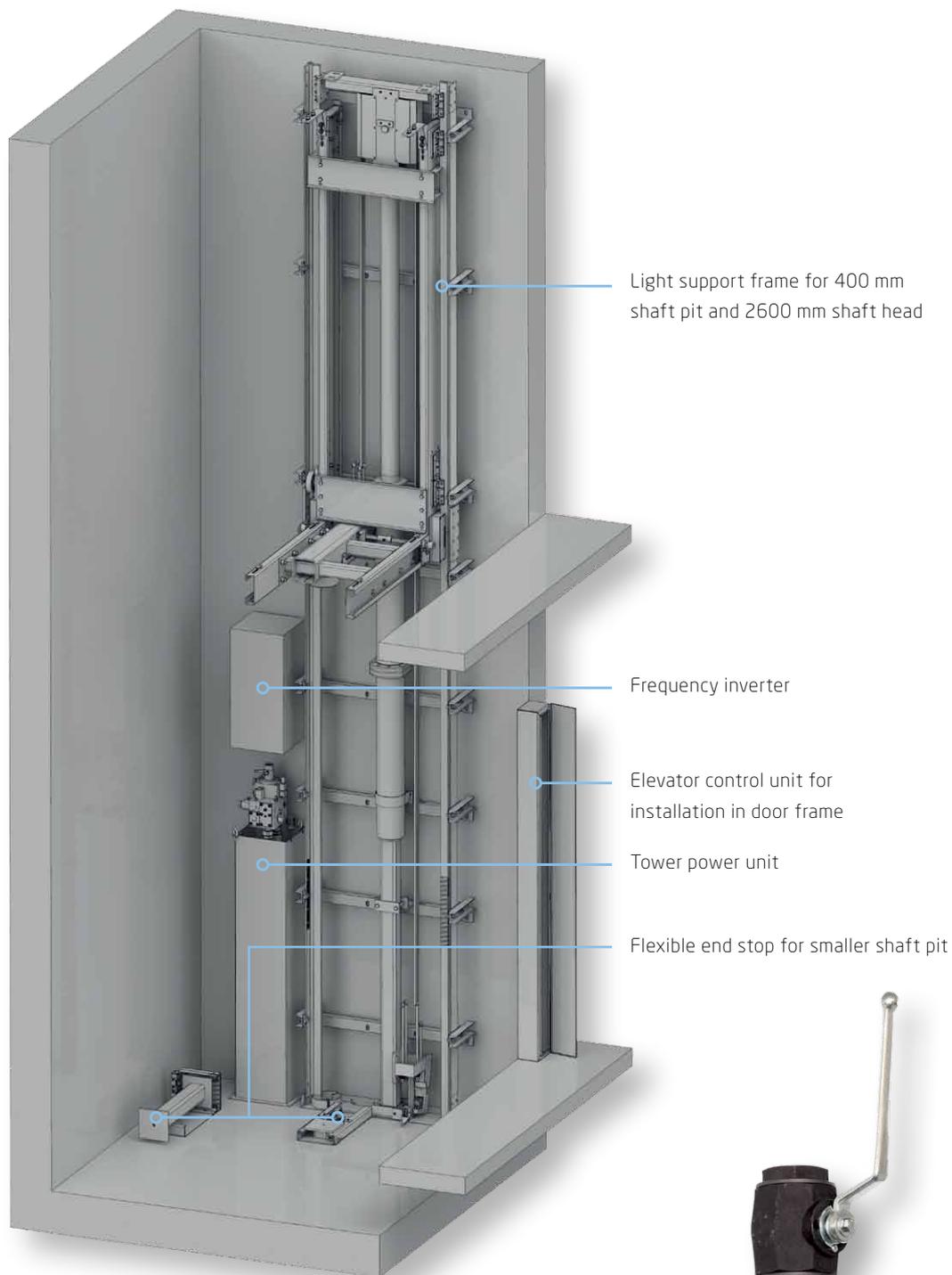
# SILUTION

The machine-room-less passenger elevator

Silution is short for Silent Revolution. ALGI is setting new standards with this energy saving, low noise, machine room less elevator. It's simple and compact design allows travel heights up to 16 meters and a maximum load capacity of 630 kg.

- » with up to **37%** reduced power consumption
- » extremely quiet and smooth-running elevator





### Drive

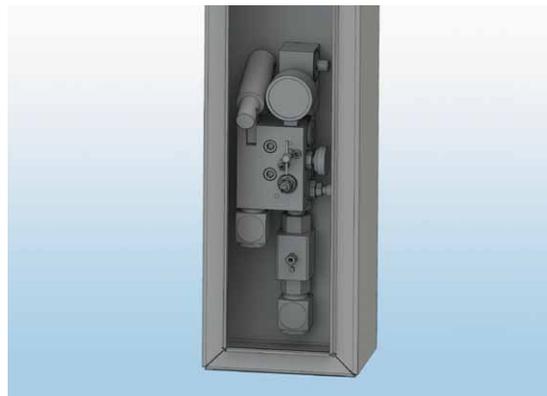
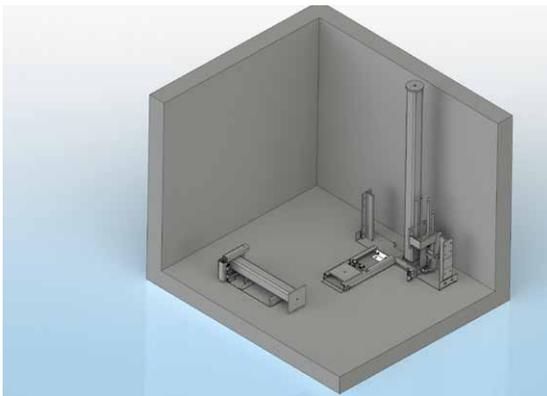
The energy saving frequency controlled drive and the control of the motor without contactors provides a smooth and comfortable ride. The frequency controlled drive reduces the current requirement of the incoming mains as well as lower energy consumption. The power unit and variable speed drive are positioned on the side of the guide rails in the lift shaft, meaning no additional structural alterations to the building.





### Reduced Headroom and Pit Depth

The compact design of this clever elevator system allows a reduced pit depth of 400 mm and a headroom of 2600 mm. The flexible end stop for reduced safety distances is an economically attractive solution. The combination of our innovative telescopic toe guard, the magnetic shut-off valve and the additional pilot valve to prevent unintended movement comply with the European regulations of the elevator guideline 95/16/EG.



The components of the local drive are literally built into the entrance of the door frame at the lowest floor. The emergency manual lowering is positioned at the bottom of the vertical power unit.

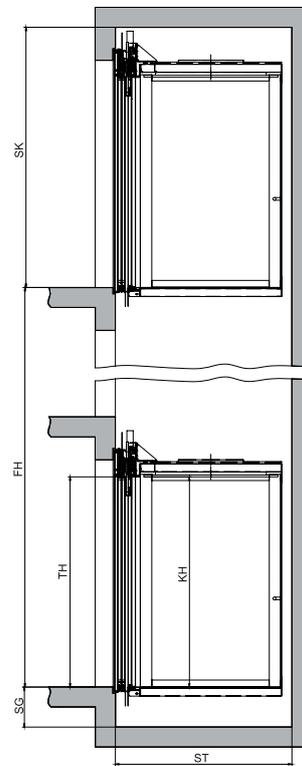
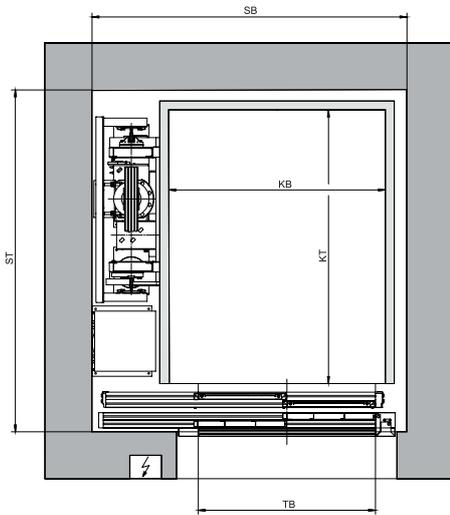
### The cabin

Our light, robust and functional 'Classic Line' cabin is the perfect match for the Silution. Fresh and friendly wall colours compliment the dark rubber flooring and full height mirrors combine to create a classy atmosphere.





**Technical data**



Nominal load (kg)	450		630			
Cabin weight (kg)	650		690			
People	6		8			
Max. Speed rate (m/s)	0,63		0,63			
Max. height range FH (m)	16		16			
Max. stops	7		7			
One-sided entrance (EL)	ja		ja			
Two-sided entrance (DL)	nein		ja			
Cabin width KB (mm)	1000		1100			
Cabin depth KT (mm)	1250		1400			
Clear cabin height	2100		2100			
Cab and shaft doors	Double panel telescopic sliding doors					
Door width TB (mm)	800	900	800	900	900	900
Door height TH (mm)	2000	2000	2100	2100	2000	2100
Shaft width min. SB (mm)	1500	1600	1500	1600	1600	1600
Shaft depth (with alcove) (mm)	1650		1750		1900	
Shaft depth (without alcove) (mm)	1700		1800		1960	
Height of shaft head SK (mm)	3400		2600*		3400	
Depth of shaft pit SG (mm)	1000		400*		1000	
Suspension	1:2		1:2		1:2	
Drive	Hydraulic drive „ECO SPIN“					
Type of drive	Frequency control VVF					
Max. number of consecutive trips per hour	120		120		120	
Nominal currency at travel height 9000 mm (A):						
v constant 0.56 m/s	27 A		33 A		33 A	
p constant 0.56 m/s	19 A		22 A		22 A	
p constant 0.45 m/s	16 A		17 A		17 A	
Stopping accuracy (mm)	< 5 mm		< 5 mm		< 5 mm	

\* Reduced headroom and shaft pit

