



Eco friendly

Energy efficient

Quiet, Smooth & Accurate

VVVF Hydraulics



ECO SPIN





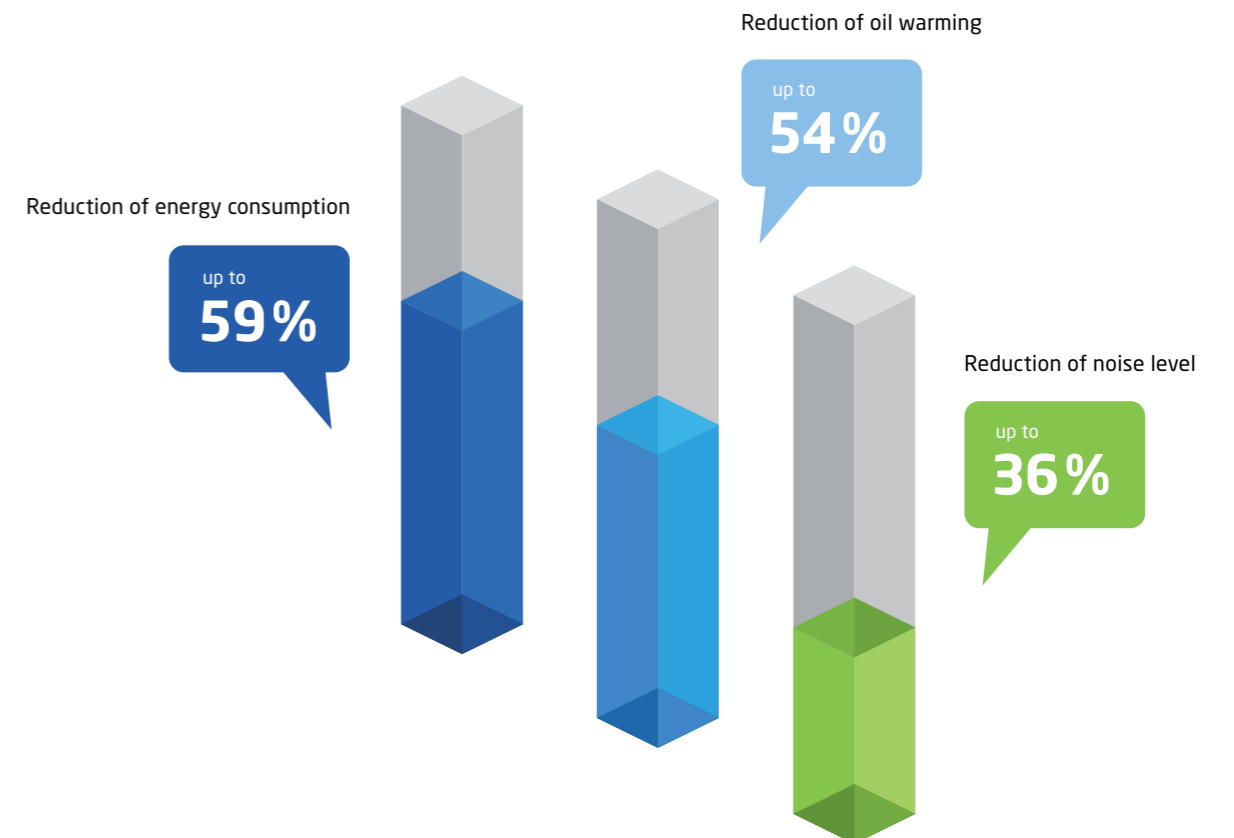
Frequency controlled hydraulic elevator system suitable for new elevators and drive modernisations.



Benefits of ECO SPIN - VVVF Hydraulic:

- » reduced energy consumption and power requirements
- » elimination of soft starter
- » less heat development
- » huge elimination of noise
- » lower oil quantities

ALGI state-of-the art frequency controlled hydraulic drive sets new standards in terms of energy consumption, heat efficiency and noise level.

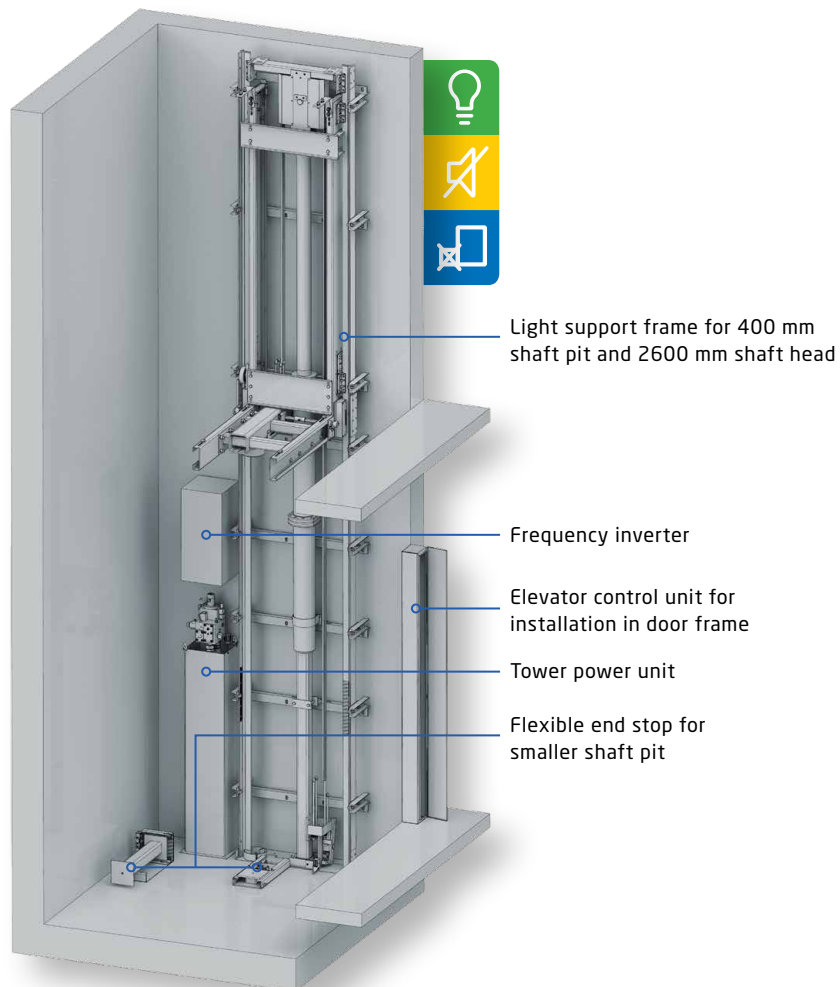


The machine-room-less VVVF hydraulic for passenger elevators

ALGI is setting new standards with this energy saving, low noise, machine-room-less elevator system for new lifts and modernisations. Our simple and compact design allows travel heights up to 16 m and a maximum load of 1000 kg.

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 lowering energy consumption. The power unit and frequency inverter are positioned on the side of the guide rails in the lift shaft, meaning no additional structural alterations to the building.



Technical data

	Frequency control at constant speed	Frequency control at constant power input
Nominal speed DOWN:	0.6 m/s	0.6 m/s
Nominal speed UP empty:	0.6 m/s	0.6 m/s
Nominal speed UP (2 persons):	0.6 m/s	0.53 m/s *
Nominal power:	11 kW	7,5 kW
Rated current:	35.9 A	22.7 A
Starting current:	<10 A	<6 A
Pump size:	100 l/min	100 l/min
Max. ride without cooler:	180	>180
Heat to be dissipated at 120 rides /h:	870 W	756 W
Cooler required:	no	no
Noise emission UP:	49 dBA	49 dBA
Noise emission DOWN:	50 dBA	50 dBA

Elevator data:

Payload: 630 kg Travel height: 9000 mm
 Car weight: 820 kg Cylinder arrangement: 1:1
 Speed: 0.6 m/s Cylinder type: TAZ 33GL3

* Load-dependent lifting speed:

4 persons: 0.47 m/s
 6 persons: 0.42 m/s
 8 persons: 0.38 m/s