



1.3

Optimus is the traction lift with or without machine room and is the most shaft-optimised lift on the market.

► Applications

Residential
Refurbishment
Existing shafts
Modernizations
Minimum shaft dimensions

Advantages

Flexibility:

Allows single, double, and triple entrance. Ideal for 90° solutions.

Single-phase:

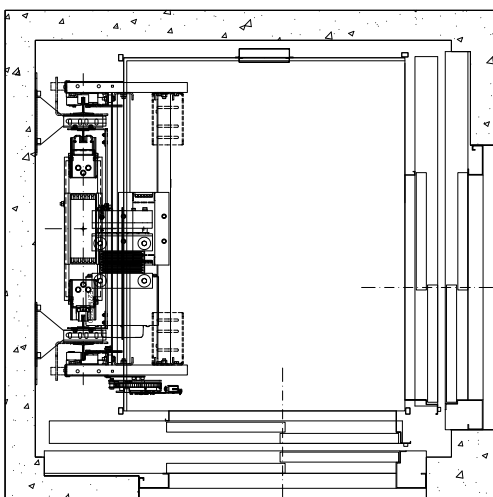
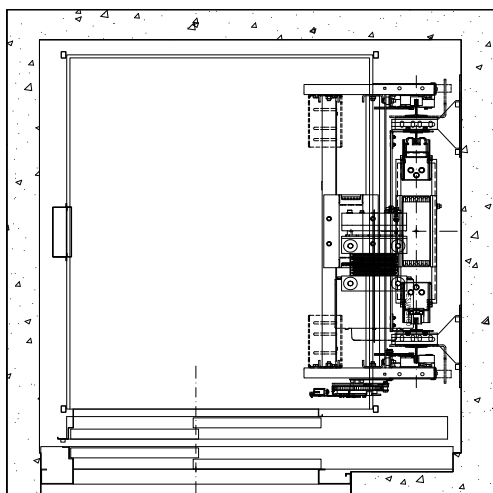
Works on any single-phase 220 V socket.

Easy installation:

Self-supporting bed-plate easy to assemble.

Adaptability:

Possibility to design with EN 81.21 standard compensatory measures for reduced pit and headroom. Customised to each client.



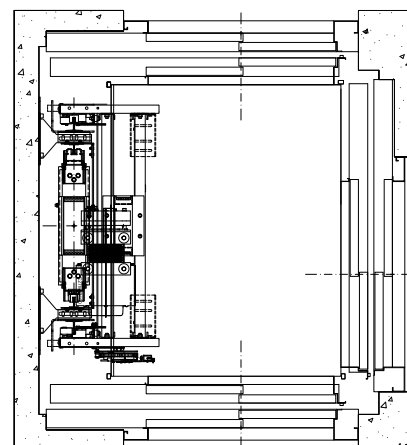
Technical characteristics Optimus

Rated load (Kg)	180 - 1.250
Rated speed (m/s)	0,5 - 1,0
Machine room	CCM / SCM
Entrances	0-90° - 180° - 270°
Roping	1:1 2:1
Traction ropes diameter (mm)	6,5 - 8,0
Guiding system	Special liners or rollers on the safety gear side ensure optimal operation

Minimum Pit (mm)			Minimum Headroom (mm) ⁽¹⁾	
Q (Kg)	Min pit	Necessary headroom	Min headroom	Necessary pit
450	300	3.400	3.225	640
630	300	3.400	3.225	640
1.250	470	3.050	3.050	470

Travel	Up to 50
Door type	Automatic - Semiautomatic
Restrictive technical measure	270
Panoramic/scenic car options	Yes
Weatherproof	Yes
Power supply	Single-phase / three-phase

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



Technical characteristics Optimus FHR

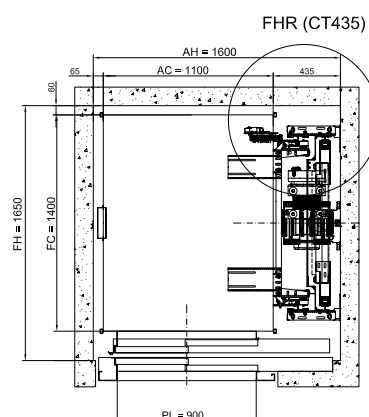
Rated load (Kg)	180 - 630
Rated speed (m/s)	0,5 - 1,0
Machine room	CCM / SCM
Entrances	0-90° - 180° - 270°
Roping	2:1
Traction ropes diameter (mm)	6,5
Guiding system	Special liners or rollers on the safety gear side ensure optimal operation
Minimum pit (mm)	300
Minimum headroom (mm) ⁽¹⁾	2.750
Travel (m)	Up to 50
Door mechanism	Automatic - Semiautomatic
Restrictive technical measure (mm)	435
Panoramic car	Yes
Weatherproof	Yes
Power supply	Single-phase / three-phase

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

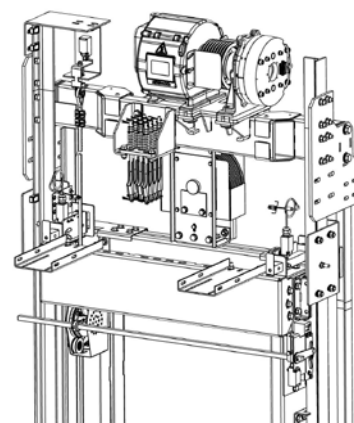
Bespoke Solutions

Restrictive technical measure 435 mm.

Q max: 630 Kg (Qt max: 1550 Kg)
Minimum pit: 265 mm.
Minimum headroom: 2400 mm.
Technical measure: 435 mm.



FHR-3D



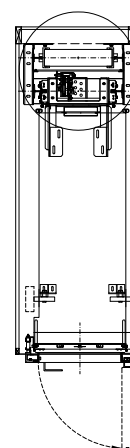
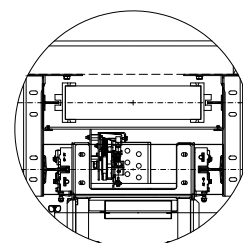
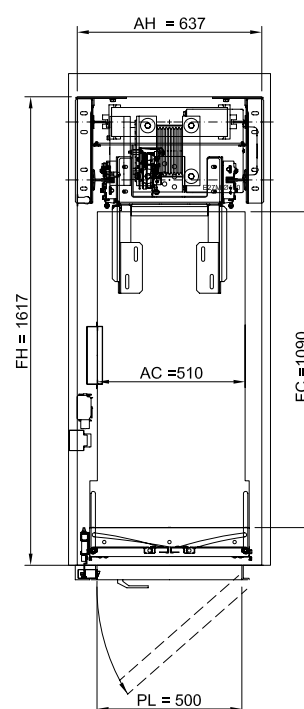
Technical characteristics Optimus GP

Rated load (Kg)	180 - 375
Rated speed (m/s)	0,5 - 1,0
Machine room	CCM / SCM
Entrances	0-90° - 180° - 270°
Roping	2:1
Traction ropes diameter (mm)	6,5
Guiding system	Rollers
Minimum pit (mm)	350
Minimum headroom (mm) ⁽¹⁾	If HR 2.750 mm/ If normal 3.200 mm
Travel (m)	Up to 50
Door mechanism	Automatic - Semiautomatic
Restrictive technical measure (mm)	410
Panoramic car	Yes
Weatherproof	Yes
Power supply	Single-phase / three-phase

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

Optimus GP
Shaft width 650mm.

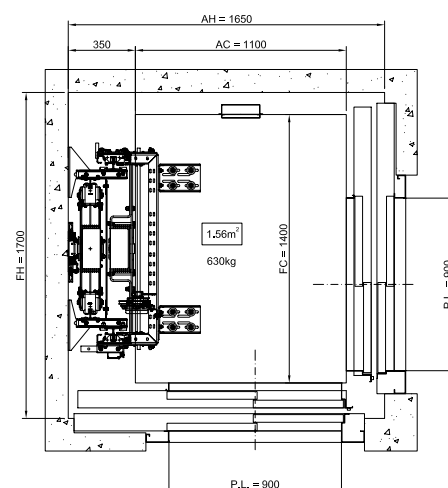
Q max: 375 kg (Qt max: 1165 kg.)
Min. pit: 320 mm.
Min. headroom: 2840 mm.
Restrictive technical measure: 395 mm.
Control panel on landing.



Technical characteristics Optimus FHR PR 281

Rated load (Kg)	180 - 630
Rated speed (m/s)	0,5 - 1,0
Machine room	CCM / SCM
Entrances	0-90° - 180° - 270°
Roping	2:1
Traction ropes diameter (mm)	6,5
Guiding system	Rollers
Minimum pit (mm)	350
Minimum headroom (mm) ⁽¹⁾	2.460
Travel (m)	Up to 50
Door mechanism	Automatic - Semiautomatic
Restrictive technical measure (mm)	350
Panoramic car	Yes
Weatherproof	Yes
Power supply	Single-phase / three-phase

Optimus 81.70
Entrance 90°



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