

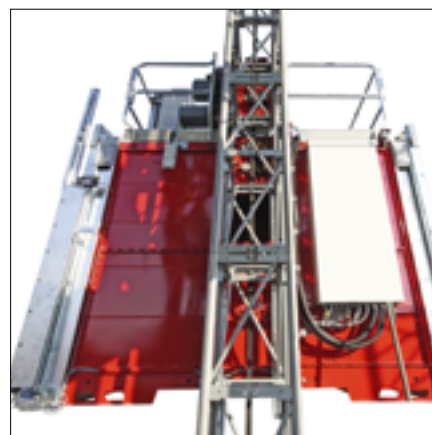


Construction hoist

Falcon H48 series

Technical data

- Modular structure
- Designed for mid-range and demanding use
- Maximum cage length 3.2 m
- Maximum payload 2000 kg or 24 persons
- Maximum lifting speed 36 m/min



H48 series

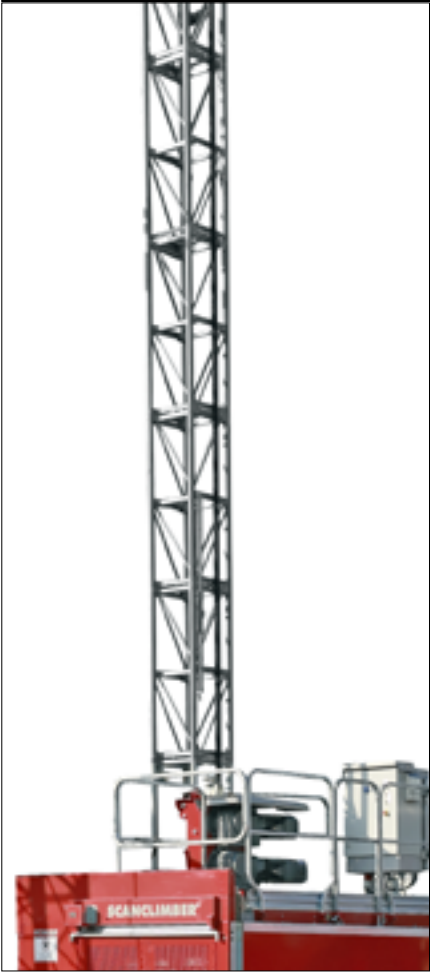
Cage and doors	Data
Internal length	2400 mm/3200 mm
Internal width	1390 mm
Door opening (width x height)	1390 mm x 2000 mm
Payload <i>(number of persons in 2.4 m/3.2 m cages according to EN12159-1)</i>	1400 kg or 16/17 persons 2000 kg or 16/24 persons
Speed	36 m/min
Lowest cage floor height from ground	395 mm
Cage 2.4 m <ul style="list-style-type: none">• without doors and drive unit• with doors, w/o drive unit	780 kg 1140 kg
Cage 3.2 m <ul style="list-style-type: none">• without doors and drive unit• with doors, w/o drive unit	890 kg 1250 kg
Cage door module	180 kg
Cage door module with hydraulic ramp	270 kg
Drive unit	485 kg



Ground station	Weight
Ground station for 2.4 m cage	1170 kg
Ground station for 3.2 m cage	1260 kg
Twin ground station additional back wall	87 kg



Mast



PG114065	Mast section 1.5 m single
PG116475	Mast section 1.5 m twin
Shape:	Square mast
Mast section height:	1508 mm
Mast dimensions, C-C:	480 mm x 480 mm
Weight, single:	78 kg
Weight, twin:	86 kg
Surface coating:	Hot dip galvanised
Max. anchor spacing: <ul style="list-style-type: none">• 1400 kg• 2000 kg	12 m 9 m
Max. free mast after topmost anchor: <ul style="list-style-type: none">• 1400 kg• 2000 kg	6 m 4.5 m
Max. free-standing lifting height:	6 m *)



*) depending on foundation, cage amount (single or twin) and payload

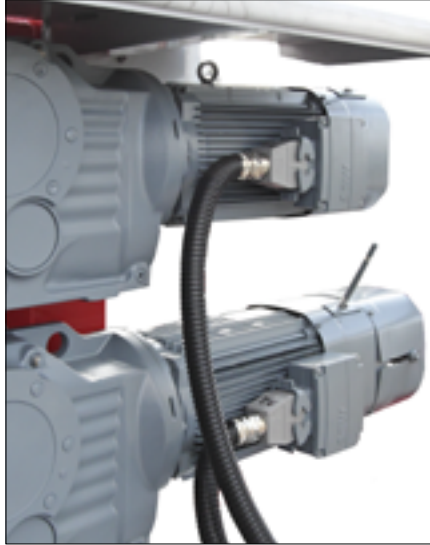
Safety devices



Mechanical safety brake	Overload detection device
Emergency lowering system	Inductive mast sensor
Safety railings (1.1 m) on roof	Residual current device
Limit switches on top and bottom mast ends	Spring loaded brakes in lifting motors
Safety limit switches on top and bottom mast ends	Position detection switches in cage and landing doors/gates



Electric system



	SC1432	SC2032-48
Drive unit	Top drive	Top drive
Relay control, Direct-On-Line start	Yes	-
Relay control with frequency inverter	Yes	Yes
PLC, Direct-On-Line start	Yes	-
PLC with frequency inverter	Yes	Yes
Lifting motors, Direct-On-Line start	2 x 9.2 kW	-
Lifting motors, with frequency inverter	2 x 7.5 kW	2 x 9.2 kW
Supply voltage/fuses	400V/50Hz 63A/5p	400V/50Hz 63A/5p
Starting power, Direct-On-Line start	91 kVA	-
Starting power with frequency inverter	44 kVA	52 kVA
Starting current, Direct-On-Line start	226 A	-
Starting current with frequency inverter	110 A	130 A

Options



Side sliding landing gates (h=1.1 m)
 Double-leaf landing gates (h=1.1 m)
 Full height landing doors (h=2.0 m)
 Hydraulic ramp
 Wide variety of mast anchorings



Pipe line
 Frequency inverter
 Programmable logic control (PLC)
 Automatic rack lubrication system
 Foundation frame for concrete slab
 Cable trolley system



Scanclimber is the world's technology leader in mast climbing equipment for both temporary and permanent installations. The company has its corporate head office in Pirkkala, Finland, and manufacturing in Gniezno, Poland.

The company employs more than 200 people in Europe and Asia. Scanclimber creates value for its customers with high quality, reliable and flexible



Scanclimber Oy, Turkkirata 26, FI-33960 Pirkkala | www.scanclimber.com
 Tel. +358 10 680 7000, Fax +358 10 680 7033

Authorised partner