

3. TECHNICAL SPECIFICATIONS

Maximum Load Capacity	1,200 Kg
People	12
Lifting Speed	40 m / min
Cabin dimensions	1,500 x 2,100 x 2,200 mm
Cabin door dimensions	1,400 x 2,000 mm
Min. required elevator way dimensions	2,600 x 2,500 mm
Lifting Height	30 m
Mast sections dimensions	600 x 600 x 1,500 mm
N. Anchorages (every 4 mast sections)	6
Landings	Base + 2
Relative Humidity	93%
Environment Conditions	Outdoor
Ambient temperature	- 5°C until + 60°C

EQUIPPED BASE ENCLOSURE

- High base structure with buffers assembled
- Complete base enclosure: 2.0 m high
- Integrated 2.0 m high swinging doors with mechanical and electrical locking •
transmitted to the concrete 1 Kg/cm²

Material of the panels: Hot dip galvanized steel

Material of the door: Hot dip galvanized steel

EQUIPPED CABIN (Completely sealed)

- Two manual and vertical sliding doors, mechanically locked and electrically controlled, methacrylate window included
- Two gear brake motors assembled on the roof of the cabin
- All the motors will be designed with insulation class H
- Automatic rack lubricator system
- Over - speed safety device
- Control panel in a recessed box
- Overload protection device
- Emergency exit ladder
- Escape hatch, electrically controlled
- Cabin light

Material of the car panels: Aluminum or hot dip galvanized steel

Material of the car door: Aluminum or hot dip galvanized steel

Material of the car floor and roof: Steel checker plate

EQUIPPED MAST SECTIONS

- Module 8
- Plug - in - system
- Safety mast section on top without rack

Material of the mast sections: Hot dip galvanized steel

Material of the rack: Cold galvanize steel

EQUIPPED LANDINGS

- Front-sided landing door enclosures (+/- 500 mm at each side for screening)
- One integrated and manual bi-swing door, mechanically locked and electrically controlled •

Landing call stations

Material of the side screens: Hot dip galvanized steel

Material of door: Hot dip galvanized steel

EQUIPPED ANCHORAGES

- Bracing length is adjustable and can be secured using bolts
- Efforts to the principal structure: Extraction 1,100 Kg / Shearing 860 Kg / Vertical 500 Kg

Material of the anchorages: Hot dip galvanized steel

3.2 General electrical data

Number of Motor (as a preliminary design)	2
VFC Frequency	Yes
Frequency	50 Hz
Gear box ratio	1:15
IP Protection	IP 66
Voltage fluctuation	± 5 %

EQUIPPED ELECTRICAL INSTALLATION

- Cable guides positioned every two section masts
- A emergency limit switch is positioned to control the end of the travel of the cabin. Skids fitted to the mast sections, both upper and lower, allow this control
- A limit switch controls the presence of the rack
- Feeding line in height will be standard with basket in the base enclosure

Material of the electric cable guides: Hot dip galvanized with certificate

Technical Data Sheet Inquiry

Subject: INDUSTRIAL ELEVATOR RACK&PINION 1.2 TON

Code	Description	Quantity
E5000	PERSONNEL AND MATERIALS HOIST -12 <ul style="list-style-type: none">○ Maximum load capacity: 1200 Kg or 12 people○ Speed: 40 m. /min.○ Cabin dimensions: 1.5 X 2.1 X 2.2 m.○ Base enclosure (2m. height), electro-mechanical interlock, hot-dip galvanized○ Fully manufactured in hot-dip galvanized steel and aluminum○ Electronic managing system○ Overload control system○ Over speed safety brake installed on an independent pinion○ Complying with EN81&12159 European regulations○ Motor gear box IP66 and temperature class H	1
E5033	MAST SECTION SET 1.5 M HEIGHT FOR -10 <ul style="list-style-type: none">○ Including the proportional part of electric cable, anchorings, cable guides, screws, etc.○ Anchoring every 9 m.	22
E5050	ELECTRONIC FREQUENCY INVERTER SYST.50m/min	1
E5020M	FLOOR DOOR FOR ELEVATORS -10/15/20/25 <ul style="list-style-type: none">○ Floor door with electrical and mechanical interlock for -10/15 and -25 models.○ Including supporting structural frame.	1
E5062	FLOOR PUSH-BUTTON FOR AUTOMATIC CONTROL SYSTEM	3
E5080	AUTOMATIC GREASING SYSTEM	1
30500	CABLE ROLLER FOR 40 mt	1
E1989	AUXILIARY DERRIC MAST SECTIONS -	1

Technical Data Sheet Inquiry

PERMANENT INDUSTRIAL ELEVATOR RACK&PINION 1.2 TON	
Item	Technical data
1	Complying with standard EN81&12159 European regulations (Industrial hoist)
2	Relative Humidity: 93%
3	Environment Conditions: Outdoor
4	Ambient temperature: - 5°C until + 60°C
5	Insulation class H
6	Speed: 40 m/min (Ability to increase speed up to 50 m/min by inverter)
7	Automatic sweeper
8	Automatic rack lubricator system
9	Over - speed safety device
10	Overload protection device
11	Emergency exit ladder
12	Motor gear box IP66 and temperature class H
13	Eelectronic frequency inverter syst.50m/min
14	Automatic monitoring fault
15	Equipped With air condition IP55