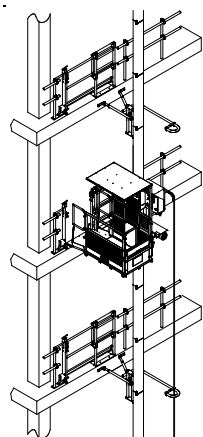


DATA SHEET PT 450



Mast compatible with other Alba hoists



CPU and automatic floor management



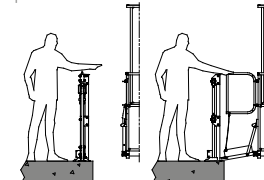
Overspeed parachute with auto-recovery system



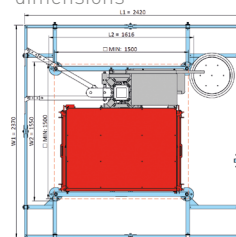
Landing levels call system



Folding ramps with automatic side protection



Installation dimensions



Dual operation mode: persons – loads



TECHNICAL FEATURES

	PT 450-2V	PT 450-1V
Maximum capacity	2 pax + 250 kg 450 kg	5 pax 450 kg
Vertical speed	12÷18 m/min.	17 m/min. [50 Hz] 20 m/min. [60 Hz]
Cage dimensions (LxWxH)	1.240 x 840 x 2.020 mm	
Minimum hoistway	□ 1.500 x 1.500 mm	
Motor power	2,2 kW [50 Hz]	2,2 kW [50 Hz] 2,65 kW [60 Hz]
Motor control	FREQUENCY CONVERTER	DIRECT
Maximum height (*)	90 m (*)	
Anchorage each (max.)	6 m	
Height over last anchorage	1,5 m	
First anchorage height	4 m	
Loading height-to-ground	400 mm	
Maximum load (assembly)	200 kg	
Noise emission value	<70 dB	
Normative reference	2006/42/CE	EN-12158

ELECTRICAL DATA

	PT 450-2V	PT 450-1V	
	50/60 Hz	50 Hz	60 Hz
Motor power	2,2 kW	2,2 kW	2,65 kW
Input power connection	380÷460V – 50/60Hz	400 V – 50Hz	440 V – 60Hz 220 V – 60Hz
Power consumption	4 kW	2,2 kW	2,65 kW
Nominal current	10 A	6 A	6 / 12 A
Supply power	8 kVA	8 kVA	
Starting current	-	33 A	33/66 A
Overload protection	4 x 16 A	4 x 10 A	4 x 10/16 A
Differential protection Calibre Sensitivity	16 A 300 mA	10 A 300 mA	10/16 A 300 mA
Control voltage	48 V		
Auxiliar handtools socket	230 V – 50/60 Hz 16 A		
Cable section	5 x 4 mm ²	5 x 2,5 mm ²	4x 4/6x 2,5 mm ²

MAST SECTION



Single square tube
Length: 1,5 m
Weight: 39 kg

Mast compatibility: (see p.20)
Mast climber: PEC 90
Material hoist: MC 450

SAFETY DEVICES INCLUDED AND OPTIONS

INCLUDED OPTION

GENERALS

Gearmotor with electromechanical brake	✓
Overspeed parachute with auto-recovery system	✓
Emergency lowering lever	✓
Cage doors with automatic side protection	✓
Landing doors with mechanical / electrical interlock	✓
Base enclosure with electrical interlock	✓
Hoist control display with signaling LEDs:	✓
- Cage door open.	
- Landing door open.	
- Enf of mast	
- Sup/inf endtrack.	
- Aux. Crane interfering	
- Last 2 m zone.	
- Overspeed parachute	
- Cage overload	
- Motor overheat fault	
- Hoist free / busy	
Automatic floor management	✓
Buffers at the ground base	✓
Hoist control CPU, with event log	✓
Superior / Inferior endtrack limit switch	✓
Safety endtrack limit switch	✓
Overload detection device	✓
Mast presence switch	✓
Last mast without rack	✓
Motor with brake wear signal	✓
Cage floor of non-slipping galvanized steel	✓
Movement warning horn (LAST 2 m.)	✓ PT-450-2V
Phase control	✓
Emergency stop	✓
Landing levels call system	✓
Parachute test remote control	✓
Automatic griser	✓

(*) Case of higher installation height, ask to the manufacturer.