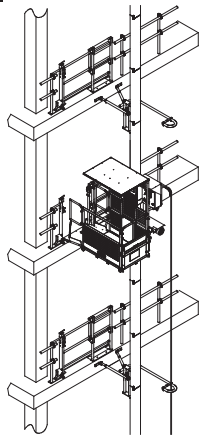


# DATA SHEET PT 450



Mast compatible with other Alba hoists



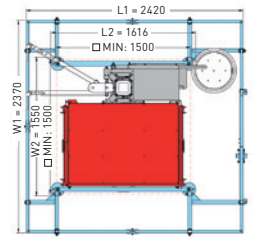
CPU and automatic floor management



Landing levels call system



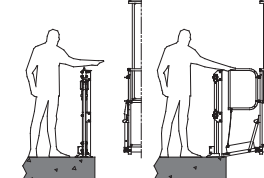
Installation dimensions



Overspeed parachute with auto-recovery system



Folding ramps with automatic side protection



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 (*)	120 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	
Regulations reference	2006/42/CE	EN-12158

## ELECTRICAL DATA

	PT 450-2V		PT 450-1V	
	50/60 Hz	50 Hz	60 Hz	60 Hz
Motor power	2,2 kW	2,2 kW	2,65 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	2,65 kW
Nominal current	10 A	6 A	6 / 12 A	6 / 12 A
Supply power	8 kVA	8 kVA		8 kVA
Starting current	-	33 A	33/66 A	33/66 A
Overload protection	4 x 16 A	4 x 10 A	4 x 10/16 A	4 x 10/16 A
Differential protection Calibration Sensitivity	16 A 300 mA	10 A 300 mA	10/16 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 <sup>2</sup>	5 x 2,5 mm <sup>2</sup>	4x 4/6x 2,5 mm <sup>2</sup>	

<b>MAST SECTION</b> 	<b>Single square tube</b> Length: 1,5 m Weight: 39 kg	<b>Mast compatibility: (see p.50)</b> Mast climber: PEC 90 Material hoist: MC 450
-------------------------	---	---

(\*) For greater heights, ask to manufacturer.

## SAFETY DEVICES INCLUDED AND OPTIONS

	INCLUDED	OPTION
<b>GENERALS</b>		
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		
- Upper/lower 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	✓	
Upper/lower 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 greaser	✓	