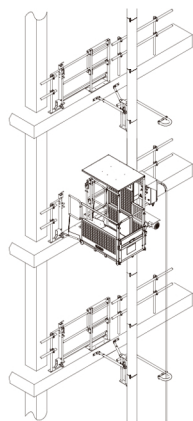


DATA SHEET PT 450



Mast compatible with other Alba hoists



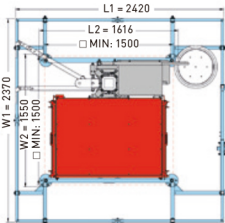
CPU and automatic floor management



Landing levels call system



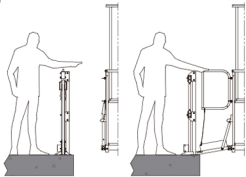
Installation dimensions



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

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 - 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		✓

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 Calibration 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 mm²	5 x 2,5 mm²	4x 4/6x 2,5 mm²

MAST SECTION



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

Mast compatibility: [see p.50]
Mast climber: PEC 90
Material hoist: MC 450

(*) For heights exceeding 90 m, ask to manufacturer.