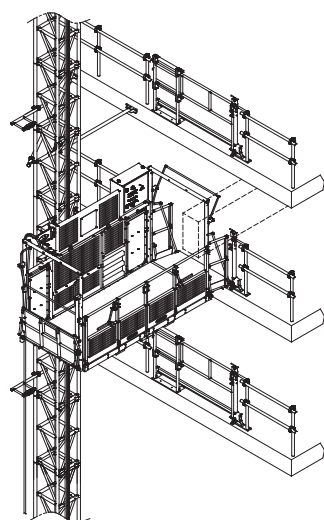


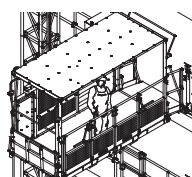
DATA SHEET PT 1800



Mast compatible with other Alba hoists



Falling object protection guard - removable



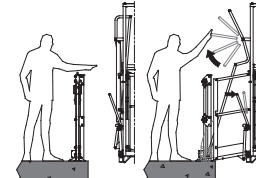
Overspeed parachute with auto-recovery system



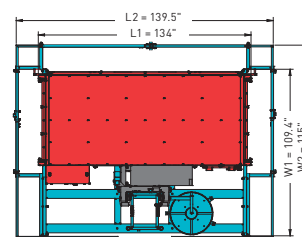
CPU and automatic floor management



Folding ramps with automatic side protection



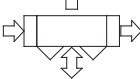
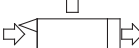
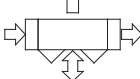
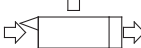
Installation dimensions



Dual operation mode: persons - loads



TECHNICAL FEATURES

	PT 1800FA-2V	PT 1800FB-2V	PT 1800FA-1V	PT 1800FB-1V
				
Maximum capacity	40 - 80 ft/min		66 ft/min	
Vertical speed	7 pax + 2,000 lb 4,000 lb		20 pax 4,000 lb	
Cage dimensions (LxWxH)	130 in x 55 in x 82 in		130 in x 55 in x 82 in	
Motor control	FREQUENCY CONVERTER		DIRECT	
Maximum height (*)	820 ft (*)			
Anchorage each (max.)	30 ft			
Height over last anchorage	10 ft			
First anchorage height	20 ft			
Loading height-to-ground with cable bin with cable trolley	2 ft 3 ft			
Maximum load (assembly)	1,100 lb			
Regulations reference	ANSI A92.10			

ELECTRICAL DATA

	PT 1800F-2V	PT 1800F-1V	
	50/60 Hz	50 Hz	60 Hz
Motor power	2 x 5.5 kW	2 x 5.5 KW	2 x 6.6 kW
Input power connection	380÷460 V – 50/60Hz	400 V – 50Hz	440 V – 60Hz
Power consumption	15 kW	11 kW	
Nominal current	32 A	25 A	
Supply power	30 kVA	20 kVA	
Overload protection	3 x 32 A		
Differential protection Calibration Sensitivity	32 A 300 mA		
Control voltage	48 V		
Auxiliar handtools socket	230 V – 50/60 Hz 1200 W		
Cable section	4 x 10 mm²		

SAFETY DEVICES INCLUDED AND OPTIONS

	INCLUDED	OPTION
GENERALS		
Gearmotors 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 / landing door open		
- End of mast		
- Upper/lower endtrack		
- Aux. Crane interfering		
- Fault on brake of motor		
- Last 2 m zone		
- Overspeed parachute		
- Cage overload		
- Motor overheat fault		
- Hoist free / busy		
Automatic floor management	✓	
Buffers at the ground base	✓	
Falling object protection guard	✓	
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	✓	
Aux. platform for mast and anchorage assembly	✓	
Aux. crane for mast assembly		✓
Motors with brake wear signal		✓
Cage floor of non-slipping galvanized steel	✓	
Movement warning horn (LAST 2 m)	✓	PT-2V
Phase control	✓	
Emergency stop	✓	
Landing levels call system		✓
Parachute test remote control		✓
Automatic greaser		✓

MAST SECTION



Square mast
Length: 58.6 in
Weight:
1Rack: 218 lb
2Rack: 260 lb

Mast compatibility: (see p.20)
Mast climber: PEC 130 / PEC 150
Material hoist: MC 2000
Passengers & material hoist: EDC 2000
Transport platform: PTB 3800

(*) h < 500 ft → Standard mast, / h > 500 ft → Reinforced mast.