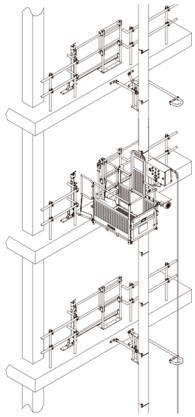


DATA SHEET MC 450



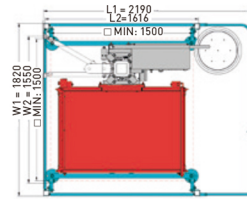
Mast compatible with other Alba hoists



CPU and automatic floor management



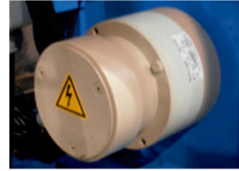
Installation dimensions



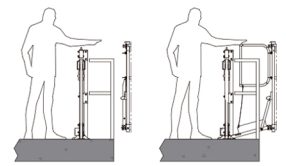
Landing levels call system



Overspeed parachute with auto-recovery system



Folding ramps with automatic side protection



TECHNICAL FEATURES

	MC 450	MC 450-1F
Maximum capacity	450 kg	
Vertical speed	17 m/min [50 Hz] 20 m/min [60 Hz]	
Cage dimensions (LxW)	1.240 x 840 mm	
Minimum hoistway	□1.500 x 1.500 mm	
Motor power	2,2 kW [50 Hz] 2,65 kW [60 Hz]	2,2 kW
Motor control	DIRECT	FREQUENCY CONVERTER
Maximum height (*)	120 m (*)	
Anchorage each (max.)	6 m	
Height over last anchorage	1,5 m	
First anchorage height	4 m	
Minimum load height	350 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
Gearmotor with electromechanical brake	✓	
Overspeed parachute with auto-recovery system	✓	
Emergency lowering lever	✓	
Cage door with automatic side protection	✓	
Landing doors with mechanical / electrical interlock		✓
Base frame enclosure		✓
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	✓	
Phase control	✓	
Emergency stop	✓	
Landing levels call system		✓
Parachute test remote control		✓
Automatic greaser		✓

ELECTRICAL DATA

	MC 450		MC 450-1F
	50 Hz	60 Hz	50/60 Hz
Motor power	2,2 kW	2,65 kW	2,2 kW
Input power connection	400 V – 50Hz	220 V – 60Hz 440 V – 60Hz	1F230 V – 50/60Hz
Power consumption	2,2 kW	2,65 kW	4 kW
Nominal current	6 A	12 / 6 A	13 A
Supply power	8 kVA		
Starting current	33 A	66/33 A	-
Overload protection	4 x 10 A	4 x 16/10 A	2 x 16 A
Differential protection Calibre Sensitivity	10 A 300 mA	16/10 A 300 mA	16 A 300 mA
Control voltage	48 V		
Auxiliar handtools socket	230 V – 50/60 Hz 16 A		
Cable section	5 x 2,5 mm ²	4 x 4 / 6 x 2,5 mm ²	3 x 4 mm ²

MAST SECTION



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

Mast compatibility: (see p.50)
Mast climber: PEC 90
Transport platform: PT 450

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