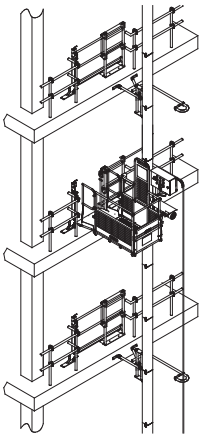
DATA SHEET MC 450



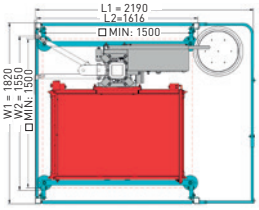
Mast compatible with other Alba hoists

CE

CPU and automatic floor management



Installation dimensions



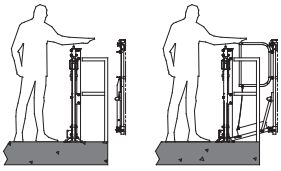
Landing levels call system



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	

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
Differencial 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 greater heights, ask to manufacturer.

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		√

In our constant improving, we reserve the right to make modifications. The images in this catalogue are merely illustrative and in no case contractual.