

PMH



Construction Hoist

RACK & PINION

The PMH is ideal for large and/or very tall buildings. With a maximum capacity of 7,100 lb it can lift up to 35 people at up to 260 ft/min travel speed, offering maximum productivity. It is available in several car sizes and has advanced technology with remote connection for management and diagnosis.

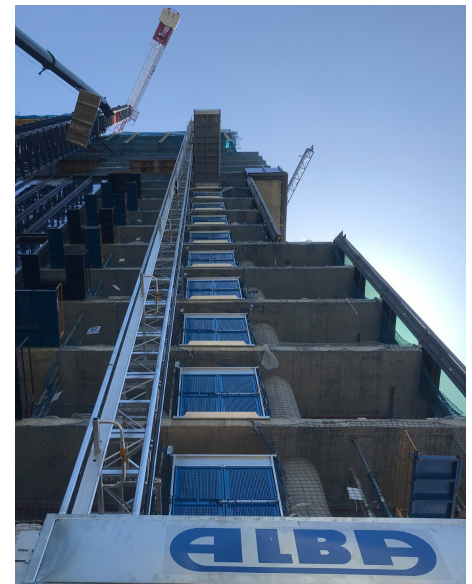
To double its capacity, an additional cabin can be installed on the same MC 650 square mast which was created specifically for this hoist and is compatible with other brands equipment.



Main Features:

- Max. load capacity: 7,000 lb (3,200 kg)
- Max. speed: 260 ft/min (80 m/min)
- Max. height: 1,150 ft (350 m) inquire about greater heights
- Cabin dimensions: 14' 8" x 5' x 7' 9" (4500 x 1550 x 2400 mm)

HIGHER PERFORMANCE GREAT LOAD CAPACITY



MAST SECTION



M650 Mast:

Length: 59" (1.5 m)

Weight:

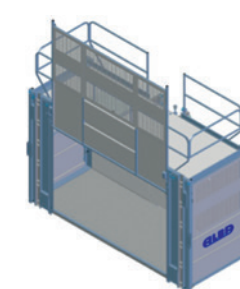
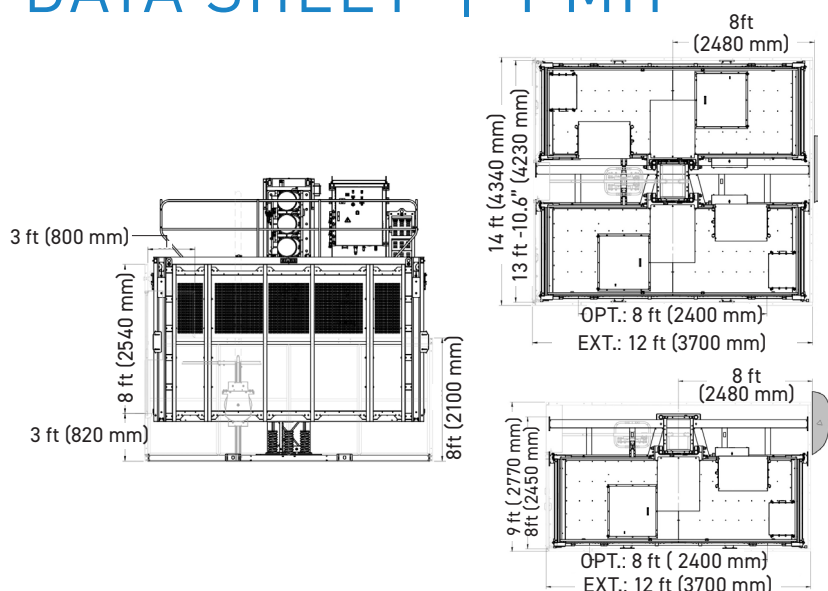
1 Rack: 309 lb (140 kg)

2 Rack: 360 lb (165 kg)

Galvanized Mast

Compatible with other brands equipment.

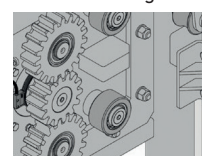
DATA SHEET | PMH



Lateral loading "C" door (option)
PLC with automatic or hold-to-run control



Remote connection
for hoist management



Overspeed parachute
with auto-recovery system

SAFETY DEVICES

INCLUDED

- Gear motors with electromechanical brake
- Overspeed parachute with auto-recovery system
- Emergency controlled descent
- Cabin doors with automatic side protection
- Control panel with diagnosis display
- Buffers at the ground base
- PLC and automatic floor selection
- Automatic or hold-to-run control
- Encoder based hoist positioning system
- Upper/lower track-end limit switch
- Safety track-end limit switch
- Overload detection device
- Mast presence switch
- Last mast without rack for safety
- Smooth starting with frequency converter
- Thermal protection probe inside motors
- Cabin floor of non-slipping steel sheet
- Movement warning horn
- Phase detection control
- Emergency stop
- Emergency exit, accessible roof with safety railing

OPTIONAL

- Landing doors with mechanical / electrical interlock
- Base enclosure according to ANSI A10.4
- Auxiliary crane for mast assembly
- Landing levels call system with traffic management
- Parachute test remote control
- Remote connection for hoist



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TECHNICAL FEATURES

	PMH 2033-40 PMH 2033-80	PMH 3233-40 PMH 3233-80	PMH 2745-40 PMH 2745-80
Maximum load capacity	4,400 lb (200 kg) 25 pax	7,100 lb (3,200 kg) 35 pax	6,000 lb (2,700 kg) 33 pax
Cabin dimensions (LxWxH)	130 x 61 x 94 in (3300 x 1,550 x 2400 mm)		177 x 61 x 95 in (4500 x 1,550 x 2,400 mm)
Vertical speed	130 ft/min (40 m/min) 260 ft/min (80 m/min)		
Motor control	Drive Unit		
Control Mode	Automatic or Button Control		
Maximum mast height (*)	1,150 ft (350 m) *		
Anchors every (max.)	40 ft (12 m)		
Height over last hanger	29 ft (9 m)		
Loading height-to-ground	2,700 ft (820 m)		
Noise emission value	<70 dB		
Regulations reference	EN-12159; 2006/42/CE; ANSI A10.4 /CSA Z185		

ELECTRICAL DATA

	PMH 2033-40 PMH 1545-40	PMH 3233-40 PMH 2745-40	PMH 2033-80 PMH 1545-80	PMH 3233-80 PMH 2745-80
Motor power	2 x 15 kW	3 x 15 kW	2 x 15 kW	3 x 15 kW
Input power connection	480V			
Power consumption	37 kW	55 kW	75 kW	130 kW
Nominal current	60 Amp	95 Amp	105 Amp	156 Amp
Supply power	50 kVA	75 kVA	100 kVA	200 kVA
Supply power (400V)	75 Amp	100 Amp	150 Amp	190 Amp
Overload protection	3 x 100 A	3 x 125 A	3 x 175 A	3 x 225 A
Differential protection Calibration Sensitivity	100 A 300 mA	125 A 300 mA	175 A 300 mA	225 A 300 mA
Control voltage	48 V			
Auxiliary hand tools socket	230 V - 1200 W			
Cable section	4 x AWG 5	4 x AWG 3	4 x AWG 3	4 x AWG 0

(*) For greater heights, contact the manufacturer