

PEC 120



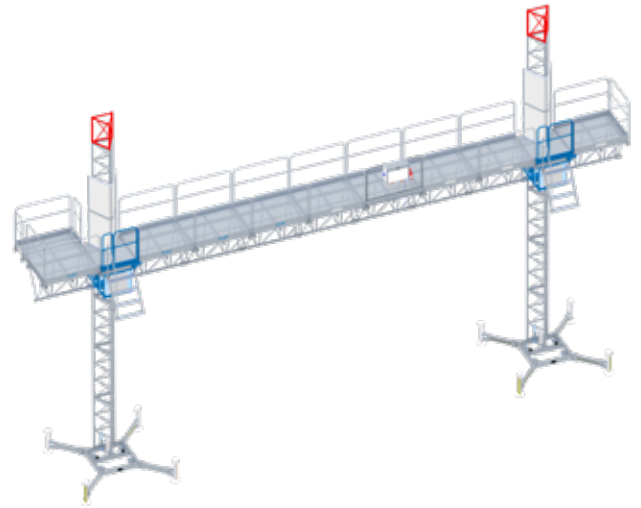
Mast Climber

RACK & PINION

ALBA'S BEST SELLING MAST CLIMBER

Mast climbers present many benefits in terms of safety by helping facilitate work in adverse weather conditions. Installation and disassembly time are reduced by up to 90% and work time by up to 40%, compared to other alternatives.

The PEC 120 platform can reach heights up to 400 ft (120 m) using the Alba triangle mast. The triangle mast is also compatible with other ALBA hoists, reducing stock and investment for customers. Single and double mast set ups allow for multiple configurations and platform lengths.



Main Features:

- Max. load capacity: 8800 lb (4000 kg) with twin masts
- Max. speed: 30 ft/min (9 m/min)
- Max. height: 400 ft (120 m) (inquire about greater heights)
- Max. length: 105' 4" (32 m) with twin masts
- Motor power: 2 x 2.65 kW (60 Hz)

EXCELLENT PERFORMANCE, UNBEATABLE PRICE



MAST SECTION



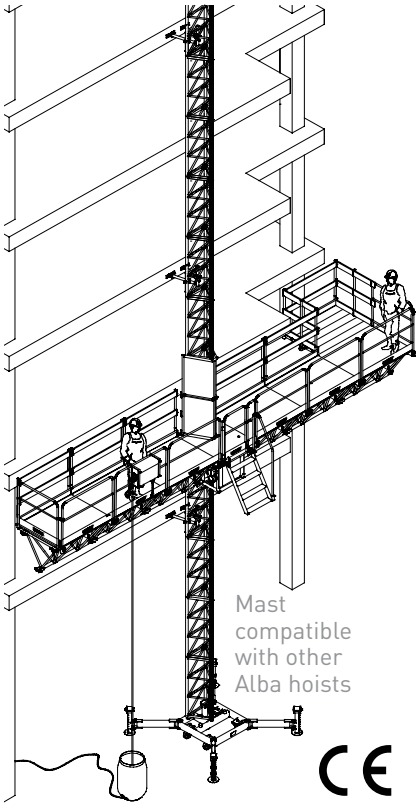
Triangle Mast

Length: 59" (1.5 m)
Weight: 104 lb (47 kg)

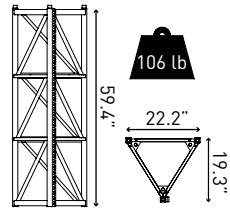
Mast Compatibility

Personnel & material hoist: EPM 1000
Material hoist: MC 1000
Transport platform: PT 1200

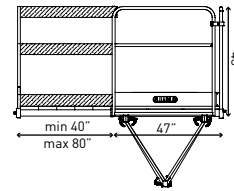
DATA SHEET | PEC 120



Mast compatible with other Alba hoists



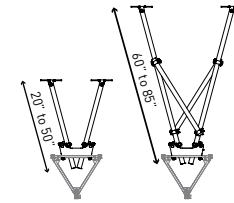
High strength and reduced weight



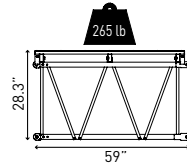
Platform with auxiliary extension



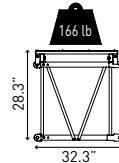
Panel with validating control system



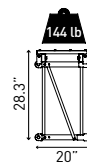
Arrangement of anchors



Platform module 1500

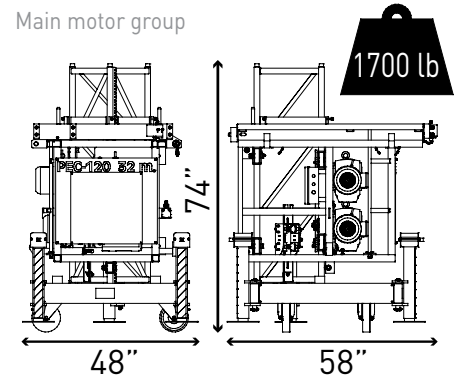


Platform module 820



Platform module 510

Main motor group



SAFETY DEVICES INCLUDED AND OPTIONAL INCLUDED

- Gear motors with electromechanical brake
 - Safety centrifugal brake
 - Emergency controlled descent
 - Platform door with safety micro-switch
 - Buffers at the ground base
 - Panel with validating control system
 - Upper/lower end-track limit switch
 - Safety end-track limit switch
 - Mast presence detector
 - Last mast without rack for safety
 - Automatic leveling system
 - Platform floor of non-slip galvanized steel
 - Movement warning horn
 - Phase detection control relay and warning LED
 - Emergency stop
 - Base frame equipped with wheels
 - Auxiliary hand tools socket
 - Input power connector with phase quick-change
- ### OPTIONAL
- Platform extension of special length
 - Modular floors for platform extension
 - Internal perimeter handrail posts
 - Safety networks to avoid falling materials
 - Angle 45° platform for special assemblies
 - Jib-crane rail system for load handling
 - Telescopic lateral handrail
 - Load limiter
 - Automatic greaser

TECHNICAL FEATURES

	SINGLE MAST	TWIN MAST
Maximum length	32 ft 9 in (10 m)	105 ft 4 in (32 m)
Maximum load	4,000 lb (1800 kg)	8,900 lb (4000 kg)
Vertical speed	30 ft/min (9 m/min)	
Platform width	47 in (120 cm)	
Platform extension	Standard: 40 in (102 cm) Max.: 80 in (204 cm)	
Motor power	2 x 2.65 kW (60 Hz)	4 x 2.65 kW (60 Hz)
Maximum height	400 ft (120 m)	
Anchorage each (max.)	20 ft (6 m)	
Height over last anchorage	5 ft (1.5 m)	
First anchorage height (max.)	20 ft (6 m)	
Loading height-to-ground	59 in (150 cm)	
Regulations reference	ANSI A92.9	

ELECTRICAL DATA

	SINGLE MAST	TWIN MAST
	60 Hz	60 Hz
Motor power	2 x 2.65 kW	4 x 2.65 kW
Input power connection	460 V - 60 Hz	460 V - 60 Hz
Power consumption	5.3 kW	10.6 kW
Nominal current	12 A	24 A
Supply power	10 kVA	20 kVA
Starting current	66 A	132 A
Overload protection	4 x 32 A	
Differential protection		
Calibration	32 A	
Sensitivity	300 mA	
Control voltage	48 V	
Auxiliary hand tool socket	120 V - 60 Hz 16 A	
Cable section	4 x AWG 10 ²	4 x AWG 8 ²



2145 Indian Road
 West Palm Beach, FL 33409
 T. 561.616.9003
 F. 561.616.9005
 info@beeaccess.com
 www.beeaccess.com