

# PEC 90



## Mast Climber

### RACK & PINION

#### DESIGNED WITH THE EASE OF TRANSPORT AND MOBILITY IN MIND

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 90 platform can reach heights up to 300 ft (91 m) using the Alba square tube mast. The square tube 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: 4625 lb (2100 kg) with twin masts
- Max. speed: 28 ft/min (8.5 m/min)
- Max. height: 300 ft (91 m) (inquire about greater heights)
- Max. length: 74' 3" (22.5 m) with twin masts
- Motor power: 2 x 0.90 kW (60 Hz)



## MINIMUM SIZE, MAXIMUM UTILITY



#### MAST SECTION



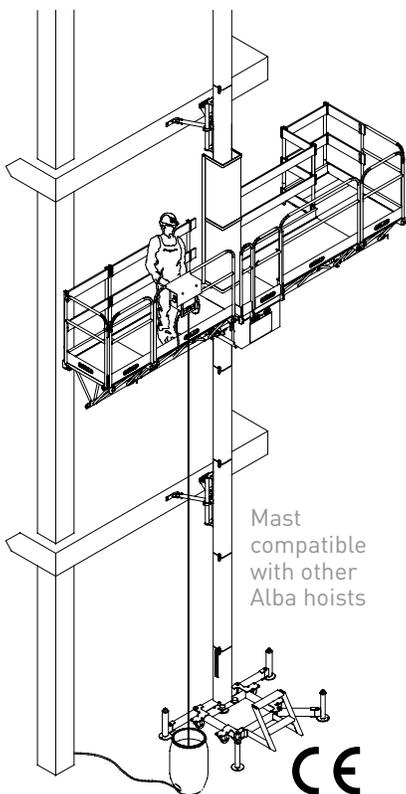
#### Square Tube

Length: 59" (1.5 m)  
Weight: 86 lb (39 kg)

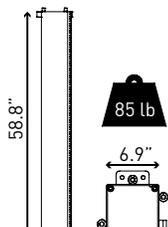
#### Mast Compatibility

Material hoist: MC 450  
Transport platform: PT 450

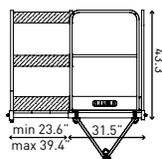
# DATA SHEET | PEC 90



Mast compatible with other Alba hoists



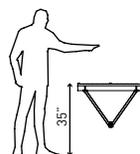
Easy transport, handling and assembly



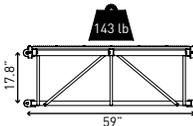
Platform with auxiliary extension



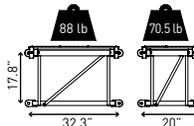
Panel with validating control system



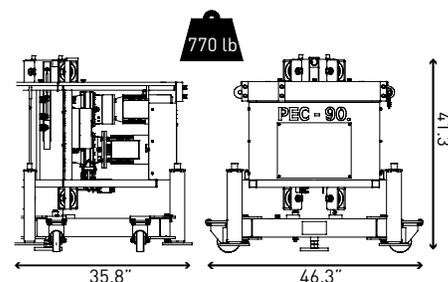
Height to ground reduced



Platform module (59")



Platform module (32.3") / (20")



Main motor group

## SAFETY DEVICES INCLUDED AND OPTIONAL

### INCLUDED

- Gear motors with electromechanical brake
- Safety centrifugal brake
- Emergency controlled descent
- Platform door with automatic self-closing
- 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
- Motor fault LED and recovery push-button
- 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
- Load limiter
- Automatic greaser



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## TECHNICAL FEATURES

	SINGLE MAST	TWIN MAST
Maximum length	22 ft – 4 in (6.8 m)	74 ft – 3 in (22.6 m)
Maximum load	2,200 lb (1000 kg)	4,625 lb (2100 kg)
Vertical speed	28 ft/min (8.5 m/min)	
Platform width	31.5 in (80 cm)	
Platform extension	Standard: 24 in (61 cm) Max.: 40 in (102 cm)	
Motor power	2 x 0.90 kW (60 Hz)	4 x 0.90 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	35 in (89 cm)	
Regulations reference	ANSI A92.9	

## ELECTRICAL DATA

	SINGLE MAST		TWIN MAST	
	60 Hz		50 Hz	60 Hz
Motor power	2 x 0.90 kW		4 x 0.75 kW	4 x 0.90 kW
Input power connection	220 V – 60 Hz - 3 phase			
Power consumption	1.8 kW		3.6 kW	
Nominal current	7 A		14 A	
Supply power	5 kVA		10 kVA	
Starting current	32 A		70 A	
Overload protection	4 x 16 A			
Differential protection				
Calibration	16 A			
Sensitivity	300 mA			
Control voltage	48 V			
Auxiliary hand tool socket	120 V			
Cable section	4 x AWG 12		4 x AWG 10	