

EDC 2000



Construction Hoist

RACK & PINION

AN ECONOMICAL SOLUTION TO TRANSPORT PERSONNEL FOR THE CONSTRUCTION OF MEDIUM HEIGHT BUILDINGS

The EDC 2000 is designed to quickly lift up to 22 personnel and with its advanced technological capabilities, it can store information for the automatic selection of floors.

Available in double cab for extra productivity, the EDC 2000 climbs a square mast which gives it great stability and compatibility. The same mast can be used with PT 2000 and PTB 3800 Transport Platforms, the MC 2000 Material Hoist and the PEC 130/150 Mast Climbers.

Main Features:

- Max. load capacity: 4400 lb (2000 kg)
- Max. speed: 196 ft/min (60 m/min)
- Max. height: 820 ft (250 m) (inquire about greater heights)
- Cabin dimensions: 10' 5" x 4' 7" x 6' 9" (3200 x 1400 x 2100 mm)

HIGH EFFICIENCY & PRODUCTIVITY ON SITE



MAST SECTION



Square Mast

Length: 59" (1.5 m)

Weight:

1 Rack: 216 lb (98 kg)

2 Rack: 260 lb (118 kg)

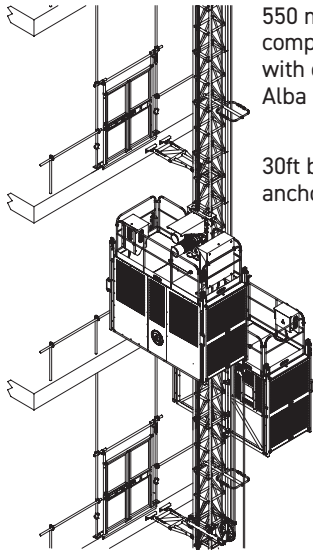
Mast Compatibility

Mast Climber: PEC 130 / PEC 150

Material Hoist: MC 2000

Transport Platform: PT 2000 / PTB 3800

DATA SHEET | EDC 2000



550 mast compatible with other Alba hoists

30ft between anchorage points

CPU and automatic floor management



Overspeed parachute with auto-recovery system



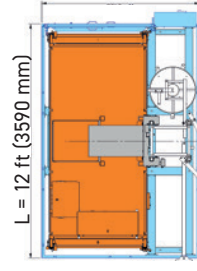
Landing levels call system



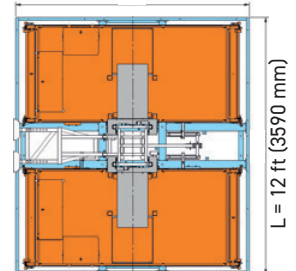
Single or Double Cabin Configurations Using a Single Mast



Single Cabin
W = 8 ft (2420 mm)



Double Cabin
W = 8 ft (2420 mm)



TECHNICAL FEATURES

	EDC 2000-40	EDC 2000-60
Maximum	20 people / 4,400 lb (2,000 kg)	
Vertical speed	0 - 132 ft/min (40 m/min)	0 - 196 ft/min (60 m/min)
Cabin dimensions (LxWxH)	10' 5" x 4' 6" x 6' 9" (3200 x 1400 x 2100 mm)	
Net inner dim. (LxW)	9' 8" x 4' 6" (3000 x 1.4 mm)	
Motor control	Frequency Converter	
Control Mode	Automatic or Hold-to-run	
Maximum height (*)	820 ft (250 m)	
Anchorage distance (max.)	30 ft (9 m)	
Height over last anchorage	10 ft (3 m)	
First anchorage height	20 ft (6 m)	
Loading height-to-ground with cable bin with cable trolley	16 in (40 cm) 27.5 in (70 cm)	
Base assembly weight	1000 lb (500 kg)	
Noise emission value	<70 dB	
Regulations reference	EN-12159; 2006/42/CE; ANSI A10.4 / CSA Z 185	

ELECTRICAL DATA

Motor power	2 x 11 kW	
Input power connection	380÷480V - 50/60 Hz	
Power consumption	30 kW	45 kW
Nominal current	50 Amp	90 Amp
Supply power	50 kVA	75 kVA
Starting current	60 Amp	125 Amp
Overload protection	3 x 63 A	3 x 125 A
Differential protection Calibration Sensitivity	63 A 300 mA	125 A 300 mA
Control voltage	48 V	
Auxiliary hand tools socket	230 V - 50/60 Hz 1200 W	
Cable section	4 x AWG 6	4 x AWG 4

(*) For greater heights, contact the manufacturer.

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
- Operator aux. external cage
- Add-on platform for anchorage assembly
- Automatic greaser



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