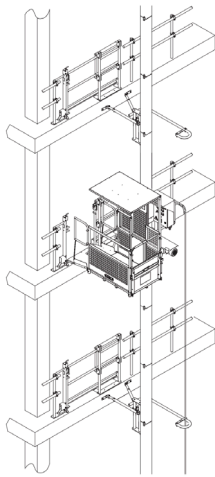


DATA SHEET 450

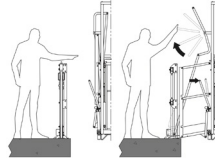


Mast compatible with other

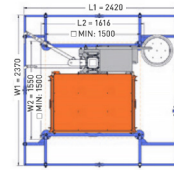
Landing levels call system



Folding ramps with automatic side protection



Installation dimensions



Overspeed parachute with auto-recovery system



CPU and automatic floor management



Dual operation mode: persons - loads



TECHNICAL FEATURES

|                            | PT 450-2V                | PT 450-1V                            |
|----------------------------|--------------------------|--------------------------------------|
| Maximum capacity           | 2 pax + 250 kg<br>450 kg | 5 pax<br>450 kg                      |
| Vertical speed             | 12÷18 m/min              | 17 m/min (50 Hz)<br>20 m/min (60 Hz) |
| Cage dimensions (LxWxH)    | 1.240 x 840 x 2.020 mm   |                                      |
| Minimum hoistway           | 1.500 x 1.500 mm         |                                      |
| Motor power                | 2,2 kW (50 Hz)           | 2,2 kW (50 Hz)<br>2,65 kW (60 Hz)    |
| Motor control              | FREQUENCY CONVERTER      | DIRECT                               |
| Maximum height (*)         | 120 m (*)                |                                      |
| Anchorage each (max.)      | 6 m                      |                                      |
| Height over last anchorage | 1,5 m                    |                                      |
| First anchorage height     | 4 m                      |                                      |
| Loading height-to-ground   | 400 mm                   |                                      |
| Maximum load (assembly)    | 200 kg                   |                                      |
| Noise emission value       | <70 dB                   |                                      |
| Regulations reference      | 2006/42/CE               | EN-12158                             |

ELECTRICAL DATA

|                           | PT 450-2V             |                         | PT 450-1V                   |              |
|---------------------------|-----------------------|-------------------------|-----------------------------|--------------|
|                           | 50/60 Hz              | 50 Hz                   | 60 Hz                       | 60 Hz        |
| Motor power               | 2,2 kW                | 2,2 kW                  | 2,65 kW                     | 2,65 kW      |
| Input power connection    | 380+460 V - 50/60Hz   | 400 V - 50Hz            | 440 V - 60 Hz               | 220V - 60Hz  |
| Power consumption         | 4 kW                  | 2,2 kW                  | 2,65 kW                     | 2,65 kW      |
| Nominal current           | 10 A                  | 6 A                     | 6 / 12 A                    | 6 / 12 A     |
| Supply power              | 8 kVA                 | 8 kVA                   |                             |              |
| Starting current          | -                     | 33 A                    | 33 / 66 A                   | 33 / 66 A    |
| Overload protection       | 4x 16 A               | 4x 10 A                 | 4x 10 / 16 A                | 4x 10 / 16 A |
| Differential protection   |                       |                         |                             |              |
| Calibration               | 16 A                  | 10 A                    | 10 / 16 A                   | 10 / 16 A    |
| Sensitivity               | 300 mA                | 300 mA                  | 300 mA                      | 300 mA       |
| Control voltage           | 48 V                  |                         |                             |              |
| Auxiliar handtools socket | 230 V - 50/60 Hz 16 A |                         |                             |              |
| Cable section             | 5 x 4 mm <sup>2</sup> | 5 x 2,5 mm <sup>2</sup> | 4x 4/6x 2,5 mm <sup>2</sup> |              |

MAST SECTION



Single square tube  
Length: 1,5 m  
Weight: 39 kg

Mast compatibility: (see p.50)  
Mast climber: PEC 90  
Material hoist: MC 450

SAFETY DEVICES INCLUDED AND OPTIONS

INCLUDED OPTION

GENERALS

|  |           |
|--|-----------|
| Gearmotors with electromechanical brake              | ✓         |
| Overspeed parachute with auto-recovery system        | ✓         |
| Emergency lowering lever                             | ✓         |
| Cage doors with automatic side protection            | ✓         |
| Landing doors with mechanical / electrical interlock | ✓         |
| Base enclosure with electrical interlock             | ✓         |
| Hoist control display with signaling LEDs:           | ✓         |
| - Cage / landing door open                           |           |
| - Landing door open                                  |           |
| - End 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                               | ✓         |
| Motors with brake wear signal                        | ✓         |
| Cage floor of non-slipping galvanized steel          | ✓         |
| Movement warning horn (LAST 2 m)                     | ✓         |
| Phase control  | PT-450-2V |
| Emergency stop                                       | ✓         |
| Landing levels call system                           | ✓         |
| Parachute test remote control                        | ✓         |
| Automatic greaser                                    | ✓         |