



# PASSENGER & MATERIAL HOIST

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To serve the increasing demand for high-rise construction we offer the high speed VF hoist, with a Maximum lifting speed of 96m/min. A few salient features of these hoists are

- Adopts the most advanced VF speed control device and microcomputer programmable logic controller.
- Step-less speed control helps eliminate the concussion during start-up and braking, makes the operation steady and ensures automated levelling.
- Adopts open loop VF control; the speed precision can reach  $\pm 2\sim 3\%$ . Realising the accurate low speed positioning of the hoist, thus avoiding slipping during downward stopping of the hoist.
- The VF system has current restriction function ensuring lower current in motor start-up and reduces the concussion to power supply. This reduces the energy consumption at site.
- The steadiness during operation, mitigates concussion to mechanical parts, reduces wears of rack, pinion and the brake, prolonging the life of these parts.
- The VF system also has the over voltage protection, low-voltage protection, over-current, overload and anti-stalling protection functions.



TYPE	PMH 100 (Single Cage)	PMH 100/100 (Twin Cage)
LOAD	1000 kg	2X1000 Kg
SPEED	0-36 m/min 0-60 m/min	0-36 m/min 0-60 m/min
CAGE SIZE	3 x 1.2 x 2.1 ( Mtrs.) 2.5 x 1.2 x 2.1 (Mtrs.)	3 x 1.2 x 2.1 ( Mtrs.) 2.5 x 1.2 x 2.1 (Mtrs.)
MOTOR POWER	2X10HP	2X2X10HP
SAFTEY DEVICE	JAS 30-1.2	2XJAS 30-1.2
MAST SECTION	650X650x1508 (Square)	650X650x1508 (Square)
MAST SECTION WEIGHT WITH RACK	123 Kg	151 Kg
RACK MODULE	8	8

	TYPE	PAYLOAD (KG)	LIFTING SPEED (M/ MIN)	MOTOR POWER (KW)	ADAPTABLE ANGLE
Curved Passenger Hoist	PMHC 60	600	33 0 ~ 60 (VVF )	1 × 10 HP 2 X 10 HP	8° ~ + 21°
	PMHC 120	1200	33 0 ~ 60 (VVF )	2 × 10 HP 2 × 15 HP	10° ~ + 25°
Inclined Passenger Hoist	PMHI 100 / 100	2 X 1000	33 0 ~ 60 (VVF )	2 × 2 × 10 HP 2 X 3 X 10 HP	
	PMHI 160 / 160	2 × 1600	33 0 ~ 60 (VVF )	2 × 2 × 10 HP 2 × 3 × 15 HP	
	PMHI 200 / 200	2 × 2000	33 0 ~ 60 (VVF )	2 × 3 × 10 HP 2 × 3 × 15 HP	

## Curved & Inclined Passenger Hoist

General Passenger Hoists cannot meet the demand of material and personal transportation for structures with special exteriors such as cooling towers of power plant, where the structure shape is like a hyperbola.

To solve this problem we offer the curved passenger hoist, where the track is in curved shape and parallel to the exterior of the building. The floating levelling mechanism ensures the level of the cage while the hoist is moving along the curved line.

PMH 200 (Single Cage)	PMH 200/200 (Twin Cage)	PMH 300 (Single Cage)	PMH 300/300 (Twin Cage)
2000 Kg	2X2000 Kg	3000 Kg	2X 3000 Kg
0-36 m/min 0-60 m/min	0-36 m/min 0-60 m/min	0-60 m/min	0-60 m/min
3 x 1.2 x2.1 ( Mtrs.) 2.5 x 1.2 x2.1 (Mtrs.)	3 x 1.2 x2.1 ( Mtrs.) 2.5 x 1.2 x2.1 (Mtrs.)	3 x 1.2 x2.1 ( Mtrs.) 2.5 x 1.2 x2.1 (Mtrs.)	
3X10HP	2x3X10HP	3X15HP	2X3X15HP
JAS 40-1.2	2X JAS 40-1.2	JAS 50-1.2	2XJAS 50-1.2
650X650x1508 (Square)	650X650x1508 (Square)	650X650x1508 (Square)	650X650x1508 (Square)
123 Kg	151 Kg	123 Kg	151 Kg
8	8	8	8



3 Electric cabinet of stainless steel inside the cage.

4 Dual entrance at base landing level is optional.

2 Innovative design and excellent comfort.

5 Wide range of functions and optional equipment.

## Benefits & Features

1 In single and in twin cage configuration.

6 High speed variable Frequency Hoist, Curved and Inclined hoist and Mini hoists.

7 Durable materials, High quality steel for increased and weight reduction, Cage walls and doors cladding of perforated steel sheeting or Aluminium sheeting with mast sections of hot dip galvanized steel. All electric cabinets and landing control boxes of stainless steel.



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