MKGWORLD.IN

# PASSENGER CUM MATERIAL HOIST

## VIMAAN

**Available in Twin Cage Also**

### SALIENT FEATURES

- Capacity: 1 Ton | 1.5 Ton
  2 Ton | Twin Cage
- Mechanism Rack & Pinion type
- Travel speed: upto 20-60 mtr/min
- For passenger & material
- Easy & safe operations

### OPTIONAL FEATURES

- Load cell based cabin
- Galvanised part
- Floor Selection

### SAFETY FEATURES

- Safety Device
- VFD
- Geared Brake Motor
- Rack Searching Limit Switch
- Limit Switches for all doors
- Upper & lower limit Switches
- Buffer spring for cabin at the bottom
- Manual Brake release system
- Ground Enclosure with Hooter
- Dead mast with half rack
  at the top

# PASSENGER CUM MATERIAL HOIST

## TECHNICAL SPECIFICATION

| | Vimaan 1.0 | Vimaan 1.5 | Vimaan 2.0 | Vimaan 2.0 Ton Twin Cage |
|---|---|---|---|---|
| Particular | 1 Ton Single Cage | 1.5 Ton Single Cage | 2 Ton Single Cage | 2 Ton Twin Cage |
| Capacity | 1 Ton | 1.5 Ton | 2 Ton | 2x2Ton |
| Mast | Square Type with round tubes | Square Type with round tubes | Square Type with round tubes | Square Type with round tubes |
| Mast Size | 450X450X1500 mm | 450X450X1500 mm | 650X650X1500 mm | 650X650X1 500 mm |
| Total no. of masts to be provided | 44 | 44 | 44 | 44 |
| Total column height | 66 mtrs | 66 mtrs | 66 mtrs | 66 mtrs |
| Last landing height | 60 mtrs | 60 mtrs | 60 mtrs | 60 mtrs |
| Travel Speed | 28 mtr/min | 28 mtr/min | 28 mtr/min | 28 mtr/min |
| No. of cabins | 01 | 01 | 01 | 02 |
| Cabin Size | 2000x1 200x2100 mm | 2000x1200 2100 mm | 3200X1 500X2100 mm | 3200X1 00X2100 mm |
| Prime mover | 7.5 Kw X 02 nos 01 set | 7.5 KwX02 nos 01 set | 11 KwX02 nos 01 set | 11 KwX02 nos 02 sets |
| Total Power | 15 Kw | 15 Kw | 22 Kw | 44 Kw |
| Type of drive | PBL Make heliworm geared brake motor | PBL Make heliworm geared brake motor | PBL Make heliworm geared brake motor | PBL Make heliworm geared brake motor |
| VFD | 17.5 Kw | 30 Kw | 37 Kw | 37Kwx02 |
| VFD Make | L&T | L&T | L&T | L&T |
| Cable | 10 sq mm | 10 sq mm | 16 sq mm | l6 sq mm |
| RACK | C - 45 Module - 6 | C - 45 Module - 6 | C - 45 Module - 8 | C - 45 Module - 8 |
| Pinion | EN - 24 Module - 6 | EN-24 Module - 6 | EN-24 Module - 8 | EN - 24 Module - 8 |
| Safety Device | SAJ30 | SAJ30 | SAJ40 | SAJ40 |
| Erection Crane | 250 Kg Capacity | 250 Kg capacity | 350 Kg capacity | 350 KG capacity |
| Ground Enclosure height | 2.4mtr | 2.4mtr | 2.4mtr | 2.4mtr |
| Doors | Collapsible/ Bi - parting | Collapsible/ Bi - parting | Collapsible/ Bi - parting | Collapsible/ Bi - parting |
| Tie Intervals | 6 mtrs | 6 mtrs | 6 mtrs | 6 mtrs |