

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

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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	2000x1200x2100 mm	2000x1200x2100 mm	3200X1500X2100 mm	3200X1500X2100 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	16 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