

POWER MASTER

WIRE - ROPE HOIST

FRAME

All steel fabricated machined and bolted type. The gear box is rigidly aligned with the end load plates by substantially holding the transfer members which also form the motor platform for foot mounted motors.

ROPE DRUM

The rope drum is made of sturdy seamless pipe or fabricated from steel plates and is grooved to take the full lift without overwinding.

Large drum diameter to rope diameter ratio reduce wear and cable fatigue. The drum shaft revolves in ball bearings, ensuring smooth running.

WIRE ROPE

6 x 36 construction special plough hempcore flexible steel wire rope, having safety factor of 6 for class II and 7 for class III duty, is provided on the hoist. Galvanised and other construction of rope can be provided for special application.

ROPE GUIDE

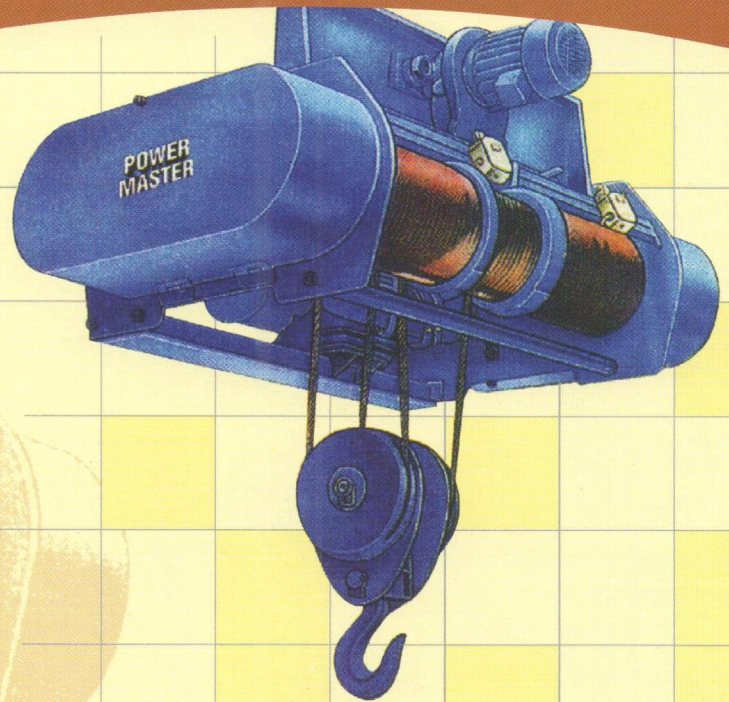
Standard "POWER-MASTER" hoist carries rope guide and pressure ring encircling guide ring fixed around the grooves of the drum to ensure correct rope lay.

MOTOR

Foot mounted squirrel cage induction motor designed and manufactured to IS : 325 of reputed make are used, motors are totally enclosed, half hour rated, with high starting torque, specially designed and built for hoist duty. The motors are suitable for frequent start stop as well as braking and are provided with class 'B' insulation.

BRAKE

Disc shoe type spring loaded brakes are provided for heavy duty operation. Brakes are mounted on the nondriving end of the motor and are easily accessible.



GEARS

Alloy steel hobbled teeth helical-spur gears with solid pinions running on ball / roller bearing with oil bath lubrication.

FLAME PROOF HOIST

"POWER-MASTER" wire rope hoists are specially built with flameproof electricals to suit hazardous area in chemical plants, confirming to IS: 2148, all electricals are duly certified by Central Mining Research Station, Dhanbad, for classified gas groups I, IIA & IIB.

CONTROLS

Every hoist is provided with a control panel comprising of reputed make heavy duty, direct-on line reversing type air brake contactors, transformers and fuses. All these are housed in dust proof M. S. fabricated sheet metal cabinet. The pendant push button station is provided at adequate height duly suspended by steel chain or wire rope, operating at 24/110 volts to avoid accident.

BOTTOM BLOCK

Bottom Block Assembly consisting of drop forged steel hook mounted on thrust Ball-Bearings, with large diameter sheave and hook plates made out of steel.

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LIMIT SWITCH

To avoid overwinding or overlowering of wire rope, limit switches are provided in each hoist, which ensures the highest and lowest position of load hook.

TROLLEY

Cross Travel Trolley are designed to suit either standard rolled steel or box girder. The trolley frame is rigidly bolted with hoist frame through series of holes. This also ensures

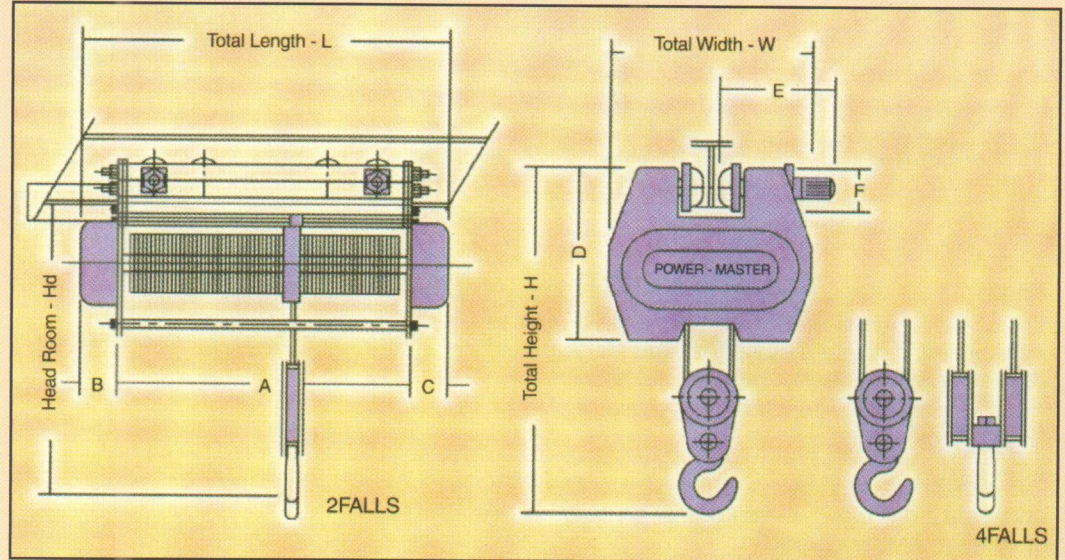
proper adjustment of flange width. C. T. Wheels are provided with ball bearings and mounted on EN 8 steel axles. The motorised trolley units have spur gearbox. Hand geared trolley - push pull trolley and flexible trolley are also available.

PUSH BUTTON STATION

P. B. Switch of reputed make is used. 2 stations (up and down) and 4 stations (up - down and left - right)

TECHNICAL DATA

1. Complete Electric Wire Rope Hoist
2. Electric Wire Rope Hoist with Cross Travel Manual
3. Pull Push Wire Rope Hoist
4. Fix Suspension Wire Rope Hoist



TECHNICAL DATA

	0.5 T	1T	1.5T	2T	3T	5T	7.5 T	10T
CAPACITY	0.5 T	1T	1.5T	2T	3T	5T	7.5 T	10T
STD. LIFT (M)	6	6	6	6	6	6	6	6
SPEED MPM	3.5/4	3.5/4	3.5/4	3.5/4	3.5	3.5	3.5	3
HOISTING MOTOR HP	0.75	1.5	2	3	5	6	7.5	10
CROSS SPEED MPM	15/17	17/20	17/20	15/17	15	15	15	15
TRAVEL MOTOR HP	0.25	0.25	0.25	0.50	0.50	0.75	0.75	1
NO. OF FALL	2	2	2	2	2	4	4	4
HEAD ROOM (HD)	635	720	750	750	1000	1050	1450	1600
TOTAL LENGTH (L) (mm.)	680	680	680	845	1015	1015	1090	1220
TOTAL WIDTH (W) (mm.)	570	570	570	620	870	870	870	1100
TOTAL HEIGHT (H) (mm.)	780	790	800	875	1170	1170	1600	1850
A (mm.)	440	440	440	560	675	675	700	770
B (mm.)	100	100	100	145	190	190	220	250
C (mm.)	140	140	140	140	150	150	170	200
D (mm.)	440	440	440	525	700	700	700	850
E (mm.)	425	425	425	420	420	455	455	500
F (mm.)	200	200	200	230	260	260	260	300
WEIGHT (KGS.)	185	190	200	225	500	560	900	1060

Subject to change without notice.

OTHER PRODUCTS

- (1) Jib Cranes (2) Goods Lift (3) Goliath / Gantry Cranes (4) Motorised chain pulley blocks (5) Mono - Rail trolley (Manual / Motorised) (6) Chain pulley blocks (7) Chain, Wire - rope & Nylon Slings. (8) Electric Crab (9) E.O.T./H.O.T Cranes (10) Pal let Trucks (11) Stackers (12) Drum Lifter.



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