

# MASKO TECH ENGINEERS

## ELECTRIC WIRE ROPE HOIST

### SALIENT FEATURES

Manufactured as per IS : 3938 & 807

**100% Steel Fabricated**

Electro-Magnetic Brake

Precious Machine Cut

Alloy Steel Gears

Helical Gears

Rope Drum-Out of Seamless Pipe

Best Electrical Components

Swivelling Snatch Block

S4 Crane Duty Motors

Adjustable Mounting

Long Lasting Life

### OPTIONAL

Unconditional Warranty

Variable Speed Variant

Special Applications

Soft Start & Stop

Gravity type Emergency Limit Switch

Intelligent Panel

Flame Proof

Rust Proof

Disc Brake



### SAFETY

4 Falls wire rope | Emergency stop | Overload Tripping | Limit Switch

### APPLICATION

Steel Plants, Power Plants, Oil & Gas, Construction Site, Factories, Ware Houses, Heavy Fabrication Units, Railway yards, Transporters, Mine Quarries, Harbors, Large Water Works, Marine etc.

### ROPE DRUM

6 x 37 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. Galvanized and other construction of rope can be provided for special application.

### 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 build for hoist duty. The motors 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 non- driving end of the motor and are easily accessible.

### TROLLEY

Cross Travel Trolley are designed to suit either standard Rolled Steel Joist or box grider. The trolley frame is rigidly bolted with hoist frame through series of holes. this also ensure proper adjustments of flange width. C.T. wheels are provided with ball bearing and mounted on EN 8 Steel axles. The motorized trolley units have spur gearbox. Hand geared trolley and push pull trolley are also available.

### CONTROLS

Every hoist is provided with a control panel comprising of standard 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.

### GEARS

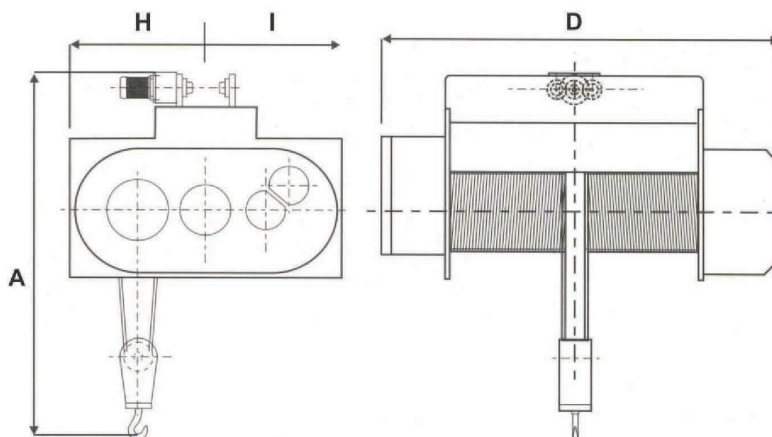
Alloy steel hobbled teeth helical spur gears with solid pinions running on ball / roller bearing with oil bath lubrication.

### 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 DETAILS



### Hoist Parameters

Model NO.	Capacity in kgs.	Height of lift (mts.)	Lifting Speed (M.P.M.)	Travel Speed (M.P.M.)	Hoist Motor (HP)	C.T. Motor (HP)	Falls of rope/ Driven
HDRH-500	500	6	5	18	0.5	0.25	2
HDRH-1000	1000	6	4	18	1.5	0.25	2
HDRH-2000	2000	6	4	15	3.0	0.5	2
HDRH-3000	3000	6	3.5	15	5.0	1.0	4
HDRH-5000	5000	6	3.5	15	7.5	1.0	4
HDRH-7500	7500	6	3	15	10	1.5	4
HDRH-10000	10000	6	2.5	15	12.5	1.5	4
HDRH-15000	15000	6	2	12	18	2.0	4
HDRH-20000	20000	6	2	12	20	2.0	4

Flage width of "I" Beam	Dimensions (mm)						Weight kg.
	A	B	C	D	H	I	
90125	425	175	425	650	290	400	125
90-140	450	175	425	650	290	400	150
100-140	600	200	650	900	310	520	250
125-140	750	200	740	1050	350	550	325
140-210	850	200	740	1200	400	550	550
150-210	950	250	930	1700	620	720	1200
150-210	1000	250	930	1700	620	720	1300
225-250	1400	300	1100	1850	750	900	1600
225-250	1600	325	1150	1850	750	900	2000

Data tolerance 10%

All dimensions in mm

Above mentioned specifications are subjected to change without any prior intimation for betterment of the product