

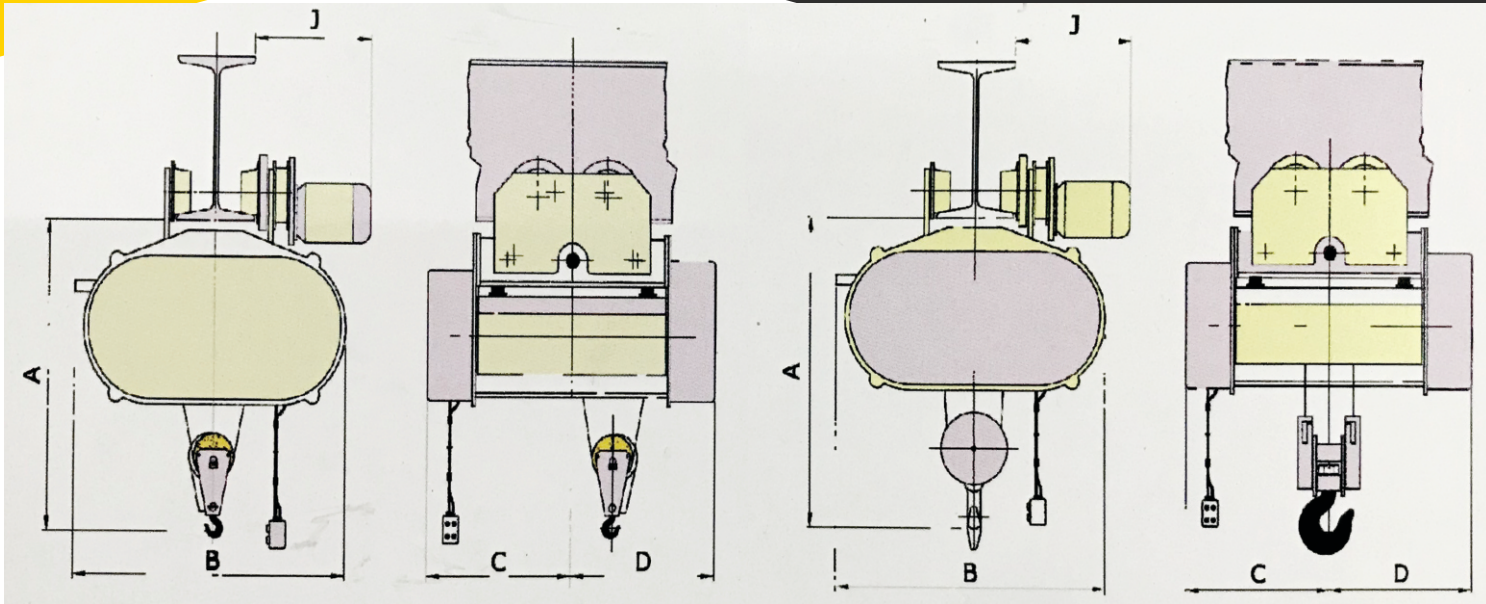
HINDUSTAN HOIST & CRANES INDUSTRIES

ISO 9001 : 2015 CO.

SOPHISTICATED HOISTING TECHNOLOGY

Manufacturers Of Electric Wire Rope Hoist, Electric Chain Hoist, Electric Wire Rope Winch, Goods Lift, Single Girder EOT Cranes, Double Girder EOT Cranes, JIB Cranes





2 FALL ARRANGEMENT WITH POWER TROLLEY

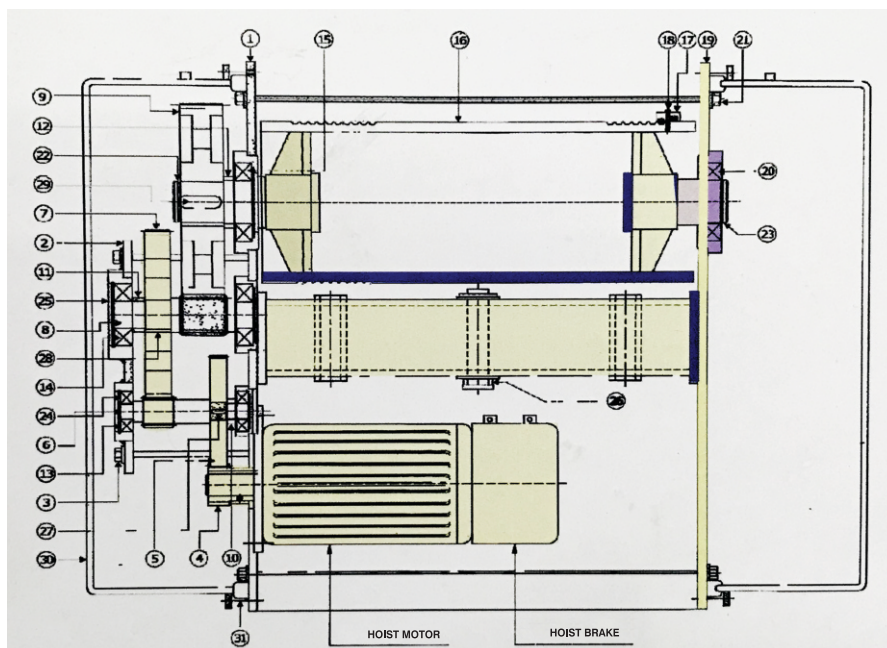
4 FALL ARRANGEMENT WITH POWER TROLLEY

TECHNICAL SPECIFICATION

Capacity	Tonnes	0.5	1	2	3	5	7.5	10	15
Height of Lift	Mtrs.	6	6	6	6	6	6	6	6
No. of Falls		2	2	2	2	4	4	4	4
Wire Rope Dia.	mm	6	8	10	12	12	14	16	20
Hoisting Speed	m/min	5	5	4	4	4	4	4	3
C. T. Speed	m/min	15	15	15	15	12	12	12	12
Hoisting Motor	hp	1	1.5	2	3	7.5	10	12.5	15
C. T. Motor	hp	0.25	0.25	0.5	0.5	1	1	1	1.5

DIMENTION

	mm	600	650	800	800	1100	1100	1200	1200
A	mm	450	450	600	600	800	800	800	1000
B	mm	350	350	400	400	600	650	700	700
C	mm	300	350	400	400	550	600	650	650
D	mm	300	350	350	350	425	425	450	500
J	mm	300	320	375	400	600	650	750	1250
Weight (Approx.)	Kg								



- 1 Geared Side Plate
- 2 Outer Plate
- 3 Stud with Hex Nut, Lock Nut & Plain Washer
- 4 Motor Pinion
- 5 I Stage Gear
- 6 II Stage Pinion
- 7 II Stage Gear
- 8 III Stage Pinion
- 9 Drum Gear
- 10 Spacer (For II Stage Pinion)
- 11 Spacer (For III Stage Pinion)
- 12 Spacer (For Drum Shaft)
- 13 Bearing
- 14 Bearing
- 15 Bearing
- 16 Rope Drum
- 17 Rope Clamp
- 18 High Tensile Alien Key Bolt with Spring Washer
- 19 Contactor Side Plate
- 20 Bearing
- 21 Tie Rod with Hex Nut, Lock Nut & Plain Washer
- 22 External Circlip
- 23 External Circlip
- 24 Internal Circlip
- 25 Internal Circlip
- 26 Wire Rope
- 27 Key (For II Stage Pinion)
- 28 Key (For III Stage Pinion)
- 29 Key (For Drum Shaft)
- 30 Gear Box Cover
- 31 Rubber Gasket



Design : 'HHCI' Hoists are designed as per IS-3938 for Class-II, III, and IV Operations.

Modular Construction: 'HHCI' Hoists are very compact with elegant appearance. Hoist motor, brake, electrical control gears & trolley drive Unit are easily accessible. Each unit can be separately assembled and can be easily dismantled. This simplifies repairs, maintenance cost and down time.

Motor : Motor are TEFC, squirrel cage Induction Motor S4 duty conforming to IS: 325 with high starting torque. Flange mounted type to suit our design with class f insulation.

Frame : Fabricated from m.s.steel plates conforming to IS: 2062, laser cut profile & duly finished in boring machine.

Gear Box : Helical Gear Box, The gear train is precision hob cut from alloy steel material duly heat treated for optimum wear resistance. The gears are running on antifriction ball bearing in a totally enclosed oil bath gear box with splash lubrication of all gears & pinions for fast heat dissipation, smooth operation and long life, .less noise operation.

Rope Drum : Rope Drum is manufactured from seamless pipe machined & grooved on working surface. The drum is supported on two deep groove ball/roller bearing.

Rope Guide : The rope guide is made of special casting & is specially designed & accurately machined to suit the grooves of the rope drum & prevents the rope from overriding & loosening. A rope guide completely encircling the drum is to hold the rope in its groove at all the times and can not uncoil even-when the rope is fully unloaded. Rope guide is provided for perfect winding for rope in drum groove.

Wire Rope : As per IS: 2266 of reputed make, suitable construction and with ample factor of safety as recommended IS3938.

Hook : Made of forged steel as per IS: 3815, supported on thrust bearing.

Bearings : Deep groove ball bearings of reputed make are used on all rotating parts & are grease packed. Heavy duty bearings selected, so that rated life of bearing is more than 9000 hrs.

Hoist Brake : Electromagnetic Disc type brake provided for easy maintenance mounted on the rear end of the motor.

Trolleys : Push-Pull, Hand Geared or Motorized trolleys of adjustable type and fitted with ball bearings are made to suit recommended size of Beams.

Limit Switch : Snap action type limit switches are provided to avoid over hoisting and over lowering, actuated by rope guide. Cross Travel limit switches also can be provided as an optional feature.

Control Panel : Housed in sheet metal covering and provided with Siemens, Schneider make Triple pole reversing contactors.

Explosion Proof Hoist : Explosion proof hoist are manufactured by us in accordance with IS standards. Suitable for the Hazardous area classifications Zone1, Zone2, Gas Group IIA, IIB, IIC. Ignition Temperature Classes: T1 to T6, Hazardous gas: Classified as per IS: 2148-1981

Optional Features: We can also provide extra special attachments on request like CT Brake and CT Limit Switch, Panel for LT Drive, VFD for hoisting and cross traverse motion, Higher height of lifts, Different speeds for hoist &CT, Power supply systems, Manual geared trolley, flexible trolley for negotiating radius of curvature, push-pull trolley.



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