

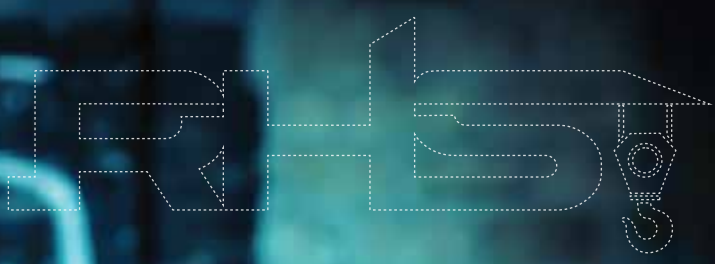
[www.rhscranes.com](http://www.rhscranes.com)



# ELECTRIC HOISTS

GET MORE DONE  
WORKING AT HEIGHT





# ABOUT RHS CRANES

RHS Cranes and Components takes Pride in providing state of art Material Handling Equipment mainly in the lifting Industry with cranes and Hoist, as standard, Customized products to suit every end users needs across multiple Industries. RHS Cranes is a quality driven company and make sure that every products manufactured at our end guarantees excellent quality and superior performance. We follow strict quality measures to maintain the current quality standards at every level of the manufacturing process. The entire manufacturing process is stringently scrutinized at different levels and stages of the manufacturing process and the products are thoroughly checked on several parameters. At RHS, Customers Services starts from the very first inquiry and continues till the long life of the equipment. The Company has earned the reputation for timely delivery, Quality and Total Reliability of its Equipments supply and installations.

## ELECTRIC HOISTS

### GENERAL:

RHS Electric Wire Rope Hoists are suitable for medium and heavy duty operations. These Hoists are modern in design incorporation many special features.

### DESIGN:

The Hoists generally confirm to IS:3938 and comply with the requirements of Factory Act.

### CONSTRUCTION:

The Hoists are of study svteel fabricated construction and modular type. Each Independent Unit such as Gear Box, Hoist Motor, Brake ,Trolley Drive, Electrical Gear etc. is easily accessible for maintenance and repair.

### MOTORS:

Hoist Duty , Sq. Cage Instruction motors totally enclosed IP:55 with class-F insulation suitable for frequent reversals and braking and generally confirmingto IS:325 are provided.

### BRAKE:

The Hoists motor is fitted with a "FAIL SAFE" Electromagnetic Disc or Shoe Brake. The brake acts automatically on interruption of Power Supply. Whether Accidental or Intentional.

### GEARS:

A triple gear reduction transmits the drive from the Hoist motor to the rope drum. High strength Helical and Spur Gears of En8 and En24 material

are produced on gearhobbling gear shaping machines. The gears run in a totally enclosed greasepacked gear box giving positive lubrication to all gear parts and ball bearings

**ROPE DRUM:**

The rope drum is of sturdy construction fabricated from mild steel pipe and is grooved to take the full lift. Large drum diameter to rope ratios reduces wear and rope fatigue. A Special type rope guide fitted to the rope drum guides the rope to the grooves.

**TROLLEY:**

Steel trolley wheels mounted on ball bearings are fitted to the mild steel side plates. Each trolley is adaptable for use with wide range of I-beams

**LIMIT SWITCHES:**

Snap action type limit switches are provided to avoid over hoisting and over lowering.

**CONTROL GEAR:**

Control is by Heavy duty direct on reversing type air brake contractors which are Electrically interlocked for safety. The contactors, MCB, Low voltage transformer etc. are housed in an easily removable fabricated steel cover. Main components are of Telemecanique / L&T / Cutler Hammer make.

**PUSH BUTTON PENDANT:**

Low voltage push buttons operating on 110 Volts ensure safety to the operator should short circuit or grounding occur.

**POWER SUPPLY:**

All electrical are suitable for operation on 400-440 Volts, 3 Phase, 50 Hz, A.C supply

## DIMENSIONS OF HOISTS

CODE	CAPACITY IN Kgs.	HIEGHT OF LIFT Mtrs.	LIFTING SPEED M.P.M	MOTOR H.P.	A	B	C	D MIN.	E	MIN. MONORAIL RAD.Mts.	WEIGHT (APPROX.) Kgs.
252	500	9	6	1.0/0.25	670	795	470	100	450	2.5	180
254	1000	6	3	1.0/0.25	550	795	470	100	450	2.5	180
282	1000	12	6	2.0/0.25	825	915	520	100	450	2.5	210
284	2000	6	3	2.0/0.25	700	915	520	100	450	2.5	230
352	2000	12	6	4.0/0.5	1050	970	705	125	470	3.2	350
354	3000	6	3	3.0/0.5	920	970	750	125	470	3.2	375
382	3000	12	6	5.0/0.5	1250	970	705	125	470	3.2	425
384	5000	6	3	5.0/0.5	920	970	705	125	470	3.2	475
532	5000	12	6	10.0/1.0	1450	1130	950	140	570	3.6	960
434	7500	7	3	7.5/0.75	1100	1100	800	140	570	3.6	700
682	7500	12	4	10.0/1.0	1500	1200	1100	180	570	4.2	1600
534	10000	7	3	10.0/1.0	1200	1130	950	140	570	3.6	980
732	10000	12	5	15/1.5	1750	1350	1400	210	630	4.6	1900
684	16000	7	2	10.0/1.5	1500	1300	1300	180	630	4.2	1600
832	16000	12	5	20.0/2.0	2400	1800	1700	420	630	4.6	3100
734	20000	7	2.5	15.0/1.5	1550	1350	1400	210	630	4.6	2000
784	25000	7	2.5	20.0/1.0x2	1750	1650	1500	420	630	5.2	2400
834	32000	7	2.5	25.0/1.5x2	2200	1800	1700	420	630	5.8	3200
7812	40000	7	1.6	20.0/1.5x5	2350	2250	2100	450	950	TWIN TROLLEY	3950
8312	50000	7	1.6	25/2x2	2650	2600	2500	480	1050	TWIN TROLLEY	4350

- NOTE: 1) All dimensions and data are subject to change without notice.  
 2) Above Parameters are for class II, 4/1 and 2/1 falls and 5m and 12m lift only, excepting 7812 and 8312.  
 3) C.T. speed 14 mpm (approx.) upto 10t capacity Hoists.



AMC / Field services




Load Testing





Upgrades & Rebuilds




Quality & Testing

 #169, 2nd Floor, 13th Main,  
Aicoboo nagar,BTM 1st Stage,  
Bangalore - 560 068

 [www.rhscranes.com](http://www.rhscranes.com)

 080-4 394 3111  
 8130 275 111 , 9448 107 187

 [sales@rhscranes.com](mailto:sales@rhscranes.com)  
[ravi.attavar@rhscranes.com](mailto:ravi.attavar@rhscranes.com)