



**GET MORE DONE
WORKING AT HEIGHT**

OUR **PRODUCT RANGE** - Safe Area / Hazardous Area

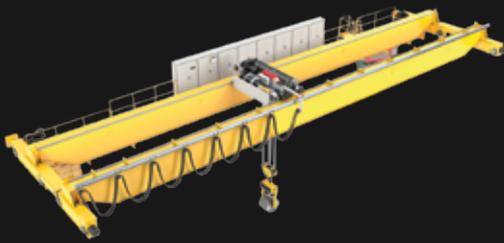
let know about our wide range of crane products



Electric wire rope Hoist
0.5 T to 50 T



Single Girder Cranes
0.5 T up to 35 T



Double Girder Cranes
1 T up to 50 T



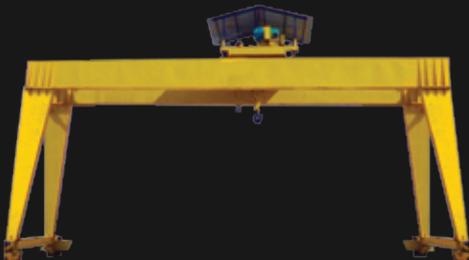
HOT Cranes
0.5 T up to 20 T



Jib Cranes
0.5 T up to 10 T



Winch
0.5 T up to 70 T

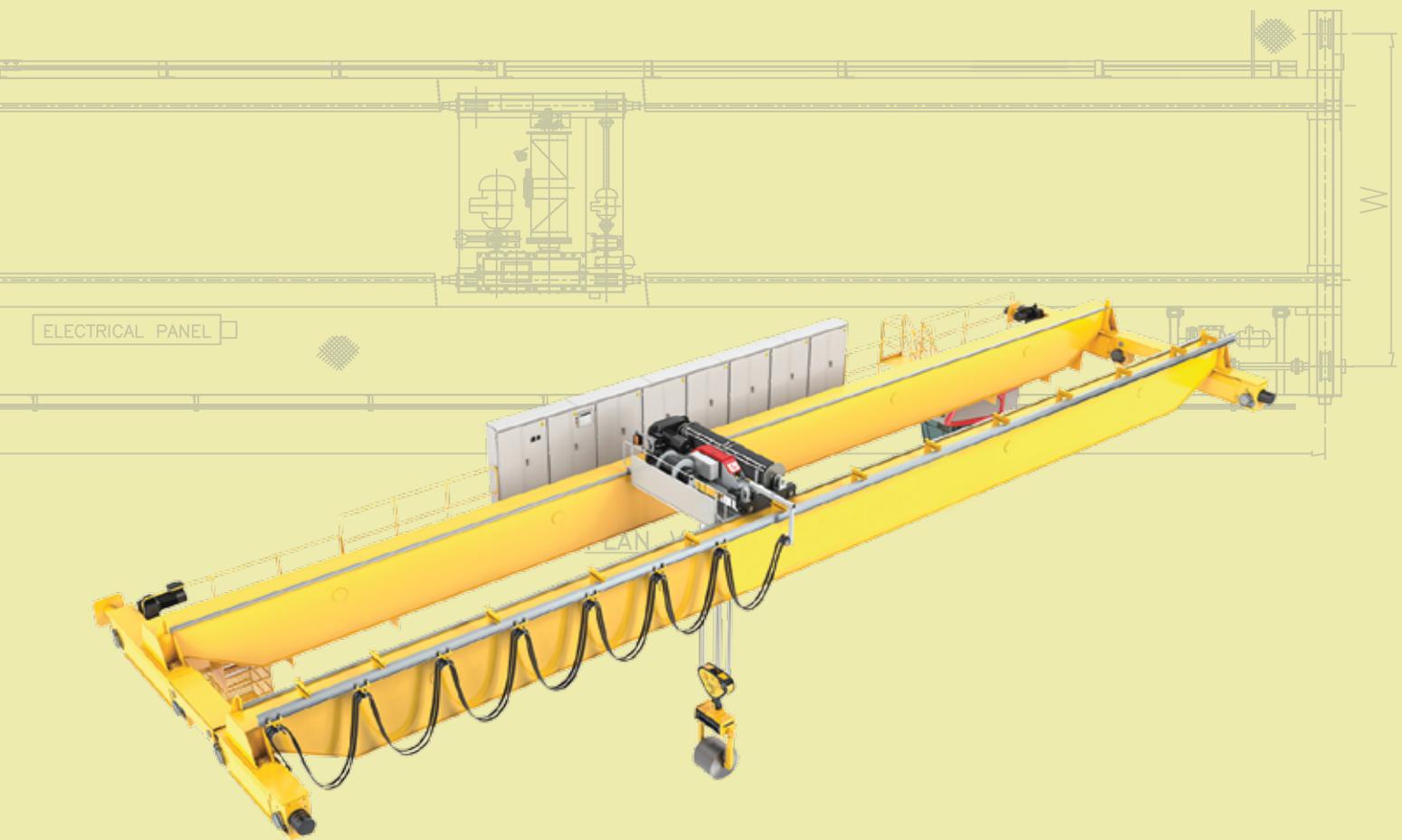


Gantry Crane 1 T up to 50 T



Special Customised Lifting
Beams 1 T up to 100 T





DOUBLE GIRDER & SINGLE GIRDER EOT CRANES

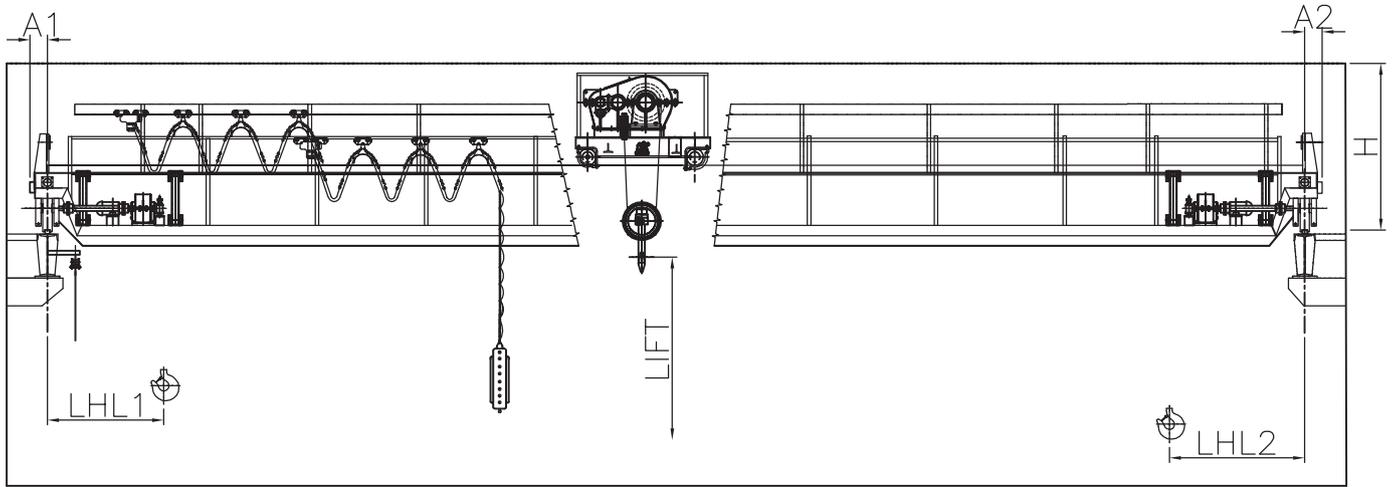
As per Indian standard Specifications 807 : 2006 and 3177 : 1999 Cranes have basically divided into four Classes

Class-I Light Duty: These are normal maintenance cranes which are not in constant use. Cranes for periodical maintenance of plant and machinery come under this category. These type of cranes have rated life not less than 20 years of 250 days per year and 1/2 hour working time per day. their speed are slow and the structures are light.

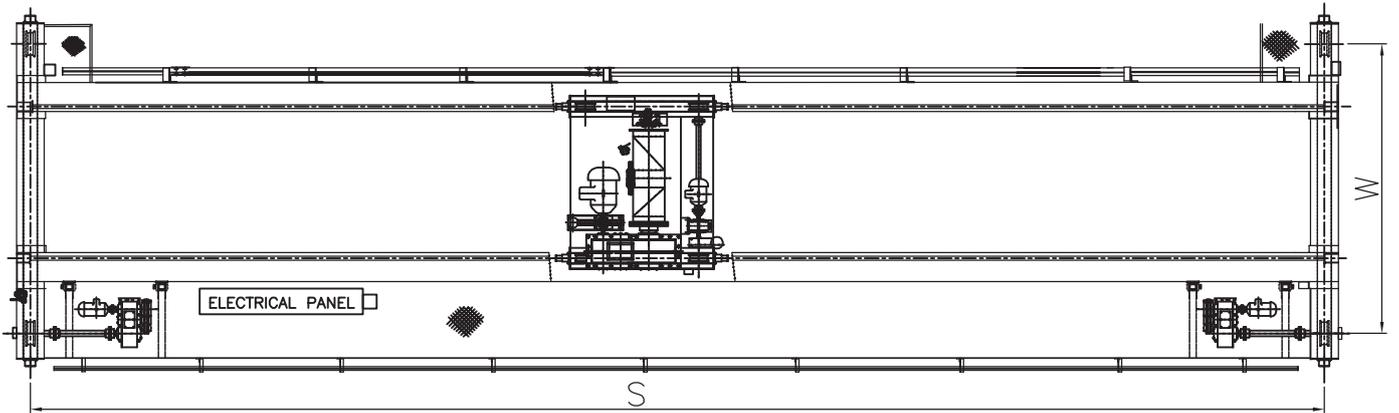
Class-II Medium Duty: This class perhaps Covers the largest number of cranes used in the industry. In Workshop, Foundries, processing Plant, important ware-houses and in fact areas, where a fair degree of activity exists. These type of cranes have rated life not less than 20 years of 300 per year and 1 1/2 hour working time per day.

Class-III Heavy Duty: For Workshops and production shops, where the cranes, in a addition to normal handling work, also become a part of production process. these type of cranes whose highest importance is in steel industry important storage and in some other selected industries. These are for continuous duty operation. These types of cranes have rated life not less than 20 years of 333 days per year and 3 hour working per day / 6 hour working per day class for Heavy duty

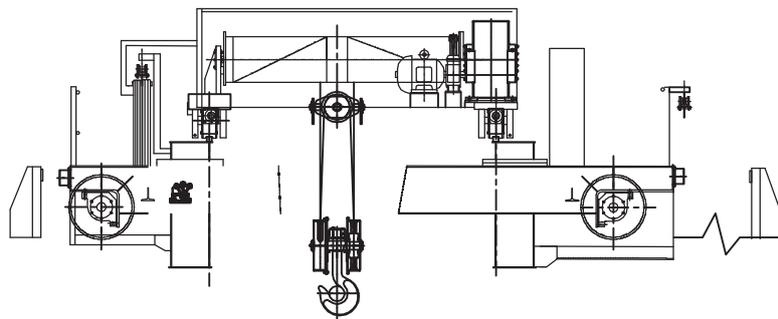
DOUBLE GIRDER EOT CRANES



ELEVATION



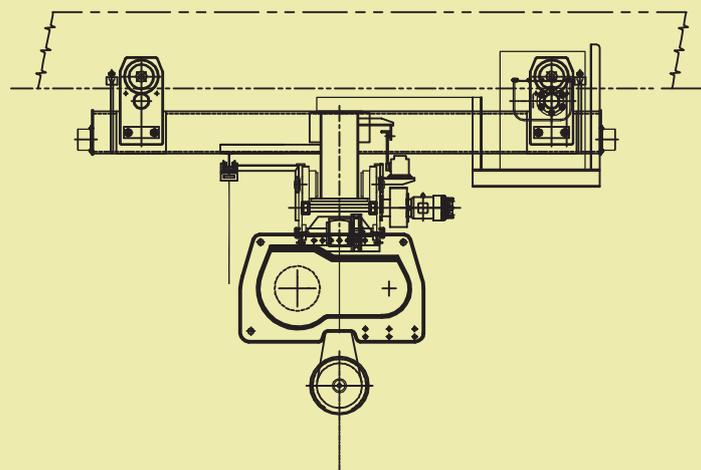
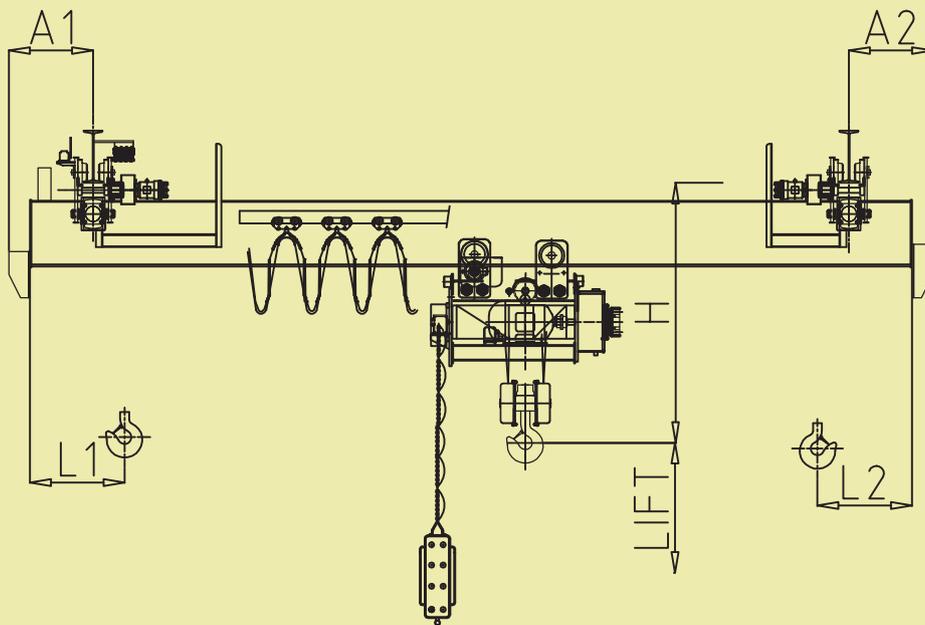
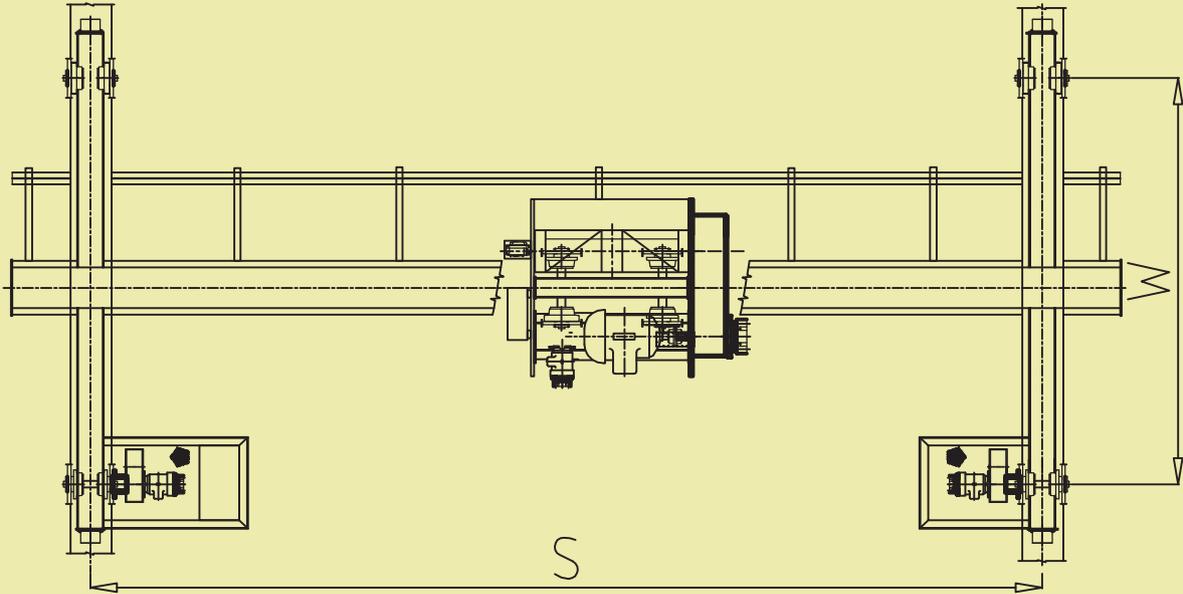
PLAN VIEW



END VIEW

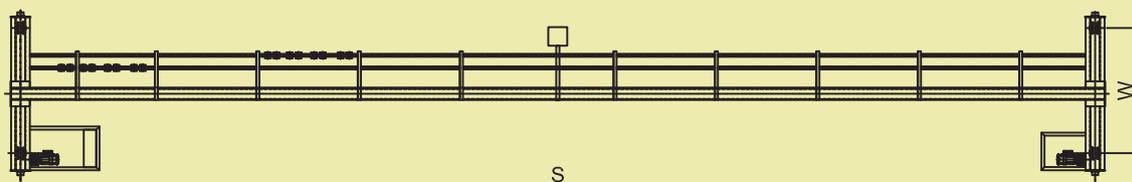
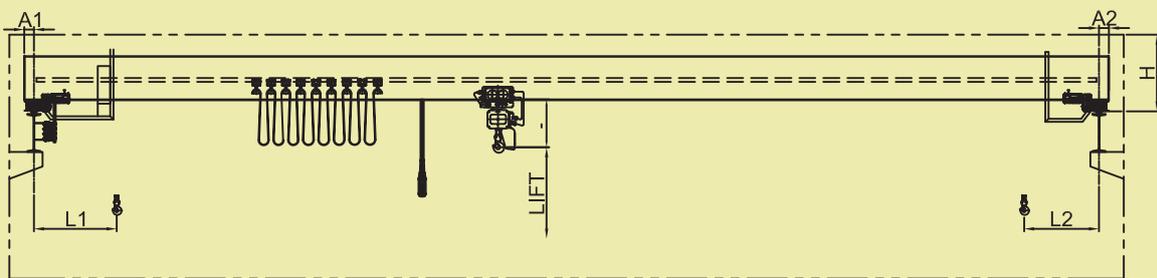
Cap. (Ton)	Span 'S' (Mt.)	End Clearance A1/A2 (Mm)	Hook Approach (mm)		Head Room Clearance H (mm)	Wheel Base W (mm)	Weight Approx. (Tons)	Wheel load Approx. (Tons)
			LHL1	LHL2				
1	5	220	900	900	1100	2000	2.1	1.3
	10	220	900	900	1200	2000	3.2	1.6
	15	220	900	900	1350	3000	4.5	2.0
2	5	220	900	900	1250	2000	2.7	2.1
	10	220	900	900	1400	2000	3.6	2.4
	15	220	900	900	1600	3000	5.0	2.8
	20	220	900	900	1700	4000	8.1	3.5
3	5	250	900	900	1350	2000	2.9	2.2
	10	250	900	900	1500	2000	3.8	2.4
	15	250	900	900	1700	3000	5.7	3.3
	20	250	900	900	2000	4000	8.0	3.9
5	10	250	900	900	1600	2500	4.8	4.2
	15	250	900	900	1850	3000	6.4	4.6
	20	250	900	900	2100	4000	9.5	5.5
7.5	10	250	950	950	1800	2500	5.5	5.8
	15	250	950	950	2000	3000	8.0	6.7
	20	250	950	950	2100	4000	10.5	7.4
10	10	250	1000	1000	1800	2500	6.6	7.5
	15	250	1000	1000	2000	3000	8.8	8.2
	20	275	1000	1000	2200	4000	11.8	9.0
15	10	300	1000	1000	1900	2800	7.6	10.4
	15	300	1000	1000	2200	3200	10.3	11.1
	20	300	1000	1000	2300	4000	14.8	12.4
20	10	300	1150	1150	2100	2800	9.1	13.6
	15	300	1150	1150	2400	3500	11.8	14.4
	20	300	1150	1150	2500	4200	17.0	15.6
25	15	300	1250	1250	2600	4000	15.0	18.1
	20	300	1250	1250	2800	4200	19.5	19.1
30	15	300	1400	1400	2800	4200	17.0	21.1
	20	300	1400	1400	3000	4400	22.0	22.4
40	15	325	1500	1500	3000	4300	20.5	27.6
	20	325	1500	1500	2200	4800	26.5	29.2
50	15	350	1600	1600	3200	5000	23.7	34.0
	20	350	1600	1600	3200	5200	31.8	36.3

UNDER SLUNG SINGLE GRIDER EOT CRANE



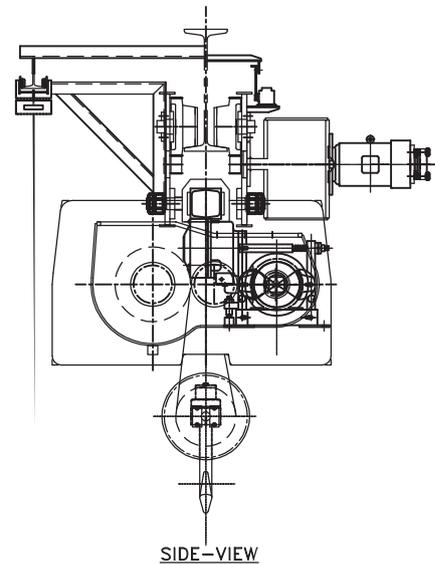
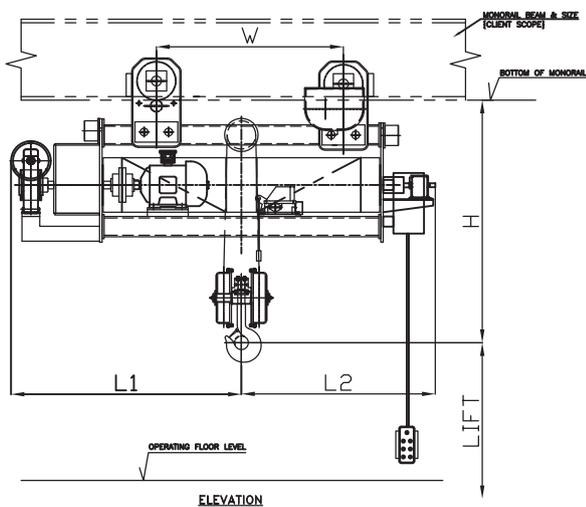
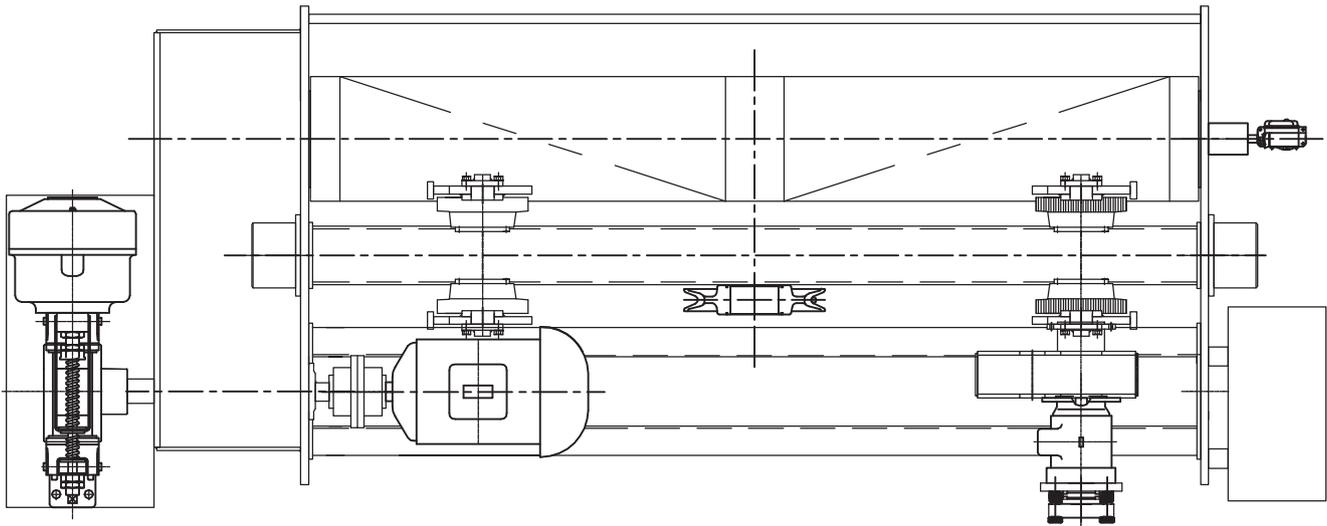
Cap. (Ton)	Span 'S' (Mt.)	End Clearance A1/A2 (Mm)	Hook Approach (mm) L1/L2	Head Room Clearance H (Mm)	Wheel Base W (mm)	Weight Approx. (Tons)	Wheel load Approx. (Tons)
1	5	225	750	600	1200	1.3	0.95
	10	225	750	750	1700	2.0	1.10
	15	225	750	850	2500	2.5	1.30
2	5	250	750	700	1200	1.5	1.50
	10	250	750	900	1700	2.3	1.60
	15	250	750	1000	2500	2.8	1.95
	20	250	750	1200	3500	3.9	2.35
3	5	250	850	750	1200	1.6	2.10
	10	250	850	900	1700	2.2	2.25
	15	250	850	1000	2500	3.7	2.65
	20	250	850	1250	3500	5.2	3.40
5	10	250	950	950	1700	2.8	3.45
	15	250	950	1200	2500	4.2	3.80
	20	250	950	1300	3500	5.6	3.20
7.5	10	250	1000	1000	1700	3.1	4.90
	15	250	1000	1250	2500	4.5	5.20
	20	250	1000	1400	3500	6.2	5.70
10	10	250	1100	1100	1700	3.8	6.50
	15	250	1100	1350	2500	5.2	6.90
	20	250	1100	1500	3500	7.7	7.60
15	10	300	1200	1200	1700	4.6	9.30
	15	300	1200	1400	2500	6.6	9.80
	20	300	1200	1650	3500	9.0	10.40
20	10	300	1250	1300	1700	5.8	12.10
	15	300	1250	1500	2500	8.0	12.60
	20	300	1250	1700	3500	10.6	13.40

SINGLE GIRDER EOT CRANES





ELECTRICAL WIRE ROPE HOIST



GENERAL :

Hoist are designed in accordance with IS 807 / IS 3938 and relevant Indian and British Standard specifications for Electric Wire Rope Hoists and factory Regulation requirements with first class materials used in manufacture throughout. The hoist can be eclectically operated in all motions or hand operated for trolley motions.

FRAME :

All steel fabricated. Machined and bolted type. The Gear Box is rigidly aligned with the end load plates by substantially holding a transfer member which also forms the motor platform for foot mounted motors.

GEARS :

Carbon or alloy steel machine cut, hobbled teeth, helical and spur gears with solid pinions running on balls/ roller/needle Bearings with oil bath lubrications. Gears can be examined without dismantling, by just opening the top cover.

WIRE ROPE :

6x19 or 6X37 construction special plough steel HEMPCORE flexible steel wire rope having a safety factor of '6' for class II and '7' for class III duty is provided on the Hoists. Galvanized and other constructions of ropes can be provided for special applications.

ROPE DRUM :

Steel fabricated Drum, is machine grooved to IS 3938 and BSS 466 to accommodate the whole working length of rope in one layer, allowing two dead turns and proving the rope in one layer, allowing two dead turns and providing for rope stretch. The drum revolves on amply rated EN-8 shafting on Ball or Roller Bearings.

HOOK BLOCK:

Drop forged steel 'C' type Shark Hook, with ball trust bearing mounted on heavy cross head trunion, supported on guarded sheave casing and load plates designed to IS 3938 and BS 466. Hooks are tested to 100% overload before use. Safe working load indicator plates are provided on the Hook Block.

MOTOR :

Normally Squirrel Cage induction Motors designed and manufactured to IS 325 of 1961 of reputed make viz, BBL / NGEF / SIEMENS / CGL / KEC and other equivalent make are used in "RHS" hoists. Only hoist using fan cooled international frame size totally enclosed 25% CDF high starting torque motors with shaft extension whenever necessary H.P. and RPM ratings are constantly matched to loads and speeds on all models based on 150 starts per hour.

For more arduous duty like class III operations, whenever frequent inching is unavoidable, 40% duty or slipping motors can be offered at extra cost

BRAKE :

Every Hoist motor is coupled with an Electro Magnetic Shoe type Brake - SOC/BCH , make or Electric Magnetic Disc type Brake EMCO or PETHE make, which act whenever power supply is cut off from the motor, capable of suspending the load at any height. Hoist brakes are easy to adjust for wear or lining renewal and rated for a minimum capacity of 150% motor running torque to ensure safe holding of the load.

CONTROLS :

Hoist duty safety low voltage Siemens air break contractor type, protective control panel complete with safety self locking fuses, connectors, dust proof sheet metal housing, cable glands, is provide on every Hoist. Low voltage P.V.C, moulded type push button station is suspended from the hoists by steel support wire for convenient floor operation.

LIMIT SWITCHES :

over winding us prevented by a hook operated totally enclosed shut limit switch in the Control circuit, An additional rotary switch directly coupled to the drum shaft can also be fitted to provide both up and down limits at a small extra cost

a series type over-hoisting power limit switch is also available as optional.

TROLLEY :

trolley wheel load frames are rigidly bolted to series of holes in the end frames, provided with adjustments in 3 mm steps is also available on runner wheel axles, Runner wheels on Ball bearings, are mounted on EN-8 steel axles. Motorized trolley units have a heat treated Carbon Steel spur gear, oil bath lubrication, totally enclosed, trolley gear boxes, coupled with international frame size Electric Motors, Push Trolley and hand Geared Trolley are also offered. Standard Trollies are intended for straight tracks and special flexible trolley units are also available to provide door curved track operations. Adjustable bolt suspensions rigid trollies for straight tracks are also standard items.

CAPACITY	HT OF LIFT	LIFTING SPEED	TRAVELLING SPEED	HOIST MOTOR	TRAVELLING MOTOR	DIMENSION			MINIMUM GIRDER SIZE	WEIGHT TROLLEY TYPE
						H	L1	L2		
KGS	MTS	MPN	M / Min	HP	HP	MMS	MMS	MMS	ISMB	KGS
500	12	8	15	1.4	0.25	600	390	430	150	320
1000	6	5.4	15	1.4	0.25	800	390	430	200	325
	9		15		0.25	800	390	430		350
	12		15		0.25	800	465	505		350
1000	6	8	15	2	0.25	800	415	455	200	350
	9		15		0.5	800	415	455		350
	12		15		0.5	800	465	505		360
2000	6	4	15	2	0.5	800	415	455	200	390
	9		15		0.5	800	415	455		390
	12		15		0.5	800	465	505		415
2000	6	8	15	4	0.5	950	580	555	200	525
	9		15		0.5	950	580	555		525
	12		15		0.5	950	580	555		550
3000	6	4	15	4	0.5	1000	580	555	250	575
	9		15		0.75	1000	639	605		585
	12		15		0.75	1000	730	705		625
3000	6	8	15	6.6	0.75	1000	580	555	250	600
	9		15		0.75	1000	580	555		600
	12		15		0.75	1000	580	555		600
5000	6	4	15	6.6	1	1100	580	605	300	700
	9		15		1	1100	680	705		725
	12		15		1	1100	780	805		765
5000	6	8	15	1.4	1	1200	775	705	300	1000
	9		15		1	1200	775	705		1000
	12		15		1	1200	775	705		1000
10000	6	4	15	1.4	15	1450	775	730	450	1450
	9		15		15	1450	775	730		1450
	12		15		15	1450	875	830		1525
10000	6	5	15	1.4	15	1550	835	730	450	1700
	9		-		-	1550	935	830		1750
	12		-		-	1550	1085	980		1825
15000	6	5.4	-	23.5	-	1850	1050	955	500	2950
	9		-		-	1850	1050	955		3000
	12		-		-	1850	1150	1055		3125
20000	9	3 / 4	-	23.5	-	2100	1150	1125	600	4450
30000	9	1.5 / 2	-	23.5	-	2600	1150	1125	600x2	5750

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.

HOOKS READY TO

We always hook up our valuable services for you
RHS Cranes have highly experienced and qualified employee in Crane Design, Manufacturing, Erection /Commissioning and AMC services



AMC



SAFETY / OPERATOR TRAINING



CONSULTING



RHS
www.rhscranes.com





AMC / Field services



Load Testing



Upgrades & Rebuilds



Quality & Testing

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