



## Chain Pulley Block

**HH Series - Hand Hoists (Capacity 0.25 Ton to 40.0 Ton)**

- Triple Spur Gear type – available in Heavy Duty & Light Duty Models
- Manufactured as per IS: 3832 – 2005, ISI Marked (upto 5.0 Ton), Certified since 1989
- Designed to minimize Effort – Only one person reqd. to lift the load upto 5T.
- Product Design Test – accomplished successfully as per the requirement of IS: 3832 – 2005 (4 times load lifted for 5 minutes)
- Product Endurance Test - 100 Hrs. of running at Hand Chain Pulling Speed of 20 Mtr. / Min
- Each block tested at 50% Overload



## Chain Electric Hoist

**EH Series Hoists (Capacity 0.25 Ton to 20.0 Ton)**

- Manufactured as per IS: 6547, Designed in two separate independent units – Motor & Mechanism side.
- Limit switches provided for Over-hoisting & Over-lowering.
- Very low Noise Level – less than 70 DB.
- Totally enclosed Control Panel – Protection from Weather
- Operating from Push Button Station – with Control Voltage of 24 Volts only – Enhanced Safety
- Each hoist tested at 25% Overload



## Monorail Traveling Trolley

**Manual & Electric Trolley (Capacity 0.25 Ton to 20.0 Ton)**



- Robust / Rigid Construction, yet easy to assemble / dismantle
- Designed to move load along the I-beam axis & to minimize frictional load.
- Evenly distributed load on four wheels.
- Adjustable in width to suit to the I-beam flange width requirements.

## Motorized Chain Pulley Block

### MH Series – Belt Driven Hoists (Capacity 0.5 Ton to 20.0 Ton)

- Indigenously developed & designed for Continuous operation, also can be used manually in case of Power Failure.
- Low Priced Model in Electric Hoists range.
- Available in 3 Phase & 1 Phase
- Separate & Totally enclosed Control Panel – Protection from Weather
- Operating from Push Button Station – with Control Voltage of 24 Volts only – Enhanced Safety
- Each hoist tested at 25% Overload



## Electric Wire Rope Hoist

### MI Series Hoists (Capacity – 0.5 Ton to 15.0 Ton)



- Manufactured as per IS: 3938 for Class II & Class IV application.
- Deep grooved Drum, Designed & Constructed, to give higher life of the equipment.
- Modular Construction: Easily accessible, designed with – separate independent units – Ease of maintenance to the User.
- Supplied with options of fix suspension, pull-push or geared (manual travel) or electrically operated traveling of the load.
- Very low Noise Level – less than 70 DB.
- Limit Switches provided to control movement of Hook in Hoisting motion at decided levels.
- Operating from Push Button Station – with Control Voltage of 24 Volts only – Enhanced Safety
- Each Hoist tested at 25% Overload

### Other Products

- ♦ Flame Proof (Manual & Electric) Hoists & Trolleys
- ♦ Clutch Hoists
- ♦ Reverse Hoists
- ♦ H.O.T. Cranes
- ♦ E.O.T. Cranes
- ♦ Jib Cranes

### Guarantee :

One year from date of purchase on F.O.R. Kpadwanj basis; for free repair, replacements of any part proved defective in material or workmanship.

In the interest of constant design improvements we reserve the right to change the design of the product without any notice

## MAX INDUSTRIES

Plot No. 27/28, G.I.D.C., Kapadwanj – 387620, Dist. Kheda, Gujarat  
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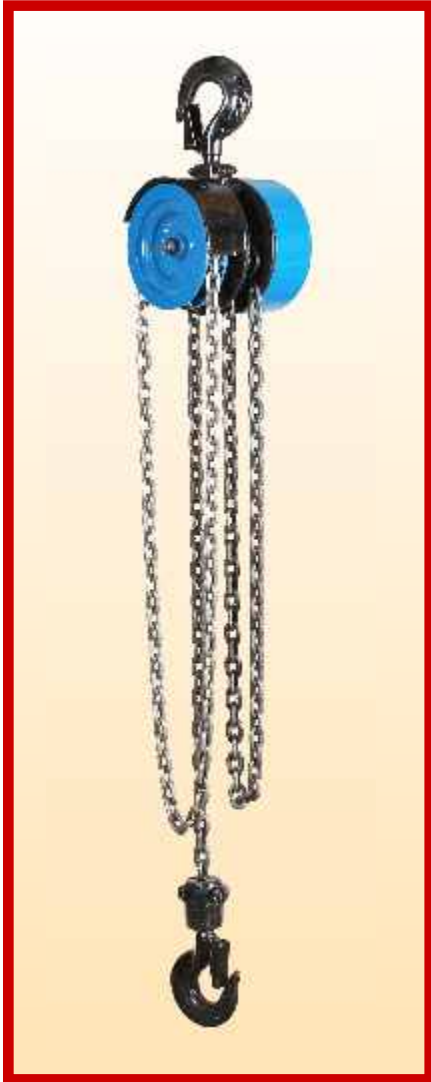
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# Chain Pulley Block



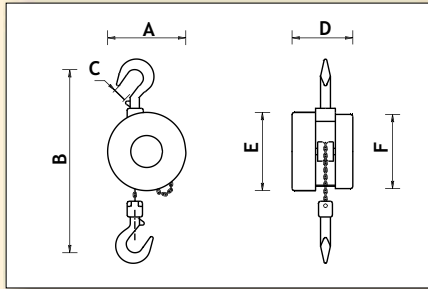
## Hand Hoists (HH Series)



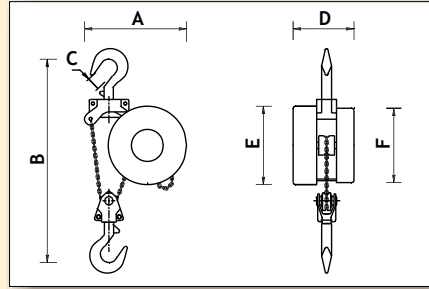
- Triple Spur Gear Type
- Heavy Duty: Class II
- Manufactured as per IS: 3832 (Indian Standard), ISI Certified since 1989
- Tested at : Each block / product 50% overload
- Hooks as per IS: 15560 – 2005
- Load Chain: Grade 80, Alloy Steel Material as per IS: 6216 – 1982
- Load Chain Wheel: S.G. Iron Casting – Accurately pocketed, internally grinded for longer life
- Braking Mechanism: Screw & Friction Disc type – Self Actuating
- Hand Chain Wheel: Pressed Steel – Accurately pocketed, Smooth Hand Chain Pulling operation
- Gears: Alloy Steel Material, precise machined, gear hobbled & case hardened – duly annealed. Lubricated in a Semi-liquid grease
- Product Testing:
  - ✦ Product Design Test: Accomplished successfully as per the requirement of IS: 3832 – 2005 (4 times load lifted for 5 minnutes – Once at the time of design stage)
  - ✦ Product Endurance Test: Accomplished successfully as per the requirement of IS: 3832 – 2005 (Carried out once in Six Months, 100 Hrs. of running on block at Hand Chain machine pulling speed of 20 Mtr./Min)
  - ✦ Product Overload Test: Each block tested at 50% overload, as per the guidelines of IS: 3832 – 2005.

*Lifting your weights... easily*

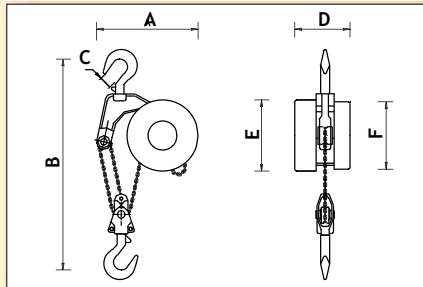
# Technical Specifications



Single Fall



Two Fall



Three Fall

Model	Capacity	Load Chain Size & No. of Falls	V.R.	Pull on Hand Chain (Kg)	A	B	C	D	Weight at 3M Lift (Kg)	Extra Wt. per M (Kg)
HH2	0.5 Ton	8x1	71	10	204	470	25.0	173	20	2.7
	1.0 Ton	8 x1	71	20	204	470	31.5	173	21	2.7
	2.0 Ton	8x2	142	21	238	540	37.5	173	29	4.1
	3.0 Ton	8x2	142	29	265	590	42.5	173	31	4.1
	5.0 Ton	8x3	213	34	295	672	53.0	173	47	5.5
HH4	7.5 Ton	12x2	188	64	320	850	75.0	270	80	8.0
	10.0 Ton	12x3	282	58	480	870	75.0	270	116	11.0

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# Chain Electric Hoist



## EH Series Hoists (Capacity 0.25 Ton to 20.0 Ton)



- Designed in two separate independent units – Motor Side (Driving Part) & Mechanism Side (Driven Part)
- Duty: Class II, 40% Intermittent Duty
- Manufactured as per IS: 6547 (Indian Standard)
- Tested at : Each hoist/ product at 25% overload
- Mechanicals
  - ✦ Hooks as per IS: 15560 – 2005
  - ✦ Load Chain: Grade 80, Alloy Steel Material as per IS: 6216 – 1982
  - ✦ Load Chain Wheel: S. G. Iron – Accurately pocketed
  - ✦ Chain Guide: Accurately manufactured with Machine matched recession to provide Load Chain precisely guided movement around the load chain wheel
  - ✦ Gears: Spur / Helical combination providing strength & smooth operation, Alloy Steel Material, precise machined, gear hobbled & case hardened – duly annealed. Lubricated in a Semi-liquid grease.
- Electricals
  - ✦ Operating on 415 V, 3 Ph, 50 Hz AC Supply
  - ✦ Driven by Conical Rotor Motor – Z Start Motor (Make: Anker) upto 2.0 Ton capacity & by Squirrel Cage Induction Motor for 3.0 Ton & Higher.
  - ✦ Braking Mechanism: Disc type, upto 2.0 Ton, A.C. Electro-magnetic Brake – 3.0 Ton & Higher.
- Safety Features
  - ✦ Control Panel Unit: Totally enclosed to protect from weather.
  - ✦ Overload Relay: Provided
  - ✦ Operational Control Station (Push Button Pendant) – suspended from Hoist with a Cable & supporting wire rope operating on only 24 Volts supply.
  - ✦ Limit Switches: Provided to control Lower Hook level & prevent accidents due to Over Hoisting & Over Lowering.
- Special Hoists as per the requirements of the Customer in Flame Proof, Reverse Hoist, Clutch Hoist & Special Power Supply requirements/ Electricals/ Control Panel / Operational Control Station can be supplied on request.
- Interchangeable Spares

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# Technical Specifications

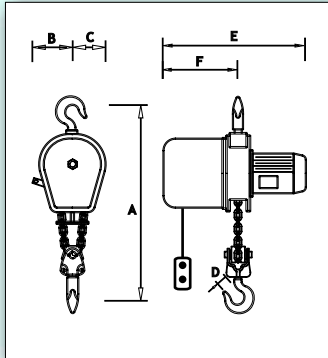


Fig: CH-1

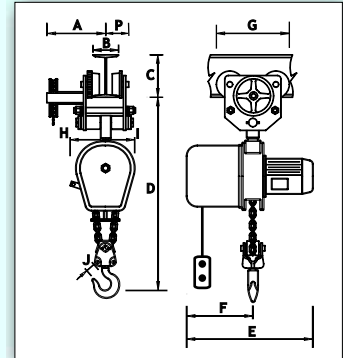


Fig: CH-2

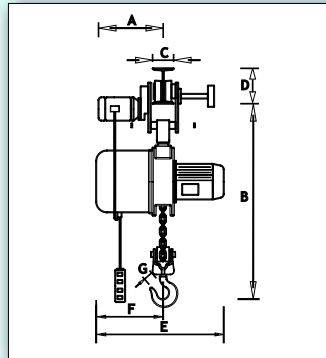


Fig: CH-3

Model	Capacity Tonne	Load Chain Size x Falls	Hoist Motor HP	Hoist Speed Mtr/ Min	As per Fig. CH-1				Weight (Kg)	
					A	B + C	D	E	For 3 M Lift	Extra per M
LCH1	0.25	6.3 x 1	0.5	6.4	560	265	32	410	35	1.5
EH2	1.0	8 x 1	1.5	4.7	640	310	32	550	54	1.8
	2.0	8 x 2	1.5	2.4	740	310	38	550	62	3.0
EH5	3.0	12 x 1	5.0	6.8	950	435	42.5	960	300	3.3
	5.0	12 x 2	5.0	3.4	1170	435	53	960	310	6.6
	7.5	12 x 3	5.0	2.3	1460	535	75	960	330	9.9
	10.0	12 x 4	5.0	1.7	1460	550	75	960	340	13.2

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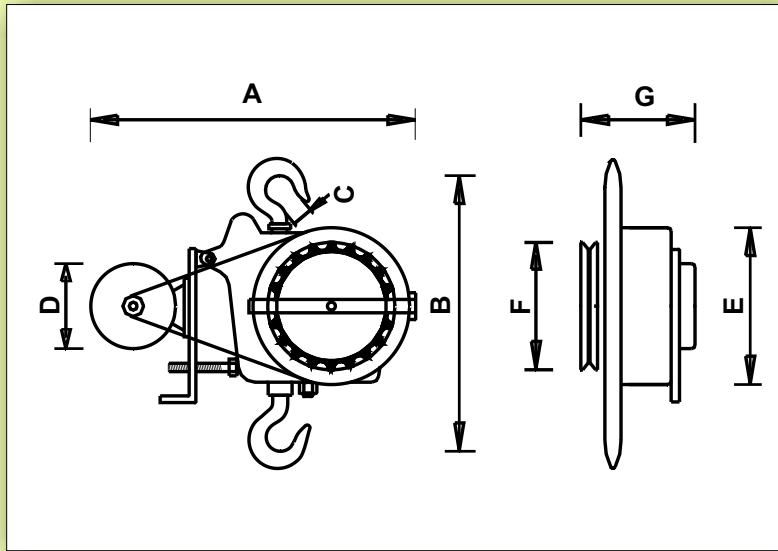
## MH Series – Belt Driven Hoists (Capacity 0.5 Ton to 20.0 Ton)



- Designed for Continuous Duty operation, also can be used in case of Power Failure.
- Introduced as a Low priced Model in Electric Hoists range.
- Available in 3 Phase & 1 Phase (selected models)
- Indigenously developed, No IS Standard available for the product. Mechanical Parts manufactured as per IS: 3832.
- Driven on V-Belt
- Tested at : Each hoist / product at 25% overload
- Mechanicals
  - ✦ Hooks as per IS: 15560 – 2005
  - ✦ Load Chain: Grade 80, Alloy Steel Material as per IS: 6216 – 1982
  - ✦ Load Chain Wheel: S.G. Iron Casting – Accurately pocketed
  - ✦ Gears: Alloy Steel Material, precise machined, gear hobbled & case hardened – duly annealed. Lubricated in a Semi-liquid grease
  - ✦ Braking Mechanism: Screw & Friction Disc type – Self Actuating
- Electricals
  - ✦ Operating on 415 V, 3 Ph & 1 Ph, 50 Hz AC Supply
  - ✦ Motor: B3 Construction, Class F, IP 55
- Safety Features
  - ✦ Control Panel Unit: Separate & Totally enclosed to protect from weather.
  - ✦ Operational Control Station (Push Button Pendant) – suspended from Hoist with a Cable & supporting wire rope operating on only 24 Volts supply.
  - ✦ On request , can be provided with limit switches & Brake Motor.

*Lifting your weights... easily*

# Technical Specifications



Model	Capacity Tonne	Load Chain Size x Falls	Hoist Motor HP	Hoist Speed Mtr/ Min	A	B	C	G	Weight (Kg) For 3 M Lift	Extra per M
MH2	0.5	8 x 1	1.0	3.5	510	600	31.5	300	42	2.0
	1.0	8 x 1	1.0	3.5	510	600	31.5	340	48	2.0
	2.0	8 x 2	1.0	1.8	510	650	37.5	340	55	3.2
	3.0	8 x 2	1.0	1.5	510	700	42.5	340	60	3.2
MH3	4.0	9 x 2	2.0	1.4	590	750	42.5	390	80	5.0
MH4	5.0	12 x 2	3.0	1.4	710	850	53	450	114	7.0
	10.0	12 x 3	3.0	1.0	950	1020	75	480	170	11.0

## MAX INDUSTRIES

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# Monorail Traveling Trolley



- One of the most easy to slide model available.
- Designed to move the load along the I-Beam axis.
- Robust / Rigid Consturction, yet easy to assemble & dismantle.
- Trolley wheels machined for accuracy in its taper on CNC Machines, hobbled gear wheels & running on roller bearings to minimize the frictional load – giving minimum effort for the operation.
- Evenly distributed load on Four wheels
- Adjustable in width to suit to the I-Beam flange width requirements.
- Interchangeable Spares
- Available in 3 Models
  - ✦ Monorail Pull-Push Traveling Trolley
    - ? Available upto 3.0 Tonne capacity
    - ? Moving By pushing / pulling the Lifted Load.
  - ✦ Monorail Geared Traveling Trolley
    - ? Available upto 40.0 Tonne capacity
    - ? Moving by pulling the chain in the downward direction
    - ? Hand Chain Wheel: Accurately pocketed & machined, made from Cast Iron.
    - ? Available in Extended Shaft Model for supply / usage with Electric Hoists.
  - ✦ Monorail Electric Traveling Trolley
    - ? Available upto 15.0 Tonne capacity
    - ? Driven by Special design, Sq. Cage, Face mounted, 3 Phase, Class F, 960 RPM, Motor
    - ? Moving by pressing the Push button.
    - ? Special Trolleys with A.C. Electromagnetic brake, limit switches can be supplied at extra cost.
- Trolleys with higher capacity, higher flange width, or suitable for double girder operation can be designed & supplied on request.

*sliding your weights... easily*

# Technical Specifications

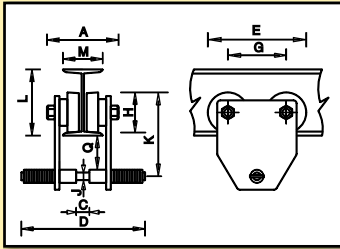


Figure T-1

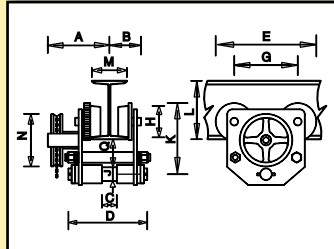


Figure T-2

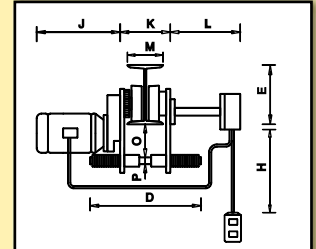


Figure T-3

## Pull-Push Traveling Trolley (T-1)

Capacity Tonnes	L Min	I-Beam M Min	M Max	A Min	D	E	J	K	Q	Wt. Kg.
1	125	75	150	178	235	210	28	175	40	12
2	150	80	180	195	240	237	35	205	50	17
3	200	100	180	195	255	280	40	230	62	30

## Monorail Geared Traveling Trolley (T-2)

Capacity Tonnes	L Min	I-Beam M Min	M Max	A Min	D	E	J	K	Q	Wt. Kg.
1	125	75	150	150	235	210	28	175	40	17
2	150	80	180	150	240	237	40	205	50	24
3	200	100	180	170	250	280	50	230	62	38
5	200	100	180	195	250	365	50	290	95	60
10	275	140	180	245	330	465	70	360	125	125
15	500	180	210	275	390	660	75	455	140	140
20	500	180	210	275	410	740	80	475	150	150

## Monorail Electric Traveling Trolley (T-3)

Capacity Tonnes	E Min	I-Beam M Min	M Max	D	J	L	P	Q	Motor HP	Speed M/Min	Wt. Kg.
1	125	75	140	235	285	270	28	60	0.25	16	30
2	150	80	180	240	285	270	40	65	0.25	16	42
3	200	100	180	250	330	475	50	82	0.5	16	55
5	200	110	180	250	330	485	50	105	0.5	16	72
7.5	275	140	180	330	350	520	70	140	0.75	16	90
10	275	140	180	330	360	520	70	140	0.75	16	115

In the interest of constant design improvements we reserve the right to change the design of the product without any notice

## MAX INDUSTRIES

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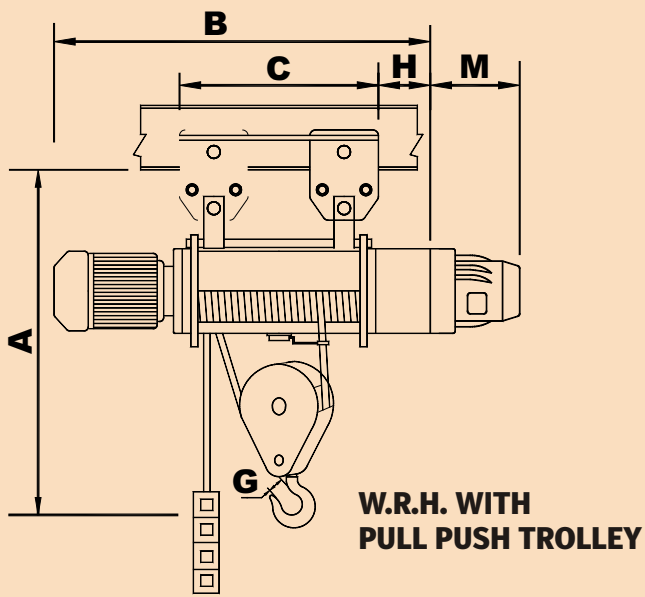
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# Electric Wire Rope Hoist

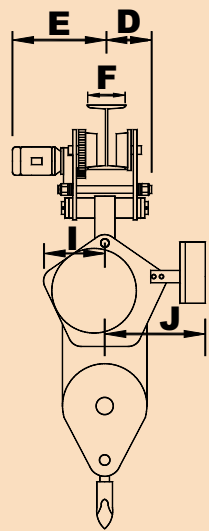


- Manufactured as per IS: 3938 for Class II & Class IV application.
- Deep grooved Drum, Designed & Constructed, to give higher life of the equipment.
- Modular Construction: Easily accessible, designed with – separate independent units – Ease of maintenance to the User.
- Supplied with options of fix suspension, pull-push or geared (manual travel) or electrically operated traveling of the load.
- Very low Noise Level – less than 70 DB.
- Limit Switches provided to control movement of Hook in Hoisting motion at decided levels.
- Operating from Push Button Station – with Control Voltage of 24 Volts only – Enhanced Safety
- Each Hoist tested at 25% Overload

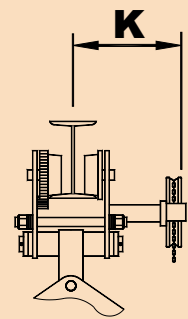
# Technical Specifications



W.R.H. WITH  
PULL PUSH TROLLEY



W.R.H. WITH  
ELECTRIC TROLLEY



W.R.H. WITH  
GEAR TROLLEY

MODEL	MI-0	MI-I	MI-II	MI-N	MI-II	MI-N	MI-III	MI-0	MI-I	MI-II	MI-III	MI-IV
CAPACITY in Tonnes (CLASS)	0.5 (II)	1.0 (IV)	2.0 (IV) / 2.5 (II)	2.0 (II)	3.0 (II)	3.0 (II)	3.0 (IV)	1.0 (II)	2.0 (IV)	4.0 (IV) / 5.0 (II)	6.0 (IV) / 7.5 (II)	10.0 (II)
No. of Falls	2	2	2	2	2	3	2	4	4	4	4	6
LIFT (MTRS.)	6	6	6	6	6	6	6	6	6	6	6	6
APR. WEIGHT (Fix Suspension) (KG)	110	270	390	220	390	280	540	145	325	510	830	990
Dim. B	700	1125	1220	980	1350	1220	1305	940	1315	1370	1455	1645
Dim. C	500	591	620	380	750	540	620	740	771	770	770	1180
HOISTING SPEED Mtr./ Min	9	9	8	5	6.6	3.2	8	4.5	4.5	4	4	2.65
HOISTING MOTOR H.P. (K.W.)	1.5 (1.1)	3 (2.2)	5 (3.7)	3 (2.2)	5 (3.7)	3 (2.2)	7.5 (5.5)	1.5 (1.1)	3 (2.2)	5 (3.7)	7.5 (5.5)	7.5 (5.5)
TRAVELING SPEED Mtr./Min	16	18	18	15	16	15	18	16	18	18	18	18
TRAVELING MOTOR H.P. (K.W.)	0.25 (0.18)	0.25 (0.18)	0.5 (0.37)	0.25 (0.18)	0.5 (0.37)	0.5 (0.37)	0.5 (0.37)	0.25 (0.18)	0.25 (0.18)	0.75 (0.55)	0.75 (0.55)	0.75 (0.55)
MIN HEIGHT OF I BEAM - MM	125	175	250	150	250	250	250	125	175	250	250	300
Dim. F MIN - MAX	75-140	90-180	125-210	80-210	125-210	125-210	125-210	75-140	90-180	125-210	125-210	140-210
Dim. A Head Room	710	980	1160	860	1160	1100	1260	790	1035	1265	1440	1550
Dim. D MIN-MAX	310-340	155-200	165-180	135-200	165-180	165-180	165-180	310-340	155-200	165-180	165-180	435-470
Dim. E MIN-MAX	400-435	400-445	415-460	365-400	415-460	415-460	415-160	400-435	400-445	415-460	415-460	435-470
Dim. G	31.5	31.5	37.5	37.5	42.5	42.5	42.5	31.5	37.5	53	67	75
Dim. H	65	130	155	300	155	300	175	65	130	155	175	85
Dim. I	125	150	200	155	200	175	250	210	265	295	375	375
Dim. J	320	375	400	160	400	160	450	320	375	400	450	635
Dim. K (Min)	310	310	310	310	310	310	310	310	310	310	310	500

All dimensions are in mm.

- Designed & Constructed, to give higher life of the equipment.
- Rope Drum is fitted in the Drum Housing constructed inline with the Side Plates supporting the Rope Drum. This, instead of Long distance bolts gives better strength & lesser skewing effect to the drum. Type 'N' Hoists are designed with Long Distance Bolts.
- Modular Construction: Easily accessible, designed with - separate independent units – Motor Side (Driving Part), Gearbox (Intermediate), Mechanism Side (Driven Part) & Control Unit. Giving ease of maintenance to the user.
- Supplied with options of fix suspension (no travel – only hoisting), pull-push or geared (manual travel) or electrically operated traveling of the load.
- Driven by Conical Rotor Motor – Z Start Motor (Make: Anker) for MI-0 Hoist. For Other models, Squirrel Cage Induction Motor fitted with Electromagnetic Brake are used.
- Manufactured as per IS: 3938 (Indian Standard) for Class II & Class IV (medium duty & heavy duty) application
- Tested at 25 % Overload
- Hooks: As per IS: 15560 – 2005, supported on Thrust Bearings.
- Rope Drum: Made from Seamless pipe & grooves are at approx. 2/3rd of height of the wire rope dia. to have proper sitting in the drum.
- Rope Guide: Providing proper guide along the axis of Rope slides & is easy to dismantle from rope drum while maintenance.
- Gears: Alloy Steel Material, precise machined, gear hobbled & case hardened – duly annealed. Spur / Helical combination to provide strength & smooth operation. Gears shall be lubricated with a semi-liquid grease / oil as per the designs.
- Motor: Conical Rotor Motor – operating on 415 Volts, 3 Phase, 50 Hz AC Supply with In-built braking mechanism (For MI-0 Hoist) & Hoist Duty, Squirrel Cage Induction Motor with high starting torque – operating on 415 Volts, 3 Phase, 50 Hz AC Supply with Electromagnetic Brake. Continuously rated, Suitable for frequent reversing & braking.
- Braking Mechanism: Disc type, Spring Loaded acting at any load position (For MI-0 Model) & A.C. Electromagnetic Brake for Other Models.
- Control Panel Unit: Totally enclosed to protect from Weather / Dust, giving output at 24 Volts to the Operational Control Station (Push Button Station).
- Operational Control Station: Suspended from Hoist with a Cable & supporting Wire rope – with two push buttons extendable to four / six push button station. Operated with 24 Volts.
- Overload Relay: Provided for protection to Motor
- Limit Switches: Provided to control movement of Hook in Hoisting motion at decided levels activated by Rope Guide for Upper limit, Lower limit & Overlowering..
- Special Hoists with Creep Speed arrangement, Special Control Panel Station, higher lift, Short Head room also can be supplied at an extra cost.



## MAX INDUSTRIES

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