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MIT
Hoist & Crane

Electric Wire Rope Hoists

Electric Chain Hoists



TAIZHOU ETALON MACHINERY CO.,LTD

Add: Xiaochou Industrial Area, Luqiao, Taizhou , Zhejiang China

Tel: +86-576-82453785

Fax: +86-576-82453793

Email: sales@mithoist.com

www.mithoist.com



COMPANY PROFILE

Taizhou Etalon Machinery Co., Ltd is located in Taizhou City, which is an important modern harbor city with convenient transportation in Zhejiang Province and famous for industry, market, tour in China. Our city is 3 hours by train to shanghai, and 2 hours by car to NINGBO port.

Our company is specialized in design and manufacturing Electric Chain Hoists, electric wire rope hoists, Geored Motors and other cranes components. We also provide various of under hook device such as magnet lift, chain slings, polyester slings..etc, and hand tools such as manual chain hoists, level blocks, hand pullers..etc.

After 15 years of unremitting efforts, now we have owned scientific management systems, talented people, advanced production techniques and equipment and improved detection methods. All the products meet the exact standards of EC, FEM and DIN. And our products have been exported to Europe, America, the Middle East, Africa and Southeast Asia.

According to the service idea of "initiative, speediness, circumspection, satisfactory", our company strengthening the dynamics of innovation and investment in order to make "MIT" become international famous brand of the hoisting machinery, and offering customers all lifting solution services and support.

We sincerely look forward to cooperate with you and welcome to visit us!

THE LOAD SPECTRUM

(in most cases estimated) can be evaluated according to the definitions below:

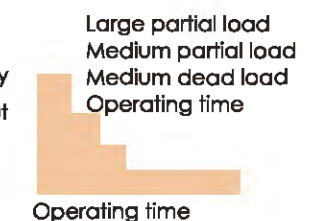
1. Light

Hoist units which are usually subject to very small loads and only in exceptional cases to maximum loads.



2. Medium

Hoist units which are usually subject to very small loads but often to maximum loads.



3. Heavy

Hoist units which are usually subject to medium loads but frequently to maximum loads.



4. Very heavy

Hoist units which are usually subject to maximum or almost maximum loads.



Choosing a motor according to FEM 9.683

In addition to the torque the decisive criterion for rating an electric motor is the heat it generates. Here we differentiate between two operational modes:

ED= Operating period/ Operating period+ rest periods

Intermittent duty

The number of cycles that can be made under full load is calculated as follows:

$S \approx 0.3 \times \frac{Ed \times V}{H}$

S= Cycles per hour

ED= Duty rating in%

V= Lifting speed in m/min

H= Average lifting height in m

A cycle consists of a motion of lifting, lowering and the rest periods. One must ensure that the lifting height does

not exceed the value permitted by the percentage duty cycle referred to a cycle period of 10 minutes

and that simultaneously the permissible number of starts is not exceeded. It is generally accepted that a cycle consists of 6 starts.

Short time duty

Where special duty conditions exist (e.g. long hook path) the operating period must be of such length that the admissible temperature limit of the motor is not exceeded. For such cases intermittent duty must be replaced by short time duty. That is, the motor may be operated for up to 10 starts over a certain period (with Yale products 30 min). Thereafter the motor must cool down to room temperature.

ISO Classification

Class of Loading	Loading Factor	Average Daily Operating Time (Hour)							
		≤0.12	≤0.25	≤0.5	≤1	≤2	≤4	≤8	≤16
Light	$K \leq 0.125$	/	/	M1	M2	M3	M4	M5	M6
Medium	$0.125 \leq K \leq 0.25$	/	M1	M2	M3	M4	M5	M6	/
Heavy	$0.25 \leq K \leq 0.5$	M1	M2	M3	M4	M5	M6	/	/
Very Heavy	$0.5 \leq K \leq 1$	M2	M3	M4	M5	M6	/	/	/

FEM Classification

Class of Loading	Loading Factor	Average Daily Operating Time (Hour)							
		≤0.12	≤0.25	≤0.5	≤1	≤2	≤4	≤8	≤16
Light	$K \leq 0.125$	/	/	1Dm	1Cm	1Bm	1Am	2m	3m
Medium	$0.125 \leq K \leq 0.25$	/	1Dm	1Cm	1Bm	1Am	2m	3m	4m
Heavy	$0.25 \leq K \leq 0.5$	1Dm	1Cm	1Bm	1Am	2m	3m	4m	5m
Very Heavy	$0.5 \leq K \leq 1$	1Cm	1Bm	1Am	2m	3m	4m	5m	/

Hoist models

Code	Rated Capacity
0.25	250kg
0.5	500kg
01	1t
1.5	1.5t
02	2t
2.5	2.5t
03	3t
05	5t
7.5	7.5t
10	10t
15	15t
20	20t
25	25t
30	30t
35	35t

Lifting Dual Speed

MHT 01 ER-01 D

ER	Type of hoist with clutch and fan
LH	Type of Low-head room
HT	Type of Economic hoist
EP	Type of Explosion Proof Hoist
ST	Type of Stage Hoist
DX	Type of Compact Hoist DX series
TW	Type of Twin hook hoist
EF	Type of Compact Hoist EF series

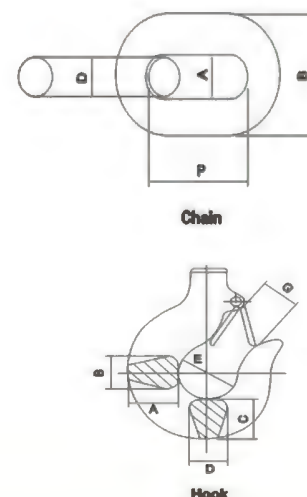
Code	No.of load chain
01	1
02	2
03	3
04	4
06	6
08	8
10	10
12	12
16	16

Chain Specification

Applicable Type	Diameter (mm)D	Inside length (mm)P"	Inside width (mm)A"	Outside width (mm)B"	Work load (Kg)"	Guaranteed load(KN)"	Break load (KN)"
MHT0.25DX-01	4	12	5	13	0.5	12	20.2
MHT0.5-01	6.3	19	7.9	20.5	1200	27	47
MHT01-01	7.1	21	8.8	23.5	1600	37	61.6
MHT02-02	7.1	21	8.8	23.5	1600	37	61.6
MHT03-03	7.1	21	8.8	23.5	1600	37	61.6
MHT0.25ER-01	8	24	10	25	2000	48	80.6
MHT02-01	10	30	12.5	33	3200	76	125
MHT03-02	10	30	12.5	33	3200	76	125
MHT03-01	11.2	34	14	38	3800	92	154
MHT05-02	11.2	34	14	38	3800	92	154
MHT7.5-03	11.2	34	14	38	3800	92	154
MHT10-04	11.2	34	14	38	3800	92	154

Hook Specification

Type	Load(T)	A	B	C	D	E	G
MHT	0.5	27	18	25	17	32	25
	1	36	25	30	24	42	32
	2	46	29	39	30	49	40
	3	56	36	49	34	59	48
	5	67	43	57	44	60	48
	7.5	82	55	80	50	90	70
	10	82	55	80	48	90	70
	16	110	70	95	60	95	65
	20,26	142	95	155	98	150	115
	30	125	90	115	85	110	80
	35	150	100	140	90	130	100

ER series
Hoist Features

Long-Life Friction Clutch



The friction clutch prevents damage to the hoist by automatically engaging in the event of a severe overload. When the slip clutch engages the motor is allowed to continue turning protecting both you and the hoist.

Durable Upper/Lower Limit Switch



The limit switch stops operation if either end of the load chain contacts the hoist body, and the low profile design improves the hoist headroom.



Extreme Duty Fan-cooled Motor

Equipped with cooling fan on all four sides of the Aluminum Alloy motor housing, the hoist increases the duty cycle a lot, to satisfy more heavier industry working condition.



Inverter (Optional)

With inverter, hoist works more smoothly to soft start and soft stop, it can adjust the speed of lifting and travelling, to satisfy precious machinery and moulding industry.



Two Trolley Shaft

With two shaft between hoist and trolley, the hoist moves more stable. Also it is designed for easy maintenance.

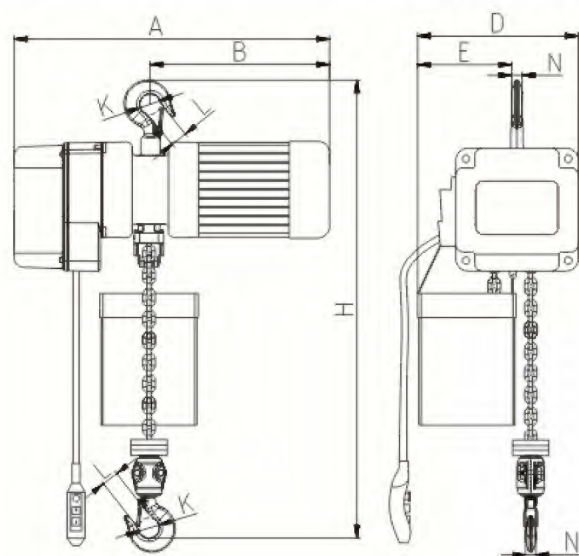


Ergonomic Push Button Pendant

Your comfort and safety are assured with push-button pendants that are fitted with ergonomic controls and an emergency stop button.

ER series

Electric Chain Hoist With Hook Suspension

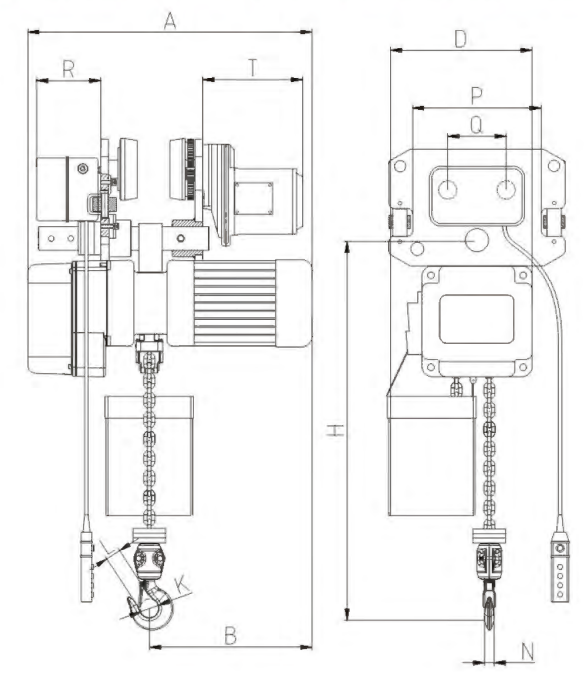


Model	Capacity (Ton)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Moto (Kw)	Load Chain Dimension (mm)	Load Chain Falls	Net weight(Kg) With 4m Load Chain
MHT01ER-01	1	2m/M5	30%	7.2	1.5	8.0	1	65
MHT01ER-01D	1	2m/M5	26.6%/13.4%	7.2/2.4	1.5/0.6	8.0	1	70
MHT02ER-01	2	2m/M5	40%	5.4	3.0	10.0	1	115
MHT02ER-01D	2	2m/M5	26.6%/13.4%	6.8/2.3	4.0/1.8	10.0	1	125
MHT02ER-02	3	2m/M5	40%	3.6	1.5	7.1	2	72
MHT02ER-02D	3	2m/M5	26.6%/13.4%	3.6/1.2	1.5/0.6	7.1	2	77
MHT03ER-01	3	1Am/M4	30%	5.4	3.0	11.2	1	116
MHT03ER-01D	3	1Am/M4	20%/10%	5.6/1.9	4.0/1.8	11.2	1	126
MHT03ER-02	3	1Am/M4	30%	2.8	3.0	10.0	2	124
MHT03ER-02D	3	1Am/M4	20%/10%	3.4/1.2	4.0/1.8	10.0	2	134
MHT05ER-02	5	1Am/M4	30%	2.7	3.0	11.2	2	145
MHT05ER-02D	5	1Am/M4	20%/10%	2.2/0.8	4.0/1.8	11.2	2	155

Model	Capacity (Ton)	Unit(mm)							
		H	A	B	D	E	K	L	N
MHT01ER-01	1	400	595	320	300	245	Φ40	31	24
MHT02ER-01	2	500	645	330	320	245	Φ49	35	30
MHT02ER-02	2	600	595	320	300	245	Φ49	35	30
MHT03ER-01	3	650	785	395	465	295	Φ59	42	35
MHT03ER-02	3	620	645	330	320	295	Φ59	42	35
MHT05ER-02	5	880	785	395	465	360	Φ60	45	43

ER series

Electric Chain Hoist With Electric Trolley

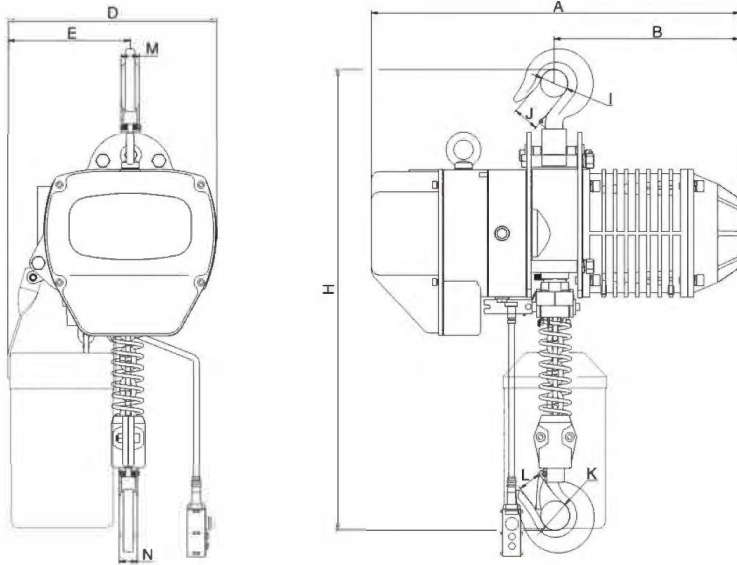


Model	Capacity (Ton)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Motor (Kw)	Load Chain Dimension (mm)	Load Chain Falls	Net weight(Kg) With 4m Load Chain
MHT01ER-01	1	2m/M5	30%	7.2	1.5	8.0	1	105
MHT01ER-01D	1	2m/M5	26.6%/13.4%	7.2/2.4	1.5/0.6	8.0	1	115
MHT02ER-01	2	2m/M5	40%	5.4	3.0	10.0	1	165
MHT02ER-01D	2	2m/M5	26.6%/13.4%	6.8/2.3	4.0/1.8	10.0	1	175
MHT02ER-02	2	2m/M5	40%	3.6	1.5	7.1	2	122
MHT02ER-02D	2	2m/M5	26.6%/13.4%	3.6/1.2	1.5/0.6	7.1	2	127
MHT03ER-01	3	1Am/M4	30%	5.4	3.0	11.2	1	176
MHT03ER-01D	3	1Am/M4	20%/10%	5.6/1.9	4.0/1.8	11.2	1	186
MHT03ER-02	3	1Am/M4	30%	2.8	3.0	10.0	2	184
MHT03ER-02D	4	1Am/M4	20%/10%	3.4/1.2	4.0/1.8	10.0	2	194
MHT05ER-02	5	1Am/M4	30%	2.7	3.0	11.2	2	235
MHT05ER-02D	5	1Am/M4	20%/10%	2.2/0.8	4.0/1.8	11.2	2	245

Model	Capacity (Ton)	Unit(mm)							
		H	A	B	D	E	K	L	N
MHT01ER-01	1	400	595	320	300	245	Φ40	31	24
MHT02ER-01	2	500	645	330	320	245	Φ49	35	30
MHT02ER-02	2	600	595	320	300	245	Φ49	35	30
MHT03ER-01	3	650	785	395	465	295	Φ59	42	35
MHT03ER-02	3	620	645	330	320	295	Φ59	42	35
MHT05ER-02	5	880	785	395	465	360	Φ60	45	43

ES series

Electric Chain Hoist With Hook Suspension

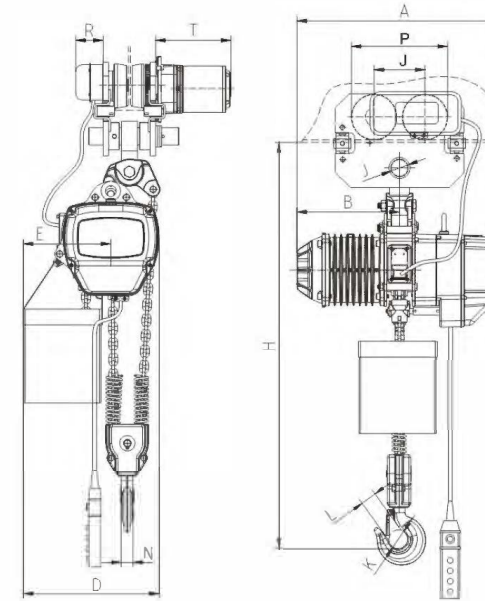


Model	Capacity (Ton)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Moto (Kw)	Load Chain Dimension (mm)	Load Chain Falls	Net weight(Kg) With 4m Load Chain
MHT0.5-01	0.5	1Am/M4	30%	7.8	0.75	6.3	1	45
MHT0.5-01D	0.5	1Am/M4	20%/10%	7.2/2.4	0.8/0.27	6.3	1	50
MHT01-01	1	1Am/M4	30%	6.8	1.5	7.1	1	65
MHT01-01D	1	1Am/M4	20%/10%	7.2/2.4	1.5/0.6	7.1	1	70
MHT01-02	1	1Am/M4	30%	3.9	0.75	6.3	2	50
MHT01-02D	1	1Am/M4	20%/10%	7.2/2.4	0.8/0.27	6.3	2	55
MHT02-01	2	1Am/M4	30%	6.8	3.0	10.0	1	115
MHT02-01D	2	1Am/M4	20%/10%	6.8/2.3	1.8/4.0	10.0	1	120
MHT02-02	2	1Am/M4	30%	3.4	1.5	7.1	2	72
MHT02-02D	2	1Am/M4	20%/10%	3.6/1.2	1.5/0.6	7.1	2	77
MHT03-01	3	1Am/M4	30%	5.6	3.0	11.2	1	116
MHT03-01D	3	1Am/M4	20%/10%	5.6/1.9	4.0/1.8	11.2	1	126
MHT03-02	3	1Am/M4	30%	3.4	3.0	10.0	2	124
MHT03-02D	3	1Am/M4	20%/10%	3.4/1.2	4.0/1.8	10.0	2	134
MHT05-02	5	1Am/M4	30%	2.8	3.0	11.2	2	145
MHT05-02D	5	1Am/M4	20%/10%	2.2/0.8	4.0/1.8	11.2	2	155
MHT7.5-03	7.5	1Am/M4	30%	1.8	3.0	11.2	3	183
MHT7.5-03D	7.5	1Am/M4	20%/10%	1.9/0.8	4.0/1.8	11.2	3	193

Model	Capacity Unit(mm)											
	(Ton)	H	A	B	D	E	I	J	K	L	M	N
MHT0.5-01	0.5	550	460	230	280	160	Φ32	25	Φ32	Φ25	17	17
MHT01-01	1	600	520	260	300	176	Φ40	31	Φ40	Φ31	24	24
MHT01-02	1	670	460	230	280	205	Φ40	31	Φ40	Φ31	24	24
MHT02-01	2	800	620	310	430	265	Φ49	35	Φ49	Φ35	30	30
MHT02-02	2	750	520	260	300	230	Φ49	35	Φ49	Φ35	30	30
MHT03-01	3	845	620	310	430	265	Φ59	42	Φ59	Φ42	35	35
MHT03-02	3	950	620	310	430	320	Φ59	42	Φ59	Φ42	35	35
MHT05-02	5	1030	620	310	430	325	Φ60	45	Φ60	Φ45	43	43
MHT7.5-03	7.5	1200	620	310	500	320	Φ70	191	Φ90	Φ45	85	50

ES series

Electric Chain Hoist With Electric Trolley

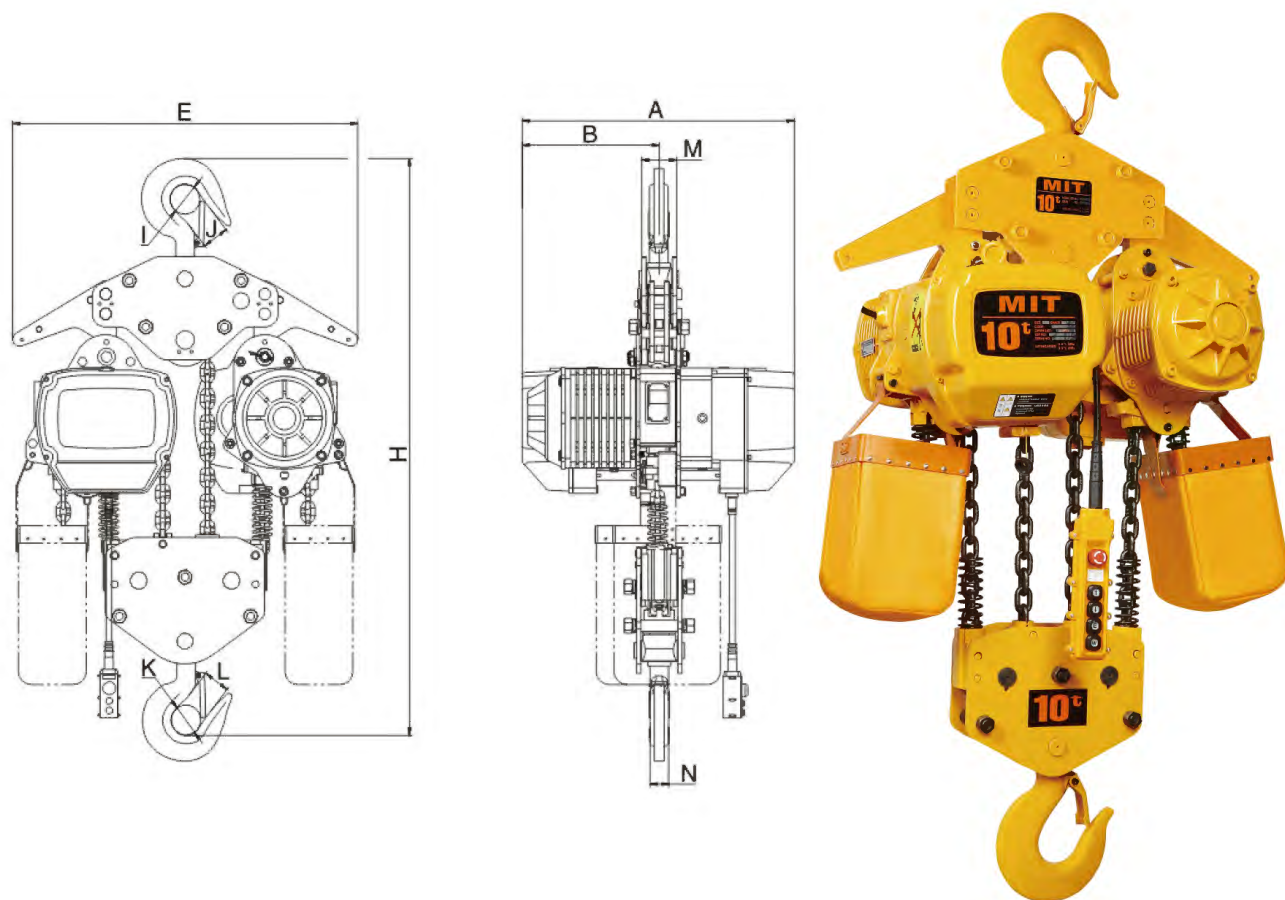


Model	Capacity (Ton)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Motor (Kw)	Traveling Speed (m/min)	Trolley Motor (kw)	Beam Flange (mm)	Load Chain Dimension (mm)	Load Chain Falls	Net weight(Kg) With 4m Load Chain
MHT0.5-01	10.5	1Am/M4	30%	7.8	0.75	12.2	0.12	58-130	6.3	1	64
MHT0.5-01D	10.5	1Am/M4	20%/10%	7.2/2.4	0.8/0.27	12.2	0.12	58-130	6.3	1	69
MHT01-01	1	1Am/M4	30%	6.8	1.5	10 or 20	0.4	80-160	7.1	1	105
MHT01-01D	1	1Am/M4	20%/10%	7.2/2.4	1.5/0.6	10 or 20	0.4	80-160	7.1	1	110
MHT01-02	1	1Am/M4	30%	3.9	0.75	10 or 20	0.4	80-160	6.3	2	90
MHT01-02D	1	1Am/M4	20%/10%	7.2/2.4	0.8/0.27	10 or 20	0.4	80-160	6.3	2	95
MHT02-01	2	1Am/M4	30%	6.8	3.0	10 or 20	0.4	82-178	10.0	1	162
MHT02-01D	2	1Am/M4	20%/10%	6.8/2.3	4.0/1.8	10 or 20	0.4	82-178	10.0	1	172
MHT02-02	2	1Am/M4	30%	3.4	1.5	10 or 20	0.4	82-178	7.1	2	119
MHT02-02D	2	1Am/M4	20%/10%	3.6/1.2	1.5/0.6	10 or 20	0.4	82-178	7.1	2	129
MHT03-01	3	1Am/M4	30%	5.6	3.0	10 or 20	0.4	100-180	11.2	1	173
MHT03-01D	3	1Am/M4	20%/10%	5.6/1.9	1.8/4.0	10 or 20	0.4	100-180	11.2	1	183
MHT03-02	3	1Am/M4	30%	3.4	3.0	10 or 20	0.4	100-178	10.0	2	181
MHT03-02D	3	1Am/M4	20%/10%	3.4/1.2	4.0/1.8	10 or 20	0.4	100-178	10.0	2	191
MHT05-02	5	1Am/M4	30%	2.8	1.5	10 or 20	0.75	110-180	11.2	2	227
MHT05-02D	5	1Am/M4	20%/10%	2.2/0.8	4.0/1.8	10 or 20	0.75	110-180	11.2	2	237
MHT7.5-03	7.5	1Am/M4	30%	1.8	3.0	10 or 20	0.75	120-180	11.2	3	294
MHT7.5-03D	7.5	1Am/M4	20%/10%	1.9/0.8	4.0/1.8	10 or 20	0.75	120-180	11.2	3	304

Model	Capacity (Ton)	Unit(mm) H	A	B	D	E	I	J	P	K	L	N	R	T
MHT0.5-01	0.5	550	460	230	280	160	Φ32	25	162	Φ32	Φ25	17	142	150
MHT01-01	1	600	520	260	300	176	Φ40	31	206	Φ40	Φ31	24	142	231
MHT01-02	1	670	460	230	280	205	Φ40	31	206	Φ40	Φ31	24	142	230
MHT02-01	2	800	620	310	430	265	Φ49	35	237	Φ49	Φ35	30	142	231
MHT02-02	2	750	520	260	300	230	Φ49	35	237	Φ49	Φ35	30	142	231
MHT03-01	3	845	620	310	430	265	Φ59	42	265	Φ59	Φ42	35	142	231
MHT03-02	3	950	620	310	430	320	Φ59	42	265	Φ59	Φ42	35	142	231
MHT05-02	5	1030	620	310	430	325	Φ60	45	296	Φ60	Φ45	43	142	231
MHT7.5-03	7.5	1200	620	310	500	320	Φ70	191	366	Φ90	Φ45	50	142	231

ES series

Electric Chain Hoist With Hook Suspension(Large Capacity)

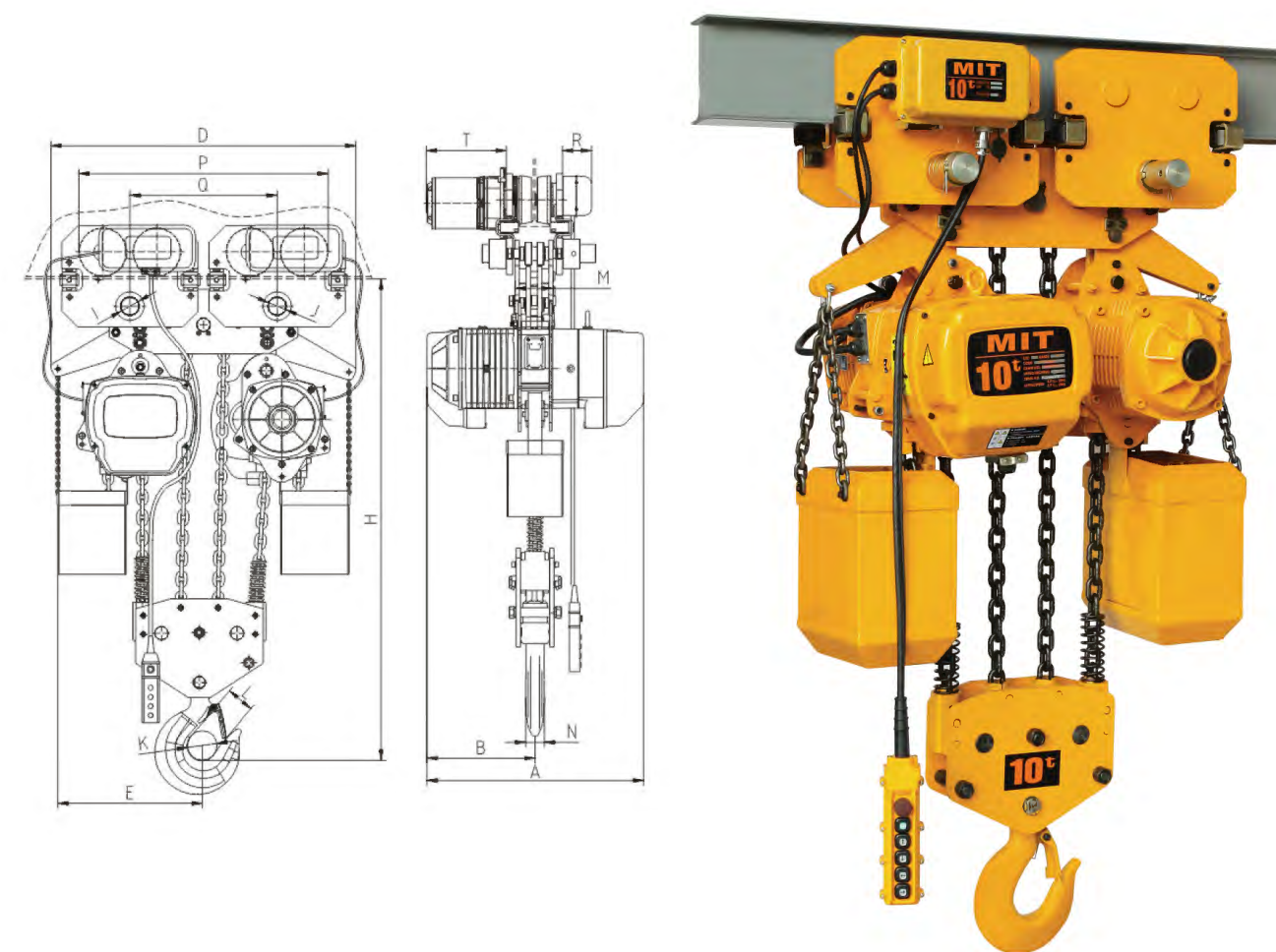


Model	Capacity (Ton)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Moto (Kw)	Load Chain Dimension (mm)	Load Chain Falls	Net weight(Kg) With 4m Load Chain
MHT10-04	10	1Am/M4	30%	2.8	3.0x2	11.2	4	327
MHT15-06	15	1Am/M4	30%	1.9	3.0x2	11.2	6	445
MHT20-08	20	1Am/M4	30%	1.4	3.0x2	11.2	8	490
MHT25-10	25	1Am/M4	30%	1.1	3.0x2	11.2	10	600
MHT30-12	30	1Am/M4	30%	0.9	3.0x2	11.2	12	1145
MHT35-16	35	1Am/M4	30%	0.7	3.0x2	11.2	16	1180

Model	Capacity (Ton)	Unit(mm)						
		H	A	B	K	L	M	N
MHT10-04	10	1400	630	315	Φ90	65	85	50
MHT15-06	15	1360	630	315	Φ110	80	88	85
MHT20-08	20	1300	630	315	Φ110	80	88	85
MHT25-10	25	1700	630	315	Φ140	100	96	95
MHT30-12	30	1640	860	430	Φ145	100	228	98
MHT35-16	35	1790	860	430	Φ200	140	235	135

ES series

Electric Chain Hoist With Electric Trolley (Large Capacity)

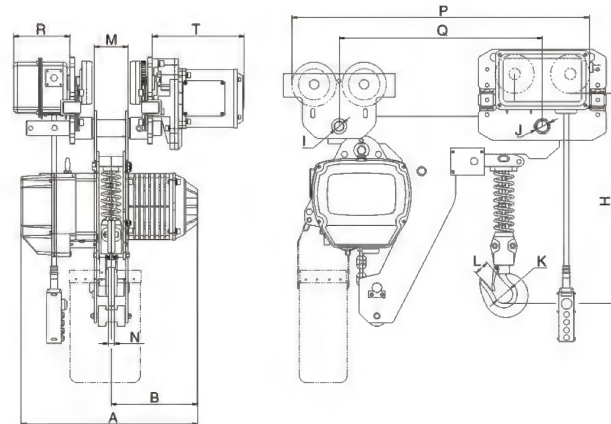


Model	Capacity (Ton)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Moto (Kw)	Traveling Speed (m/min)	Trolley Motor (kw)	Beam Flange (mm)	Load Chain Dimension (mm)	Load Chain Falls
MHT10-04	10	1Am/M4	30%	2.8	3.0x2	10 or 20	0.75	150-202	11.2	4
MHT15-06	15	1Am/M4	30%	1.9	3.0x2	10 or 20	0.75x2	150-220	11.2	6
MHT20-08	20	1Am/M4	30%	1.4	3.0x2	10 or 20	0.75x2	150-220	11.2	8
MHT25-10	25	1Am/M4	30%	1.1	3.0x2	10 or 20	0.75x2	150-220	11.2	10
MHT30-12	30	1Am/M4	30%	0.9	3.0x2	10 or 20	0.75x2	150-220	11.2	12
MHT35-16	35	1Am/M4	30%	0.7	3.0x2	10 or 20	0.75x2	150-220	11.2	16

Model	Capacity (Ton)	Unit(mm)							
		H	A	B	D	K	L	M	N
MHT10-04	10	1400	630	315	860	Φ90	65	85	50
MHT15-06	15	1360	630	315	1030	Φ110	80	88	85
MHT20-08	20	1300	630	315	1220	Φ110	80	88	85
MHT25-10	25	1700	630	315	1450	Φ140	100	96	95
MHT30-12	30	1640	860	430	1380	Φ145	100	228	98
MHT35-16	35	1790	860	430	1600	Φ200	140	235	135

LH series

Low-headroom Electric Chain Hoist

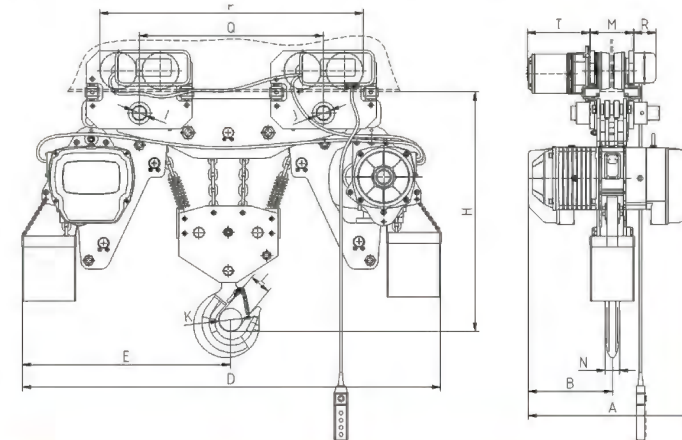


Model	Capacity (Ton)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Moto (Kw)	Traveling Speed (m/min)	Trolley Motor (kw)	Beam Flange (mm)	Load Chain Dimension (mm)	Load Chain Falls
MHT0.5LH-01	0.5	1Am/M4	30%	7.8	0.75	12.2	0.12	58-130	11.2	1
MHT01LH-01	1	1Am/M4	30%	6.8	1.5	10 or 20	0.4	100-160	11.2	1
MHT01LH-02	1	1Am/M4	30%	3.9	0.75	10 or 20	0.4	110-160	11.2	2
MHT02LH-01	2	1Am/M4	30%	6.8	3.0	10 or 20	0.4	82-178	11.2	1
MHT02LH-02	2	1Am/M4	30%	3.4	1.5	10 or 20	0.4	120-160	11.2	2
MHT03LH-01	3	1Am/M4	30%	5.6	3.0	10 or 20	0.4	110-180	11.2	1
MHT03LH-02	3	1Am/M4	30%	3.4	3.0	10 or 20	0.4	120-180	11.2	2
MHT05LH-02	5	1Am/M4	30%	2.8	3.0	10 or 20	0.75	120-180	11.2	2
MHT7.5LH-03	7.5	1Am/M4	30%	1.8	3.0	10 or 20	0.75	128-180	11.2	3

Model	Capacity	Unit(mm)												
	(Ton)	H	A	B	K	L	M	N	I	J	P	Q	R	T
MHT0.5LH-01	0.5	350	460	230	Φ32	25	50	17	Φ31	Φ31	595	410	142	231
MHT01LH-01	1	480	520	260	Φ40	31	56	24	Φ31	Φ31	635	450	142	231
MHT01LH-02	1	410	460	230	Φ40	31	50	24	Φ31	Φ31	595	410	142	231
MHT02LH-01	2	570	620	310	Φ49	35	62	30	Φ36	Φ36	727	512	142	231
MHT02LH-02	2	535	520	260	Φ49	35	56	30	Φ31	Φ31	670	450	142	231
MHT03LH-01	3	640	620	310	Φ59	42	74	35	Φ43	Φ43	779	530	142	231
MHT03LH-02	3	685	620	310	Φ59	42	62	35	Φ43	Φ43	750	505	142	231
MHT05LH-02	5	740	620	310	Φ60	45	77	43	Φ43	Φ54	820	530	142	231
MHT7.5LH-03	7.5	900	620	310	Φ90	65	77	50	Φ43	Φ54	1024	740	142	231

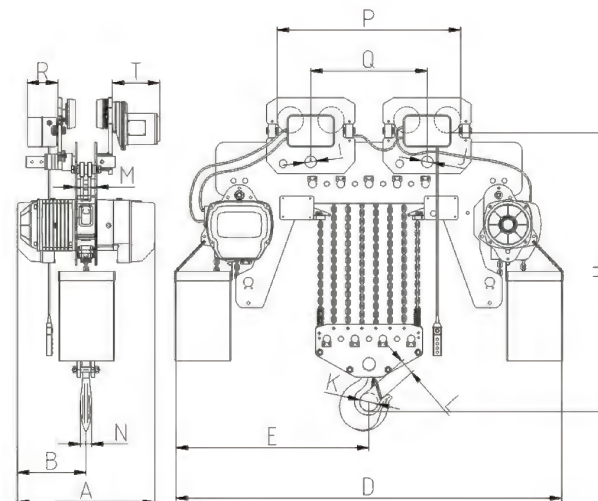
LH series

Low-headroom Electric Chain Hoist



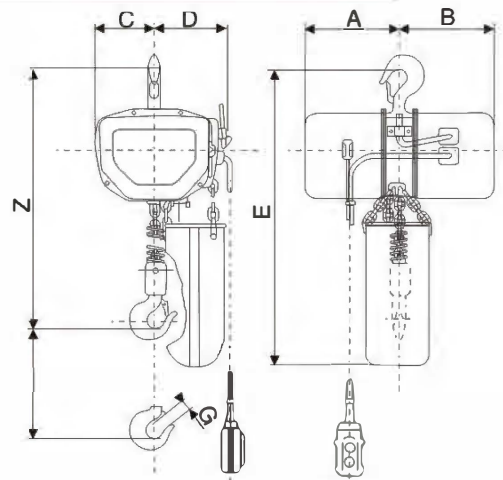
Model	Capacity (Ton)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Motor (Kw)	Traveling Speed (m/min)	Trolley Motor (kw)	Beam Flange (mm)	Load Chain Dimension (mm)	Load Chain Falls
MHT10LH-04	10	1Am/M4	30%	2.7	3.0x2	10 or 20	0.75	110-180	11.2	4

Model	Capacity	Unit(mm)												
	(Ton)	H	A	B	D	E	I	J	K	L	M	Q	P	T
MHT10LH-04	10	880	630	315	1640	820	Φ54	Φ54	Φ90	65	77	613	926	231



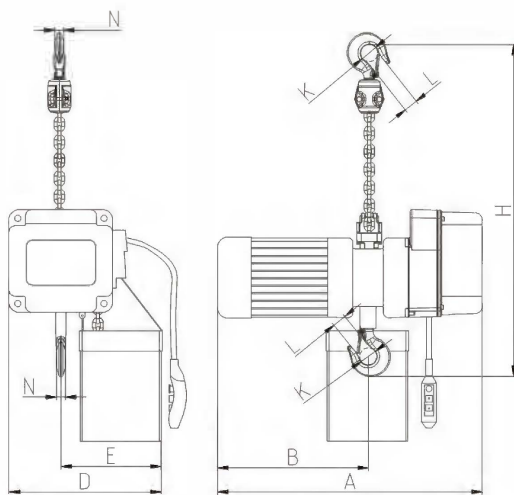
Model	Capacity (Ton)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Motor (Kw)	Traveling Speed (m/min)	Trolley Motor (kw)	Beam Flange (mm)	Load Chain Dimension (mm)	Load Chain Falls
MHT20LH-08	20	1Am/M4	30%	1.3	3.0x2	10 or 20	0.75x2	130-180	11.2	4

Model	Capacity	Unit(mm)												
	(Ton)	H	A	B	D	E	I	J	K	L	M	Q	P	T
MHT20LH-08	20	1080	630	315	1905	975	Φ70	Φ70	Φ110	80	80	600	960	231

HT series**Economic Electric Chain Hoist**

Model	Capacity (Ton)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Moto (Kw)	Load Chain Dimension (mm)	Load Chain Falls	Net weight (Kg) With 4m Load Chain
MHT0.5HT-01	0.5	1Am/M4	30%	7	0.5	6.3	1	30
MHT01HT-01	1	1Bm/M3	25%	4.6	1.1	7.1	1	35
MHT02HT-02	2	1Bm/M3	25%	2.3	1.1	7.1	2	48
MHT03HT-03	3	1Bm/M3	25%	1.6	1.1	7.1	3	61
MHT05HT-05	5	1Bm/M3	25%	0.9	1.1	7.1	5	87

Model	Capacity (Ton)	Unit (mm)						
		A	B	C	D	E	Z	G
MHT0.5HT-01	0.5	170	170	110	95	500	450	25
MHT01HT-01	1	216	216	135	170	680	530	31
MHT02HT-02	2	216	216	90	215	705	645	26
MHT03HT-03	3	216	216	125	270	900	800	42
MHT05HT-05	5	216	216	175	340	1000	895	48

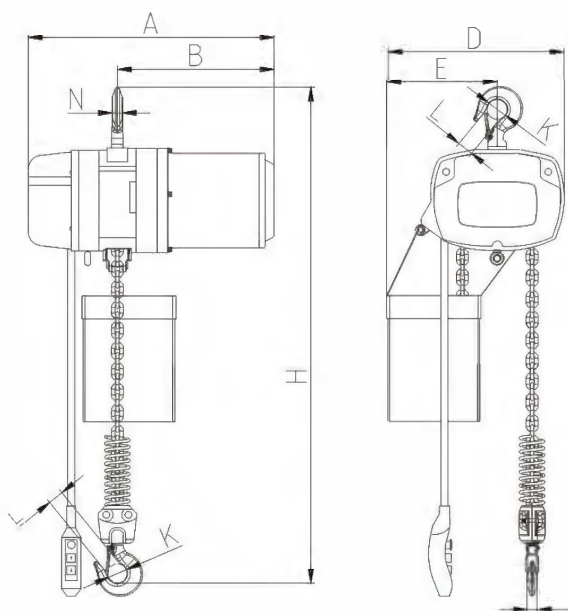
ST series**Stage Use Electric Chain Hoist****ST series hoist specification**

Model	Capacity (Ton)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Motor (Kw)	Load Chain Dimension (mm)	Load Chain Falls
MHT01ST-01	1	2m/M5	40%	7.2	1.5	8.0	1

Model	Capacity (Ton)	Unit (mm)								
		H	A	B	D	E	K	L	N	N
MHT01ST-01	1	400	595	320	300	230	Φ40	31	24	24

DX series**Compact Electric Chain Hoist**

- Compact design that provides safety and high power.
- Versatility and unrivaled performance are the keys to their great popularity.
- Various accessories accommodate all operational environments.
- Low-noise design satisfies today's demands.
- Low net weight with a short head.
- Electromagnet brakes provide outstanding braking.
- Overload and overwind preventions are integrated in one safety device.
- A superstrong load chain for tough jobs.
- Upper and lower hooks and a safety latch ensure safe, smooth operation.



Model	Capacity (Ton)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Motor (Kw)	Load Chain Dimension (mm)	Load Chain Falls
MHT0.25DX-01	0.25	2m/M5	40%	7.2	0.4	6.3	1

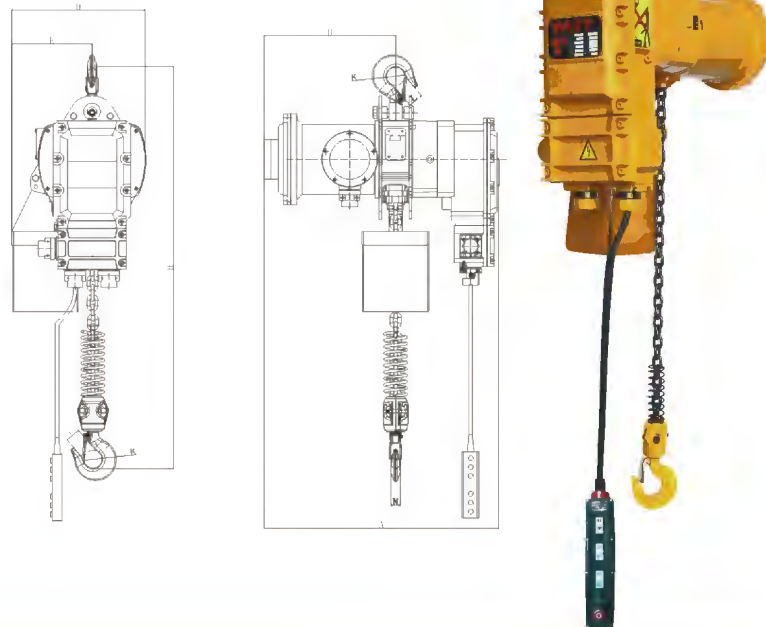
Model	Capacity (Ton)	Unit (mm)								
		H	A	B	D	E	K	L	N	Chain
MHT0.25ST-01	0.5	300	455	210	225	120	Φ31	18	13	Φ4.0

EP series

Explosion-Proof Hoist With Electric Trolley

Features

- Flame Proof type, mark "Ex d II B T4 Gb"
- Use in range IIB, temperature group "T4" (surface less than 135°C), zone 1 and zone 2.
- Environment Temperature: -20°C to 40°C
- Power Source: 200V - 440V, 3phase, 50/60Hz
- Control Voltage: 24V, 36V, 48V
- Insulation of Motor: Class F

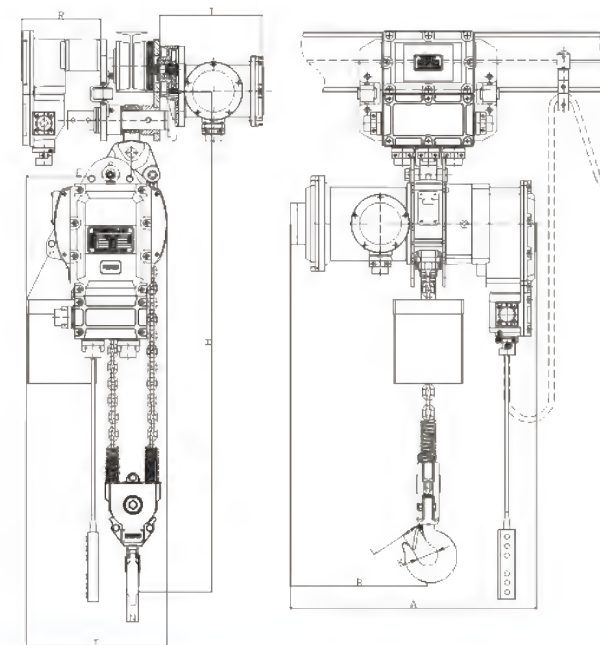


Model	Capacity (Ton)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Moto (Kw)	Traveling Speed (m/min)	Trolley Motor (kw)	Beam Flange (mm)	Load Chain Dimension (mm)	Load Chain Falls
MHT01EP-01	1	1Am/M4	30%	6.8	1.5	10 or 20	0.4	80-160	7.1	1
MHT02EP-01	2	1Am/M4	30%	6.8	3	10 or 20	0.4	82-178	10	1
MHT02EP-02	2	1Am/M4	30%	3.4	1.5	10 or 20	0.4	82-178	7.1	2
MHT03EP-01	3	1Am/M4	30%	5.4	3	10 or 20	0.4	100-178	11.2	1
MHT03EP-02	3	1Am/M4	30%	3.4	3	10 or 20	0.4	100-178	11.2	2
MHT05EP-02	5	1Am/M4	30%	2.7	3	10 or 20	0.75	100-178	11.2	2
MHT10EP-04	10	1Am/M4	30%	2.8	3.0×2	10 or 20	0.75x2	150-220	11.2	4
MHT15EP-06	15	1Bm/M3	25%	1.9	3.0×2	10 or 20	0.75x2	150-220	11.2	6
MHT20EP-08	20	1Bm/M3	25%	1.4	3.0×2	10 or 20	0.75x2	150-220	11.2	8
MHT25EP-10	25	1Bm/M3	25%	1.1	3.0×2	10 or 20	0.75x2	150-220	11.2	10
MHT30EP-12	30	1Bm/M3	25%	0.9	3.0×2	10 or 20	0.75x2	150-220	11.2	12
MHT35EP-16	35	1Bm/M3	25%	0.7	3.0×2	10 or 20	0.75x2	150-220	11.2	16

Model	Capacity													
	(Ton)	H	A	B	D	E	K	L	N	J	R	T	Q	Chain
MHT01EP-01	1	650	600	330	300	176	Φ40	31	24	Φ31	224	298	/	Φ7.1
MHT02EP-01	2	770	725	350	430	265	Φ49	35	30	Φ36	224	298	/	Φ7.1
MHT02EP-02	2	740	600	330	300	230	Φ49	35	30	Φ36	224	298	/	Φ7.1
MHT03EP-01	3	840	725	350	470	265	Φ59	42	35	Φ43	224	298	/	Φ11.2
MHT03EP-02	3	920	725	350	430	320	Φ59	42	35	Φ43	224	298	/	Φ10.0
MHT03EP-03	3	920	600	330	350	280	Φ59	42	35	Φ43	224	298	/	Φ11.2
MHT05EP-02	5	1015	725	350	430	325	Φ60	45	43	Φ54	224	298	/	Φ11.2
MHT7.5EP-03	7.5	1200	725	350	500	380	Φ90	70	50	Φ70	224	298	/	Φ11.2
MHT10EP-04	10	1200	725	350	890	445	Φ90	70	50	Φ54	224	298	430	Φ11.2
MHT15EP-06	15	1360	725	350	1030	/	Φ110	80	85	Φ70	224	298	520	Φ11.2
MHT20EP-08	20	1300	725	350	1220	/	Φ110	80	85	Φ70	224	298	520	Φ11.2
MHT25EP-10	25	1500	725	350	1450	/	Φ140	100	95	Φ75	224	298	680	Φ11.2
MHT30EP-12	30	1640	915	458	1380	/	Φ140	100	95	Φ80	/	/	400	Φ11.2
MHT35EP-16	35	1790	915	458	1600	/	Φ200	140	135	Φ100	/	/	440	Φ11.2

EP series

Explosion-Proof Hoist With Hook Suspension



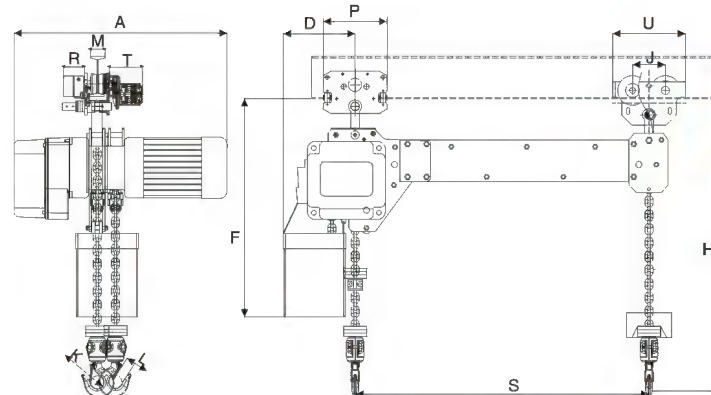
Model	Capacity (Ton)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Moto (Kw)	Load Chain Dimension (mm)	Load Chain Falls
MHT01EP-01	1	1Am/M4	30%	6.8	1.5	7.1	1
MHT02EP-01	2	1Am/M4	30%	6.8	3	10	1
MHT02EP-02	2	1Am/M4	30%	3.4	1.5	7.1	2
MHT03EP-01	3	1Am/M4	30%	5.4	3	11.2	1
MHT03EP-02	3	1Am/M4	30%	3.4	3	11.2	2
MHT05EP-02	5	1Am/M4	30%	2.7	3.0×2	11.2	2
MHT10EP-04	10	1Am/M4	30%	2.8	3.0×2	11.2	4
MHT15EP-06	15	1Bm/M3	25%	1.9	3.0×2	11.2	6
MHT20EP-08	20	1Bm/M3	25%	1.4	3.0×2	11.2	8
MHT25EP-10	25	1Bm/M3	25%	1.1	3.0×2	11.2	10
MHT30EP-12	30	1Bm/M3	25%	0.9	3.0×2	11.2	12
MHT35EP-16	35	1Bm/M3	25%	0.7	3.0×2	11.2	16

Model	Capacity												
	Unit(mm)												
	(Ton)	H	A	B	D	E	K	L	N	M	J	Q	Chain
MHT01EP-01	1	600	600	330	300	176	Φ40	31	24	/	/	/	Φ7.1
MHT02EP-01	2	800	725	350	430	265	Φ49	35	30	/	/	/	Φ10.0
MHT02EP-02	2	750	600	330	300	230	Φ49	35	30	/	/	/	Φ7.1
MHT03EP-01	3	845	675	325	430	265	Φ59	42	35	/	/	/	Φ11.2
MHT03EP-02	3	950	675	325	430	320	Φ59	42	35	/	/	/	Φ10.0
MHT05EP-02	5	1030	675	325	430	325	Φ60	45	43	/	/	/	Φ11.2
MHT10EP-04	10	1400	725	350	890	445	Φ90	70	50	/	/	/	Φ11.2
MHT15EP-06	15	1360	725	350	1030	/	Φ110	80	85	88	Φ70	520	Φ11.2
MHT20EP-08	20	1250	725	350	1220	/	Φ110	80	85	88	Φ70	/	Φ11.2
MHT25EP-10	25	1700	725	350	1315	/	Φ140	100	95	96	Φ80	/	Φ11.2
MHT30EP-12	30	1640	915	458	1380	/	Φ140	100	95	228	Φ90	/	Φ11.2
MHT35EP-16	35	1790	915	458	1600	/	Φ200	140	135	235	Φ100	440	Φ11.2

TW series

Twin Hook Electric Chain Hoist

Twin Hook electric chain hoist, which is equipped with a single motor and two hooks, is intended to lift the hooks horizontally, equally and safety. This product is the most suitable for lifting applications requiring two lifting points for a wide load or retaining a level lifting.



Model	Capacity (Ton)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Moto (Kw)	Traveling Speed (m/min)	Trolley Motor (kw)	Beam Flange (mm)	Load Chain Dimension (mm)
MHTTW050	250kg+250kg	2m/M5	40%	7.8	0.75	10 or 20	0.4	80-160	6.3
MHTTW100	500kg+500kg	2m/M5	40%	6.0	1.5	10 or 20	0.4	80-160	8.0
MHTTW200	1T + 1T	2m/M5	40%	5.6	1.5	10 or 20	0.4	82-178	8.0
MHTTW300	1.5T + 1.5T	1am/M4	30%	5.4	3	10 or 20	0.4	100-180	11.2
MHTTW500	2.5T + 2.5T	1am/M4	30%	2.7	3	10 or 20	0.75	110-180	11.2

Model	Unit(mm)														
	Capacity (Ton)	H	A	B	D	P	U	S	K	L	M	R	T	N	Chain
MHTTW050	250kg+250kg	450	660	320	200	206	111	3000	Φ32	25	80-160	142	231	17	Φ6.3*19
MHTTW100	500kg+500kg	550	660	350	200	206	111	3000	Φ40	31	80-160	142	231	17	Φ8.0*24
MHTTW200	1T + 1T	550	780	440	260	206	111	3000	Φ40	31	82-178	142	231	24	Φ8.0*24
MHTTW300	1.5T + 1.5T	650	870	310	300	265	140	3000	Φ59	42	100-180	142	231	35	Φ11.2*34
MHTTW500	2.5T + 2.5T	850	870	310	300	296	156	3000	Φ60	45	110-180	142	231	43	Φ11.2*34

EF series

Compact Electric Chain Hoist

Capacities

Single phase hoist: 200 to 500kgs, three phase hoist: 250 to 500kgs.

Interchangeable Mechanical Parts

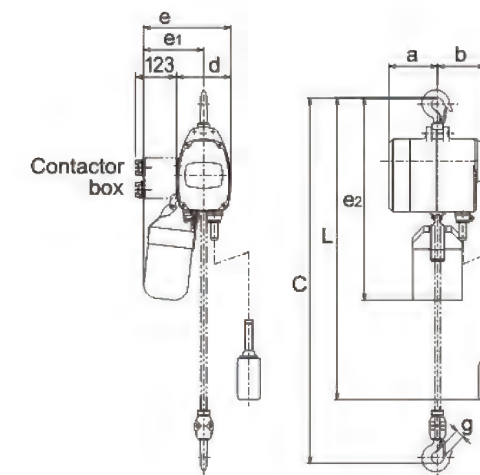
Mechanical parts are almost interchangeable between those of 3 phase and single phase hoists for easy maintenance.

Standard Voltages and Frequencies

3 phase: 380v-50Hz. 1 phase: 220v-50Hz.

Pull-Rotor Type Motor Brake

Exclusive Pull-rotor type motor braking system provides high braking capability for most sure way to stop the load at the desired positions.



Pull-Rotor Type Motor

Totally enclosed exclusive pull rotor type motor permits ideal operation of hoists. (Insulation Class B)

Wear-Resistant Friction Clutch

EF friction clutch, which prevents from over-winding, allows the motor to run free at the highest and lowest hook positions. The Friction Clutch is factory preset and needs no adjustment under normal operations.

Aluminum Hoist Body

Aluminum die-casting hoist body provides lighter weight, compactness, high mobility and rapid heat dissipation. Totally enclosed weather-resistance construction allows ideal use in humid atmosphere.

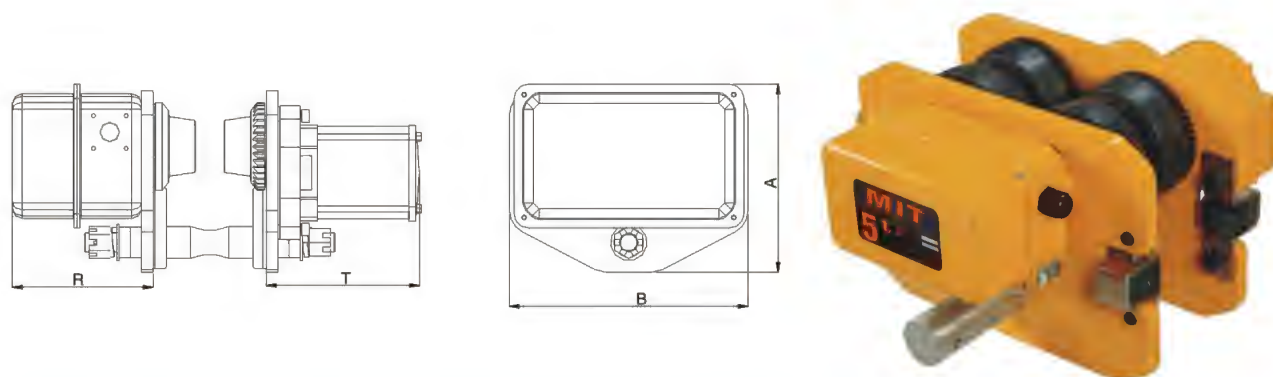
Single Phase

Model	Capacity (KG)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Moto (Kw)	Load Chain Dimension (mm)	Load Chain Falls
MHT025EF-01S	250	1am/M4	40%	3.8	0.45	5.0	1
MHT050EF-01S	500	1am/M4	40%	1.9	0.45	5.0	2
Model	c	a	b	d	e	g	
MHT025EF-01S	510	241	148	174	282	24	
MHT050EF-01S	550	241	148	174	282	24	

Three Phase

Model	Capacity (KG)	Classification FEM/ISO	Duty Rating (ED)	Lifting Speed (m/min)	Hoist Moto (Kw)	Load Chain Dimension (mm)	Load Chain Falls
MHT025EF-01	250	2m/M5	40%	8.0	0.45	5.0	1
MHT050EF-01	500	2m/M5	40%	4.0	0.45	5.0	2
Model	c	a	b	d	e	g	
MHT025EF-01	510	241	148	174	269	24	
MHT050EF-01	550	241	148	174	269	24	

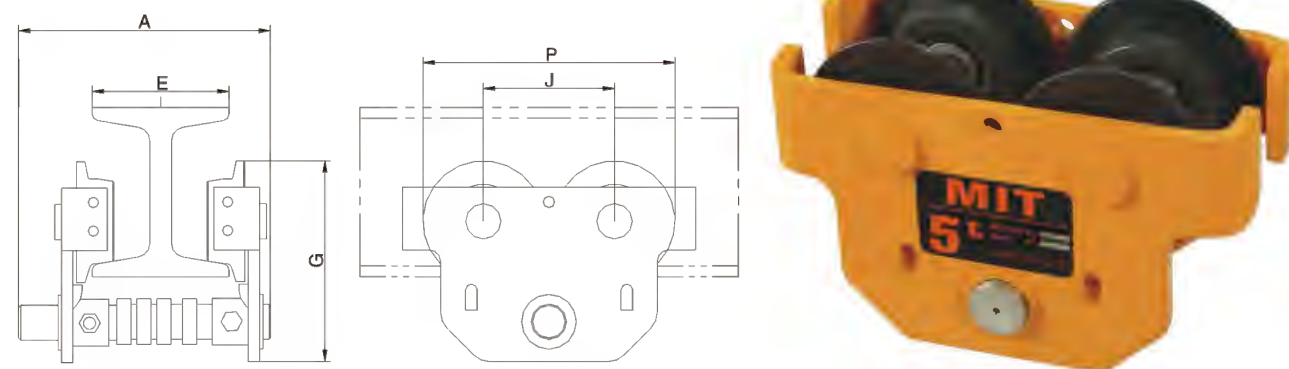
Electric Trolley



Technical Specification

Type	Capacity (Ton)	Unit(mm)				Speed 50Hz (m/min)	Motor (Kw)	Minimum radius of turn	I-Beam (mm)
		A	B	R	T				
WPC-0.5	0.5	196	248	142	159	12.2	0.12	0.8	52-153
WPC-01	1	315	212	142	231	11 or 21	0.4	0.8	52-153
WPC-02	2	325	220	142	231	11 or 21	0.4	0.8	82-178
WPC-03	3	340	250	142	231	11 or 21	0.75	1.0	100-178
WPC-05	5	400	291	142	231	11 or 21	0.75	1.8	100-178
WPC-7.5	7.5	400	291	142	231	11 or 21	0.75	1.8	100-178
WPC-10	10	500	370	142	231	11 or 21	0.75	2.5	150-220

Manual Trolley

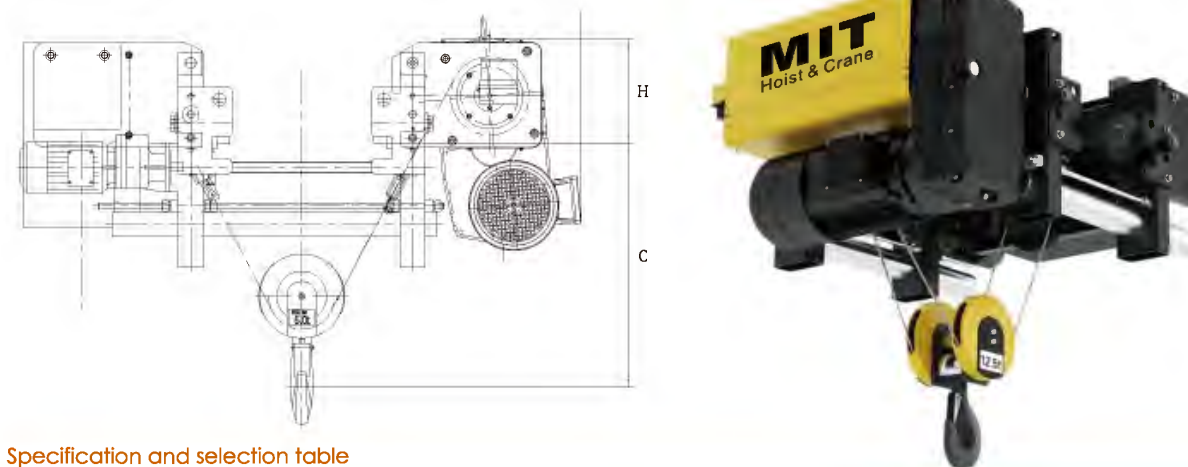


Technical Specification

Type	Capacity (Ton)	Unit (mm)					Minimum radius of turn
		A	G	J	E	P	
MPC-0.5	0.5	200	130	91	50-102	163	2.3
MPC-01	1	200	170	115	50-102	221	1.3
MPC-02	2	218	205	138	68-130	265	1.3
MPC-03	3	275	236	157	82-153	305	1.5
MPC-05	5	275	280	178	82-153	332	1.7

EWH Seires

Single Girder Low-head room Electric Wire rope Hoist

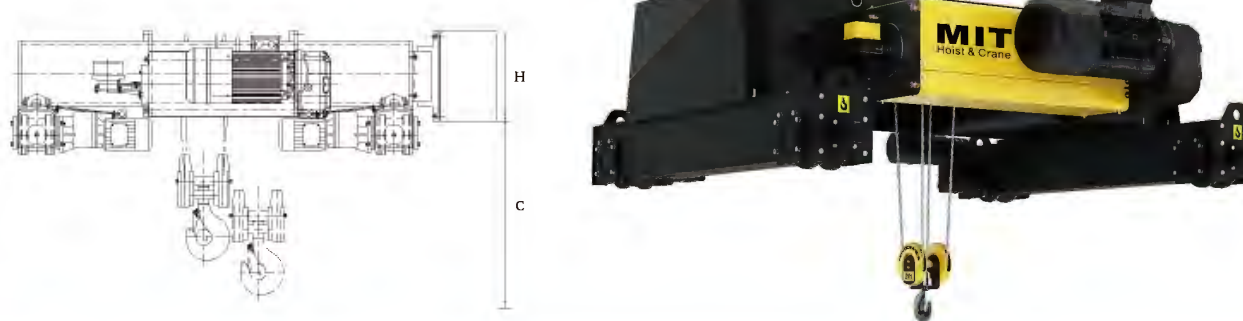


Specification and selection table

Load capacity(Kg)	FEM	Height(m)	Speed(m/min)	Trolley speed(m/min)	H Size (mm)	C Size (mm)
1600	3m	6/9/12/18	0.8/5.0	5~20	245	385
2000	2m	6/9/12/18	0.8/5.0	5~20	245	385
2500	3m	6/9/12/18	0.8/5.0	5~20	245	385
3200	2m	6/9/12/18	0.8/5.0	5~20	245	385
5000	2m	6/9/12/18	0.8/5.0	5~20	266	495
6300	1Am	6/9/12/18	0.8/5.0	5~20	266	495
8000	3m	6/9/12/18	0.8/5.0	5~20	296	792
10000	2m	6/9/12/18	0.8/5.0	5~20	296	792
12500	1Am	6/9/12/18	0.8/5.0	5~20	296	792

EWH Seires

Double Girder Electric Wire rope Hoist



Load capacity(Kg)	FEM	ISO	Height(m)	Speed(m/min)	Trolley speed(m/min)	H Size(mm)	C Size(mm)
3200	2m	M5	6/9/12/18	0.8/5.0	5~20	230	350
5000	2m	M5	6/9/12/18	0.8/5.0	5~20	230	350
8000	3m	M6	6/9/12/18	0.8/5.0	5~20	540	360
10000	2m	M5	6/9/12/18	0.8/5.0	5~20	540	360
12500	1Am	M4	6/9/12/18	0.8/5.0	5~20	540	420
16000	2m	M5	6/9/12/18	0.66/4.0	5~20	640	480
20000	1Am	M4	6/9/12/18	0.66/4.0	5~20	640	480
25000	2m	M5	6/9/12/18	0.8/3.3	5~20	790	620
32000	2m	M5	6/9/12/18	0.8/3.3	5~20	790	620
40000	1Am	M4	6/9/12/18	0~4.9	5~20	895	980
50000	1Am	M4	6/9/12/18	0~4.0	5~20	895	980

VH Type

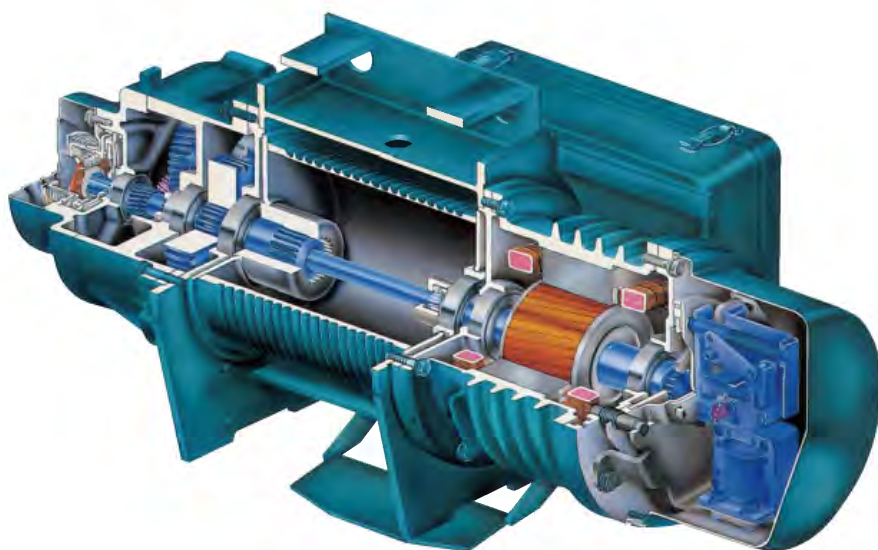
Electric Wire rope Hoist

1. Highly Reliable Braking System With Automatic adjusting device

- The brake is equipped with an automatic adjusting device to apply brake torque in proportion to the amount of lining abrasion.
- The double braking system consists of the main brake and auxiliary brake unit

2 Hoisting Motor with a Thermal Protector

- The hoisting motor automatically stops when sensing the heat of the motor coil in order to protect the motor from burning damage caused by heat due to overwork.



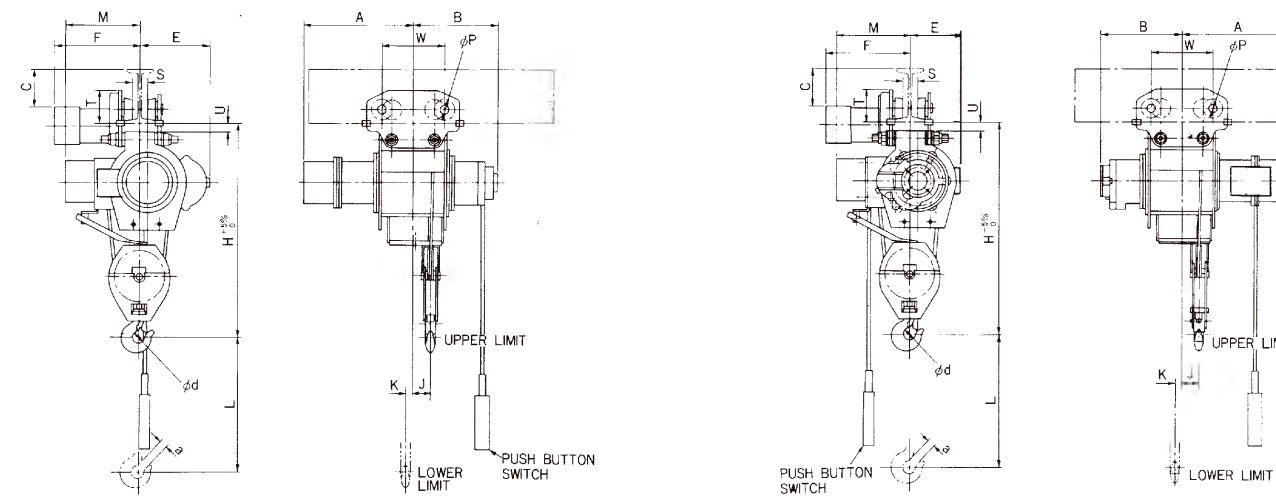
3 Efficient Maintenance is Possible

- The starting time counter in the control box facilitates checking of the lifetime of consumable parts.
- The gear inspection window in the control box allows visual checks of the condition of the gear teeth surface and lubrication to some degree.
- The punch mark on the hook indicates the reference point for the hook inspection of deformation.
- The inspection of the rope end is easy."

VH Type

Electric Wire rope Hoist

Standard-Headroom Type with Motorized Trolley



Technical Specification

Type	Capacity (Ton)	Lifting Height (m)	Lifting Speed (m/min)	Traveling Speed (m/min)	Lifting Motor		Travel Motor		Power Supply			I-Beam (mm)
					Power (kw)	Rotation Speed (t/min)	Power (kw)	Rotation Speed (t/min)	Phase	Voltage (V)	Frequency (Hz/s)	
VH-01	1t	6/9/12	9	21	1.8	1440	0.3	1440	3	220/440	50/60	120-150
VH-02	2t	6/9/12	8.4	21	2.9	1440	0.3	1440	3	220/440	50/60	130-160
VH-03	3t	6/9/12	7.5	21	4	1440	0.3	1440	3	220/440	50/60	140-180
VH-05	5t	6/9/12	6.7	21	6	1440	0.45	1440	3	220/440	50/60	150-190

Model		VH0106		VH0112		VH0206		VH0212		VH0306		VH0312		VH0506		VH0512									
Capacity(t)		1				2				3				5											
Approx. dimensions (mm)	L	6000		12000		6000		12000		6000		12000		6000		12000									
	H	790				985				1115				1190											
	A	545	715			595	630			645	690			845	955										
	B	350	385			435	615			475	660			690	800										
	M	345				415				465				455											
	W	200/290				200/290				230/310				250/330											
	K	20	90			30	110			35	120			/	/										
	J	85	115			75	100			80	110			/	/										
	Φd	49				59				71				90											
	Φp	96				96				128				156/140(DRIVE SIDE)											
	α	23				36				42				DRIVEN SIDE)											
														58											
Min. curve radius(m)		1.5				1.8				2.0				3.0											
Dimensions with respect to I-Beam		E	F	S	T	U	C	E	F	S	T	U	U	E	F	S	T	U	C						
200x100x7		255	374	42	148	47 (42)	135	220	378	42	148	42	42												
250x125x7.5		255	387	67	151	44 (39)	185	220	391	67	151	39	39	245	417	52	177	38	180						
300x150x11.5		255	400	92	160	35 (30)	225	220	404	92	160	30	30	245	430	77	187	28	220	305	450	72	225	30	21
450x175x11														245	443	102	185	30	370	305	463	102	223	32	36
Approx. weight(kg)		175		195		280		310		385		415		685		745									