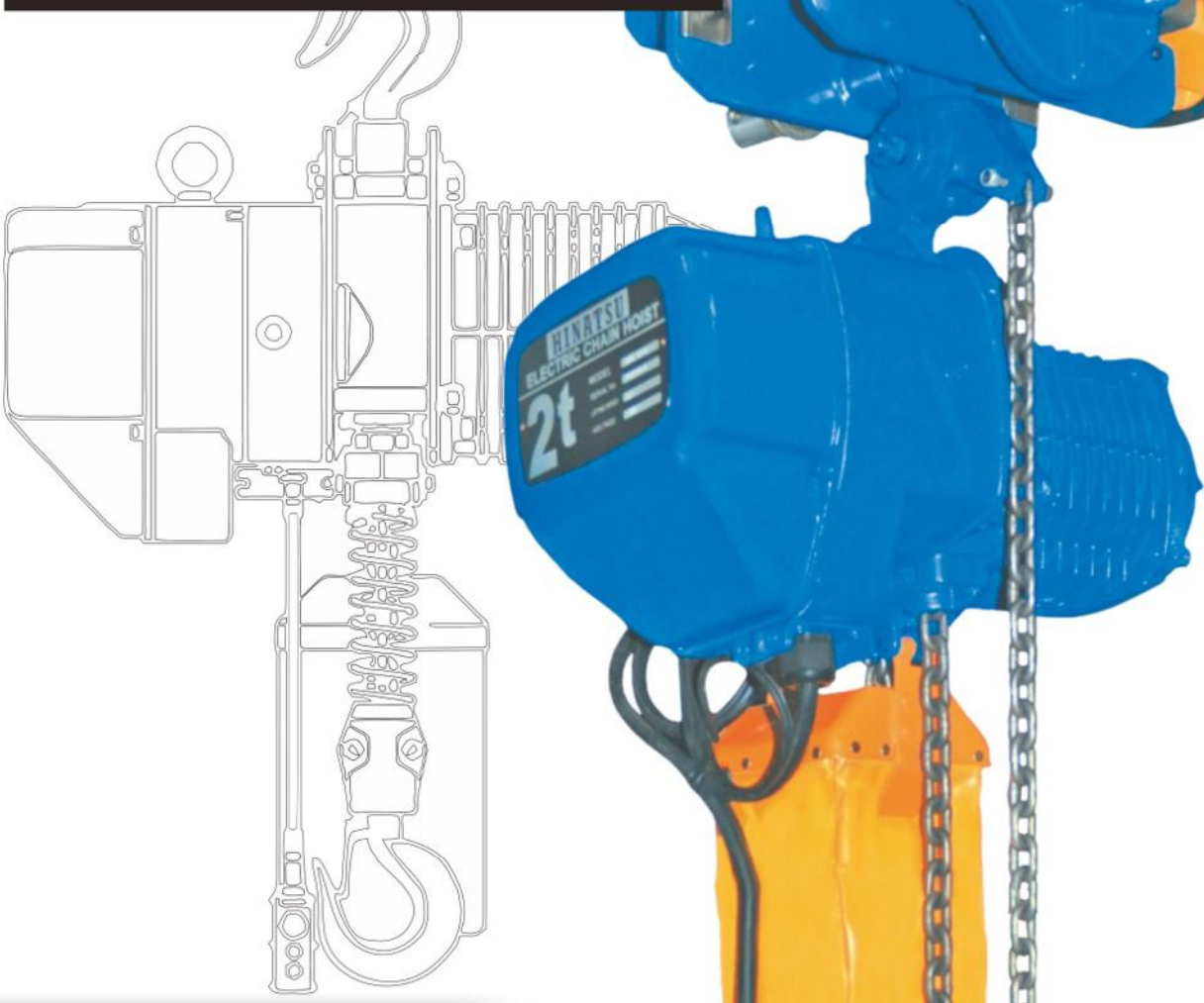
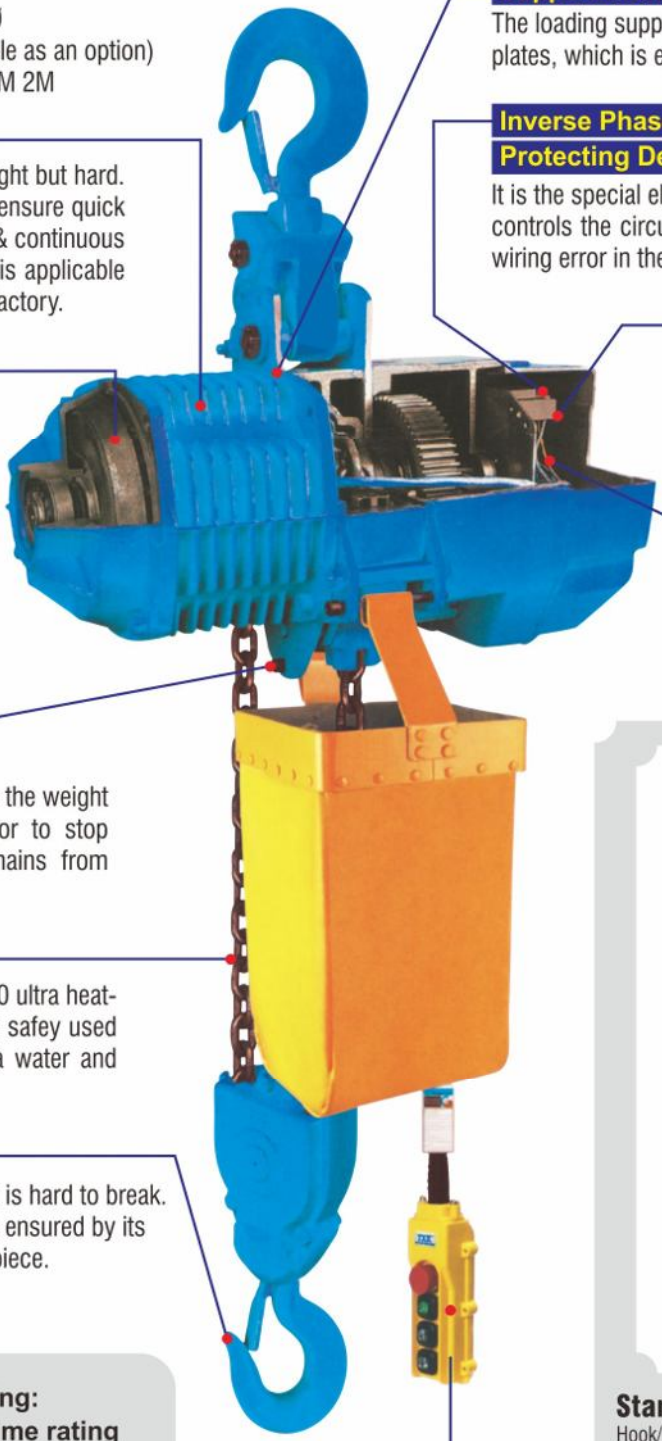
HINATSU

Electric Chain Hoist



CONSTRUCTION & FEATURES

Capacity Range : 160Kg to 20 T
Power Supply : 220/380V-50/60Hz-3Ø
(Other voltages available as an option)
Classification : ASME H4, ISO-M5, FEM 2M



Shell

It is made of lght aluminum alloy shell, light but hard. The cooding fin is specially designed to ensure quick heat dissipation with the rate up to 40% & continuous service. The integral enclosed structure is applicable to places like chemical and electroplate factory.

Side Magnetic Braking Device

The magnetic core generator is the latest design which is featured for generating magnetic force. It allows instant brake as soon as the electric power is cut off. Thus the braking safety while loading is guaranteed. Brake lining (asbestos-free) with a life of more than 1 million actuations.

Limit Switch

The limit switch device is installed where the weight is lifted on and off to make the motor to stop automatically so as to prohibit the chains from exceeding for safety.

Chain

The chain shall adopt the imported FEC80 ultra heat-treatable aluminum alloy chain. It can be safey used in poor environments such as rain, sea water and chemicals.

Hook

It is hot forging with perfect strength that is hard to break. The operation safety of the lower hook is ensured by its 360 degrees rotation and safety tongue piece.

Support Frame

The loading support frame consists of two steel plates, which is extremely sturdy.

Inverse Phase Sequence Protecting Device

It is the special electrical installation which controls the circuit not to work in case of wiring error in the power supply.

Transformer

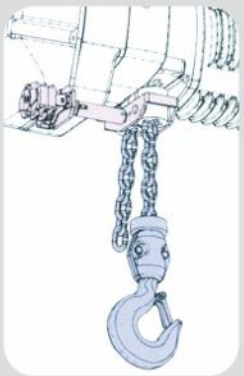
24V/36V transformer device This device is used to prohibit unexpected accidents caused by electric leakage & guarantees the safe use while raining.

Electromagnetic Contactor

Electromagnetic contactor can be used safely under high frequency.

Push Button

Waterproof push button is applied. it is light & durable.



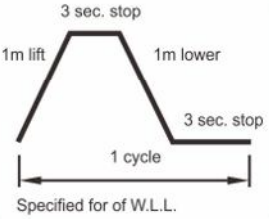
Upper / Lower Limit Switch

The limit switch prevents over-winding which stops the hoist in case of over-lifting or over-lowering.

Duty Rating:

■ Short time rating

This rating indicates how long the hoist can be operated continuously on the below cycle, assuming continued operation for a short time span.



Single speed: 60 min

Standard Type/Advanced Type

Hook/Lug Suspension Type Electric Chain Hoist

- The lug frame use S50C medium carbon steel plate (2t 1 fall type and over capacity) or FCD45 nodular cast-iron(3 Ton 3 Falls Type and lower capacity).
- Pull-Rotor motor brakes provides accurate and reliable stopping, even in the event of a total power loss.
- Long-service, trouble-free Mechanical brake. Together with motor brake, provides dual braking system to assure operating safety.
- Upper / Lower limit switch is standard. To prevent overwinding.
- Processed canvas chain containers, which have outstanding durability.
  (Steel containers are requires if lifting height exceeds limit of canvas chain container).
- 48 Volt, low voltage control, 24 volt option.

TECHNICAL PARAMETERS

Type	Capacity (Ton)	Lifting Speed (m/min)	Lifting Motor					Chain
			Power (Kw)	Rotation Speed	Phases (r/min)	Voltage (V)	Frequency (Hz/s)	
SSDHL-01-01	1	6.8	1.5	1440	3	380	50	Φ7.1 X 1
SSDHL-02-02	2	3.4	1.5	1440	3	380	50	Φ7.1 X 2
SSDHL-03-03	3	2.3	1.5	1440	3	380	50	Φ7.1 X 3
SSDHL-05-02	5	2.8	3.0	1440	3	380	50	Φ11.2 X 2
SSDHL-7.5-03	7.5	1.8	3.0	1440	3	380	50	Φ11.2 X 3
SSDHL-10-04	10	2.8	3.0 x 2	1440	3	380	50	Φ11.2 X 4
SSDHL-15-06	15	1.9	3.0 x 2	1440	3	380	50	Φ11.2 X 6
SSDHL-20-08	20	1.4	3.0 x 2	1440	3	380	50	Φ11.2 X 8

FIG. 1

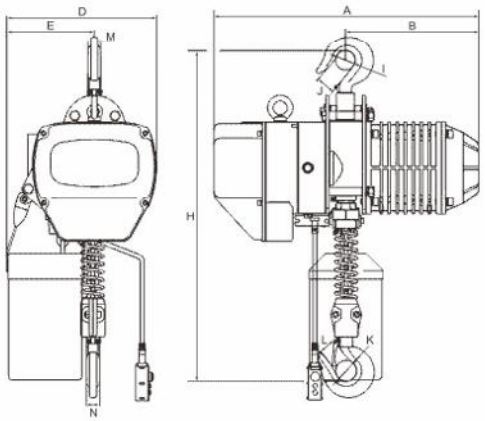


FIG. 2

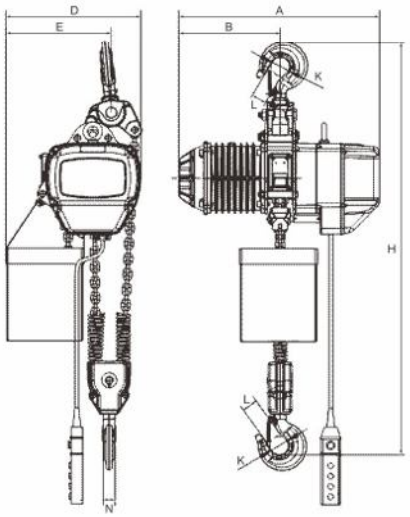


FIG. 3

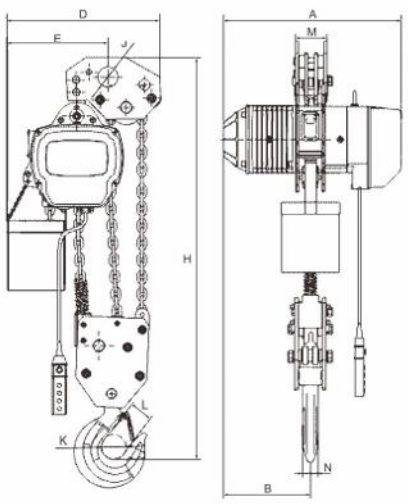


FIG. 4

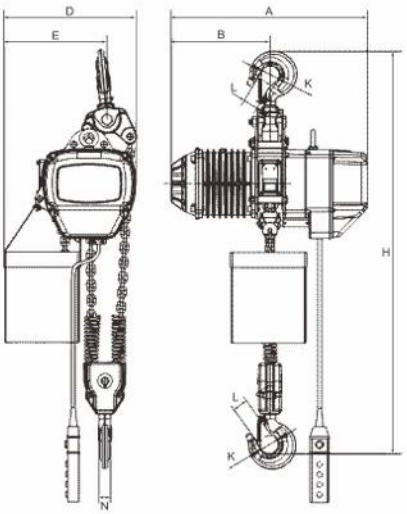


FIG. 5

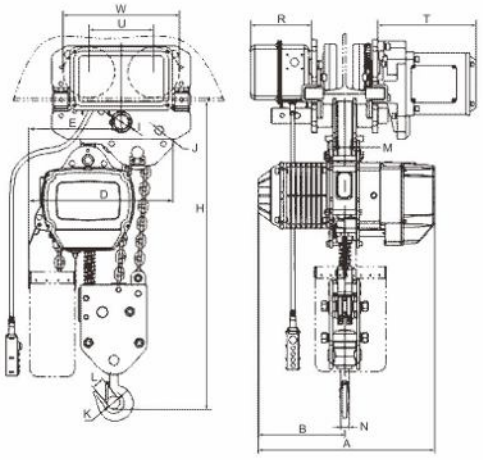
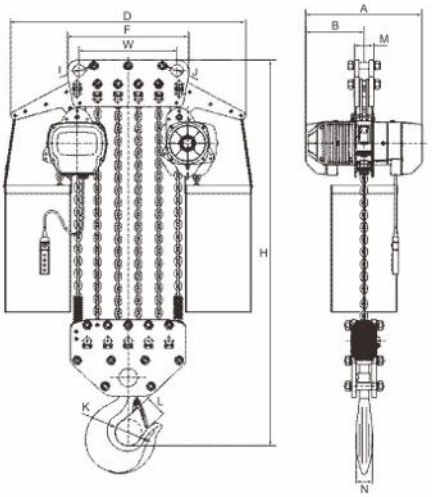


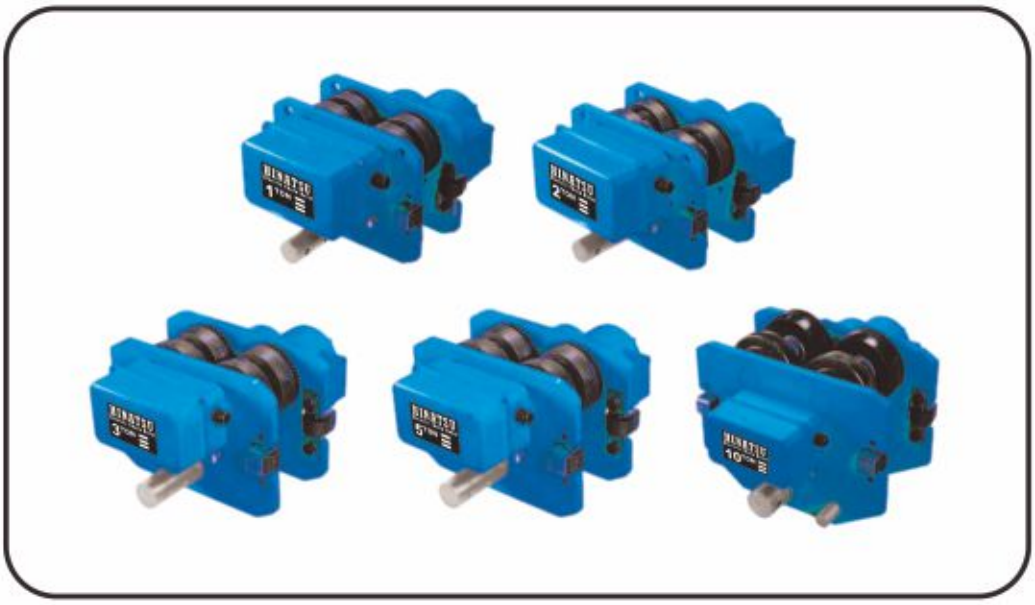
FIG. 6



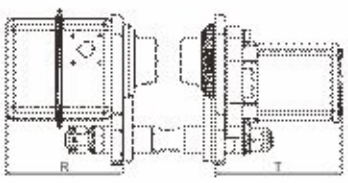
SIZE SPECIFICATIONS

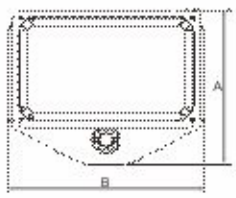
Type	Capacity (Ton)	Unit (mm)															Ket
		H	A	B	D	E	I	J	K	L	M	N	W	U	R	T	
SSDHL-01-01	1	600	520	260	300	176	Φ40	31	Φ40	31		24					Fig 1
SSDHL-02-02	2	750	520	260	300	230			Φ49	35		30					Fig 2
SSDHL-03-03	3	920	520	260	350	280	Φ43	Φ43	Φ59	42		35					Fig 3
SSDHL-05-02	5	1030	620	310	430	325			Φ60	45		43					Fig 4
SSDHL-7.5-03	7.5	1200	620	310	500	320	Φ70	Φ37	Φ90	70	85	50	366	191	142	231	Fig 5
SSDHL-10-04	10	1400	630	315		890	Φ90	70	Φ90	70	107	50					Fig 6
SSDHL-15-06	15	1360	630	315	1030	590	Φ70	Φ70	Φ95	70	88	60	520				Fig 6
SSDHL-20-08	20	1700	630	315	1220				Φ110	80		85					Fig 6

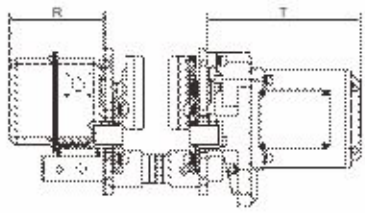
MT MONORAIL TYPE MOTORIZED TROLLEY

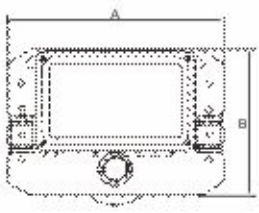


- Pull-Rotor motor brakes provides accurate and reliable stopping, even in the event of a total power loss.
- Specially designed side roller system.
- Simple gear box construction.
- Minimum curve radius.
- Trolley wheels can be used on "I" beams and "H" beams and trolley can adjustable for varying beam size.
- Push button switches come in a standard 4-button type (UP/Down/ East/West) for combined hoist.









SPECIFICATIONS & DIMENSIONS (MM)

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

Some of the application

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