

PROFESSIONAL • PROMPT • SERVICING



*Safe,
Efficient,
and Durable*



Disclaimer:
All product, specifications, and data are subject to change without
notice to improve reliability, function, design, or otherwise

FITOP - 20160801

ELECTRIC CHAIN HOIST D-series

Aluminum-alloy shell

- The machine adopts high strength aluminum alloy shell which makes it beautiful in shape, compact body and light weighted
- The Aluminum alloy greatly improves its capability of corrosion resistance and heat dissipation

An integrally-formed machine box

- Superior rigidity makes it dust-proof and water-proof
- IP55, can be operated under severe environments always
- A molding of the shell is simpler in structure and compact

High-strength load chain

- Imported Japanese FEC 80, ultra-treated alloy steel chain
- It greatly enhances the performance of fatigue-resistance and wear-resistance
- Scratch resistance and all carburized makes it hard in surface, solid in structure

High safety and reliability

- The three-phase hoist is equipped with limit-protection device which avoids over-loading and harmful consequences
- Hook tab can prevent the accidents from slip
- Its three-phase induction motor is equipped with thermal-protection device, IP65. When the motor temperature is high because of frequent operation, the device will automatically cut the motor circuit in order to protect it from burning out
- Friction clutch protects the motor. The motor idles if the hoist carries over-weighted materials



Strong braking force

- DC disc brake with two flat-faced brake discs with actuation test of more than one million times (patent pending)
- The machine is equipped with patented high- and low-limit protection. When the hook approaches extremely to the high or low limit and hit the contactor, the device can automatically cut off power supply and thus stops the hook immediately
- The hoist is designed to adopt second-gear transmission, high-speed level for helical gear transmission, which made it stable operation and low noise, 65dB
- Taiwanese-brand magnetic contractor
- Body protection: IP55
Insulation: F
Intermittent duty rating: 40% ED (60% ED opt.)
Ambient temperature: 50°C

Emergency stop prevents danger

- Pendant: IP65
- Emergency switch can cut off the motor circuit immediately
- Control voltage: 48V, more protective
- Hook: materials are 40 Chromium, Manganese, Titanium (CrMnTi), have been sandblasted or grinded
- Taiwanese-brand pendant and fortified rectifier to control its electrical system

Highly advanced plug

- Greatly enhances the appearance of the product and the level of water-resistance
- Reduces the possibility of electricity leakage
- VFD (variable frequency drive / inverter) for the hoist and or electric trolley enables smoother starting, stopping, and moderates the speed as required (optional)

Product Features

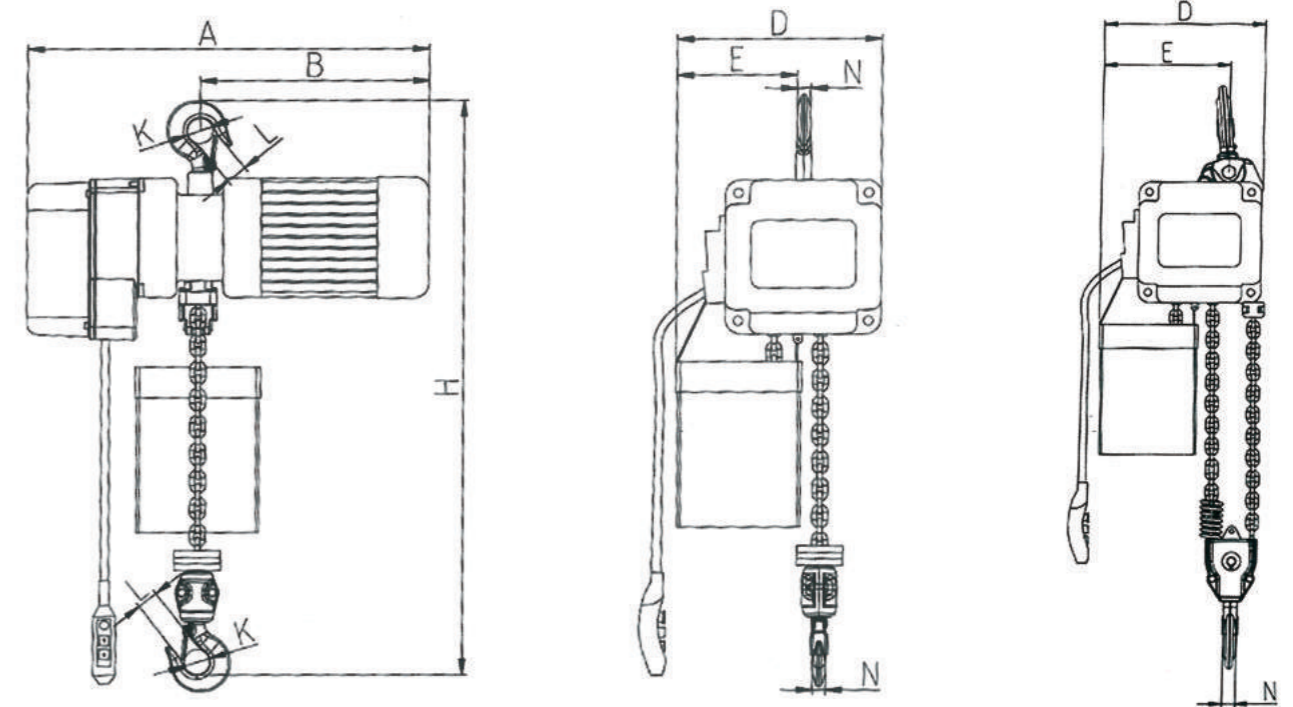


DTS

Top hook + Single chain (illus.)

Single speed

- Single- and double-speed available or variable speed optional
- Standard height of lift is three metres
- Optional height of lift is available on request
- Extending the load chain with additional links is prohibited
- Essential spare parts are available



– Specifications

Type	DTS0E1	DTS011	DTS022	DTS031	DTS052
Standard Lifting Height (M.)	3				
Lifting Speed (M./min.)	7.2	5.8	2.5	6.0	3.0
Power (Kw)	0.9	1.1	1.1	3.0	3.0
Voltage (V)	220—440				
Frequency (Hz)	50				
Falls	1	1	2	1	2
Hoist Classification	M5	M5	M5	M4	M4
Chain Specification	φ 6.3×19	φ 8×24	φ 8×24	φ 11.2×34	φ 11.2×34
Test Load (T)	0.625	1.25	2.5	3.75	6.25

– Dimensions and Weights

	Capacity (Ton)	Unit (mm)								Net Weight	Gross Weight
		H	A	B	D	E	K	L	N	Unit (KG)	Unit (KG)
DTS0E1	0.5	510	595	320	290	240	φ 40	31	24	42	48
DTS011	1	520	595	320	290	240	φ 40	31	24	47	53
DTS022	2	590	595	320	300	245	φ 49	35	30	58	64
DTS031	3	630	785	395	465	295	φ 59	42	35	107	115
DTS052	5	860	785	395	465	360	φ 60	45	43	126	138

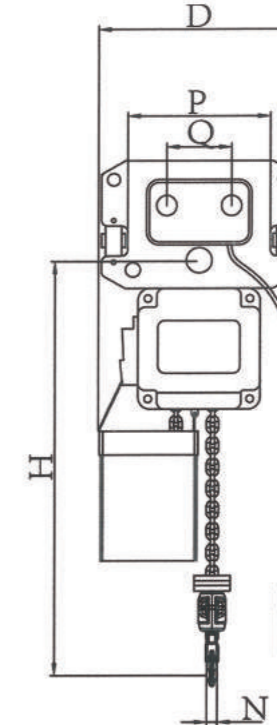
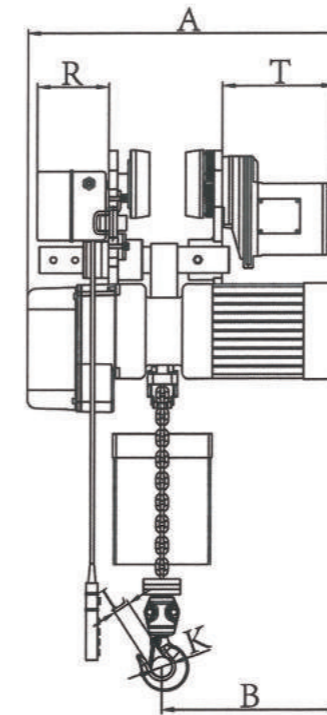


DTE+1ET

Connection board + Electric trolley (illus.)

Single speed

- Single- and double-speed available or variable speed optional
- Standard height of lift is three metres
- Optional height of lift is available on request
- Extending the load chain with additional links is prohibited
- Essential spare parts are available



– Specifications

Type	DTE0E1	DTE011	DTE022	DTE031	DTE052
Standard Lifting Height (M.)	3				
Lifting Speed (M./min.)	7.2	5.8	2.5	6.0	3.0
Power (Kw)	0.9	1.1	1.1	3.0	3.0
Voltage (V)	220—440				
Frequency (Hz)	50				
Falls	1	1	2	1	2
Hoist Classification	M5	M5	M5	M4	M4
Chain Specification	φ 6.3×19	φ 8×24	φ 8×24	φ 11.2×34	φ 11.2×34
Test Load (T)	0.625	1.25	2.5	3.75	6.25

– Dimensions and Weights

	Capacity (Ton)	Unit (mm)											Net	Gross
		H	A	B	D	K	L	N	R	T	P	Q	Weight	Weight
													Unit (KG)	
DTE0E1	0.5	390	595	320	300	φ 4	31	24	142	231	206	111	42	48
DTE011	1	400	595	320	300	φ 4	31	24	142	231	206	111	47	53
DTE022	2	580	595	320	300	φ 4	35	30	142	231	237	127	58	64
DTE031	3	620	785	395	520	φ 5	42	35	142	231	265	140	107	115
DTE052	5	860	785	395	580	φ 6	45	43	142	231	296	156	126	138

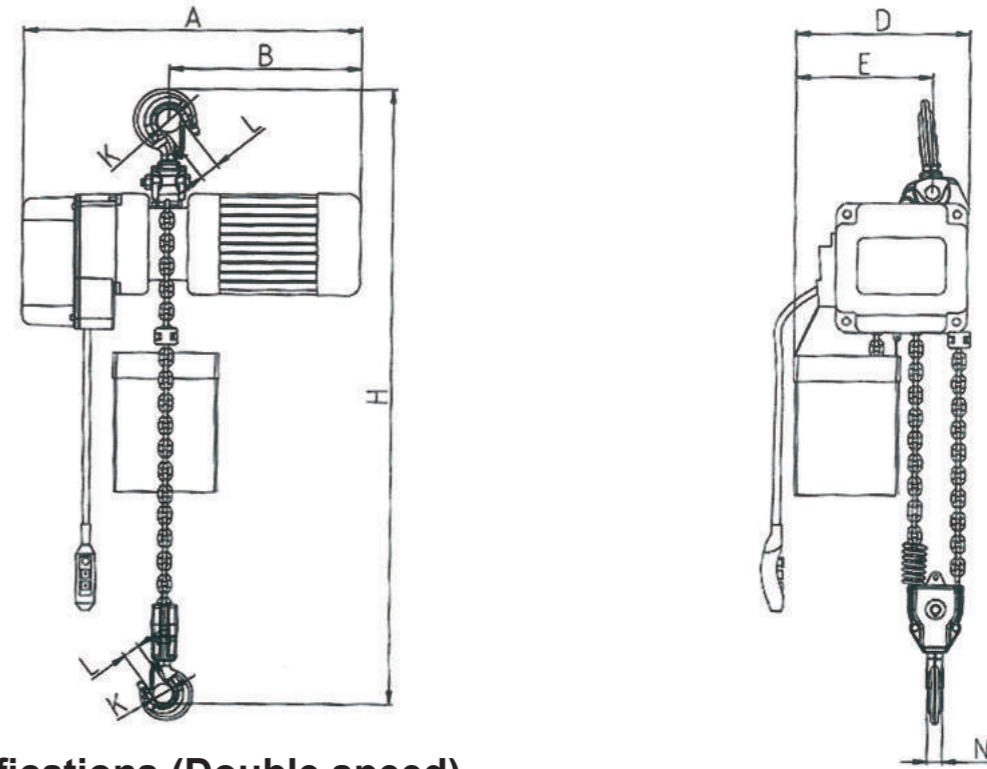


DTS+2ET

Top hook + Manual trolley (illus.)

Double speed

- Single- and double-speed available or variable speed optional
- Standard height of lift is three metres
- Optional height of lift is available on request
- Extending the load chain with additional links is prohibited
- Essential spare parts are available



– Specifications (Double speed)

Type	DTS0E13	DTS0113	DTS0223	DTS0313	DTS0523
Standard Lifting Height (M.)	3				
Lifting Speed (M./min.)	7.2/2.5	5.8/1.7	2.5/0.85	6.0/2.0	3.0/1.0
Power (Kw)	0.9/0.3	1.1/0.37	1.1/0.37	3.0/1.0	3.0/1.0
Voltage (V)	220–440				
Frequency (Hz)	50				
Falls	1	1	2	1	2
Hoist Classification	M5	M5	M5	M4	M4
Chain Specification	φ 6.3×19	φ 8×24	φ 8×24	φ 11.2×34	φ 11.2×34
Test Load (T)	0.625	1.25	2.5	3.75	6.25

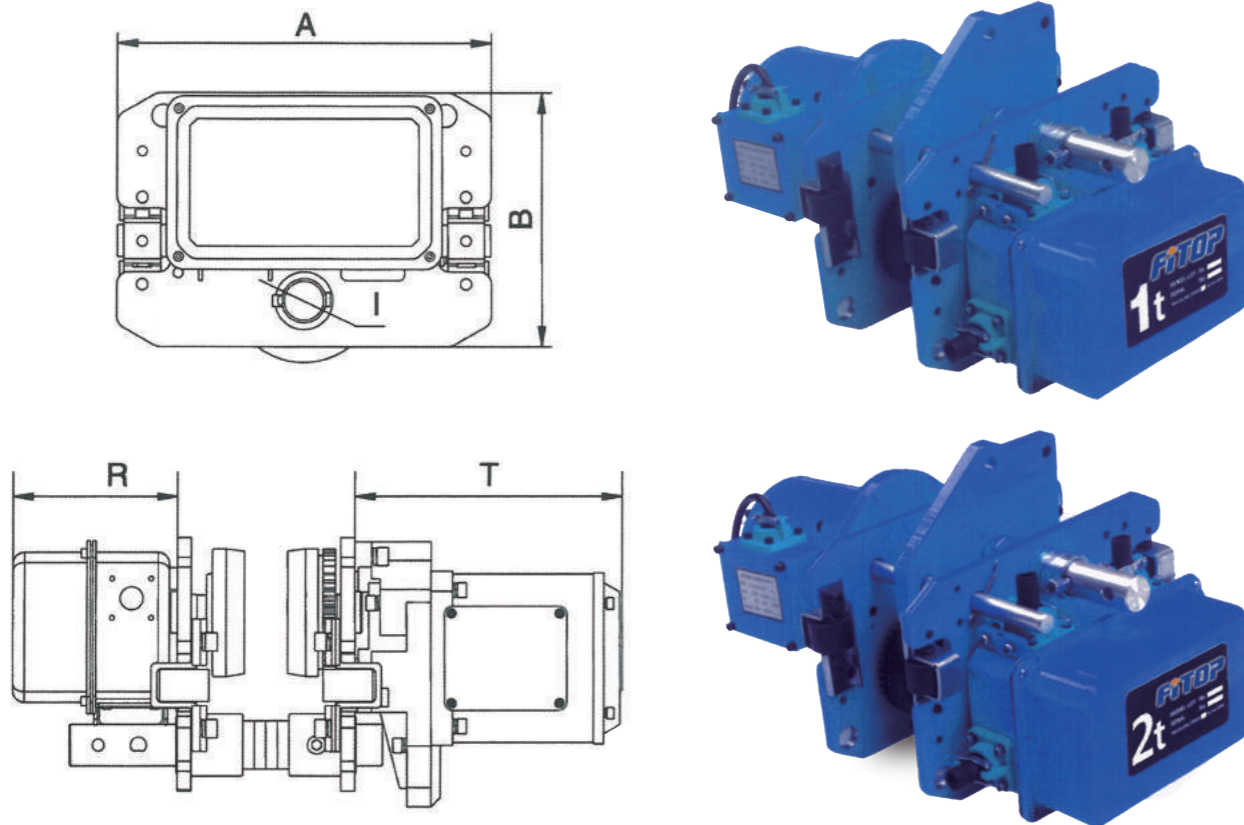
– Dimensions and Weights

	Capacity (Ton)	Unit (mm)								Net	Gross
		H	A	B	D	E	K	L	N	Unit (KG)	Weight
DTS0E13	0.5	510	595	320	290	240	φ 40	31	24	42	48
DTS0113	1	520	595	320	290	240	φ 40	31	24	47	53
DTS0223	2	590	595	320	300	245	φ 49	35	30	58	64
DTS0313	3	630	785	395	465	295	φ 59	42	35	107	115
DTS0523	5	860	785	395	465	360	φ 60	45	43	126	138

1ET Electric Trolley

Product features :

- Mono-rail electric trolley is driven by an electric motor moving on the flanged beam. It can be installed on single-tracked or cantilever-cranes and combined with electric hoist of other lifting tools to be electric trolley. Lifting speeds (given) are based on 50Hz power supply. Variable speeds for electric trolley is optional. It is widely used in factories, mining industry, warehouses, etc.



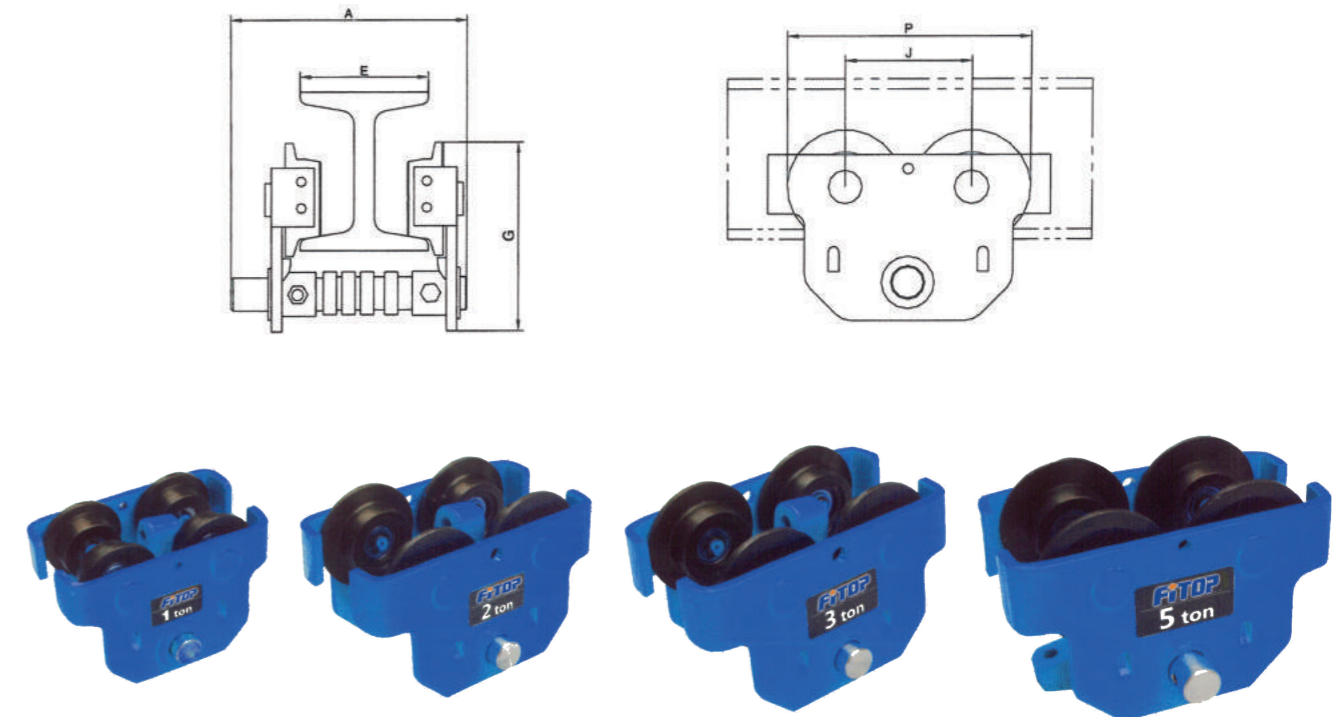
– Specifications and Dimensions

	Capacity (Ton)	Unit (mm)					Net Weight Unit (KG)	Gross Weight	Trolley Speed M./min.	Motor (Kw)	Minimum Turning Radius (M)	I-Beam (mm)
		A	B	R	T	I						
1ET01	1	315	212	142	231	Φ 3	34	39	11 (21 opt.)	0.4	0.8	52-153
1ET02	2	325	220	142	231	Φ 3	42	47	11 (21 opt.)	0.4	0.8	82-178
1ET03	3	340	250	142	231	Φ 4	54	60	11 (21 opt.)	0.75	1.0	100-178
1ET05	5	400	291	142	231	Φ 5	74	82	11 (21 opt.)	0.75	1.8	100-178

2ET Manual Trolley

Product features :

- Mono-rail manual trolley is driven by hands moving on the flanged beam freely. The size of the wheel can be adjusted according to the flanged beam-width. It can be combined with the manual hoist to be manual trolley. It is widely used in factories, mining industry, ports, warehouses, construction sites, etc.



– Specifications and Dimensions

	Capacity (Ton)	Unit (mm)					Net Weight Unit (KG)	Gross Weight	Minimum Turning Radius (M)
		A	B	R	T	I			
2ET01	1	315	212	142	231	Φ 31	8	9	11/12
2ET02	2	325	220	142	231	Φ 36	15	17	11/12
2ET03	3	340	250	142	231	Φ 43	23	25	11/12
2ET05	5	400	291	142	231	Φ 54	41	43	11/12