

Electric Wire Rope Hoist

1. HIGH RELIABLE BRAKING SYSTEM UNQUE TO SAFELIFT

- The hoist detects the amount of lining abrasion. The brake is equipped with as 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 the auxiliary brake unit

2. HOISTING MOTOR WITH A THERMAL PROTECTOR

- The hoist 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 fot the hook inspection of deformation.
- The inspection of the rope end is easy.

Motor unit

Each hoist is equipped with a motor, which provides optimal starting torque for the hoist.

Employing cooling fans and large-capacity ball bearings, the class B insulating motor (class F for 7.5 and 10 tons) can withstand severe operating conditions. The hoisting motor is provide with a thermal protector, which sense the heat of the motor coil and functions to protect the motor from burning damage caused by over-frequent starting times.

Control box

Starting time counter

The cumulative number of starting times is indicated on this counter because the total number of times the parts have been operated is know on this counter it is useful for planning the maintenance and procurement of consumable part such as brake , electromagnetic switches and wire ropes.

Reduction gear unit

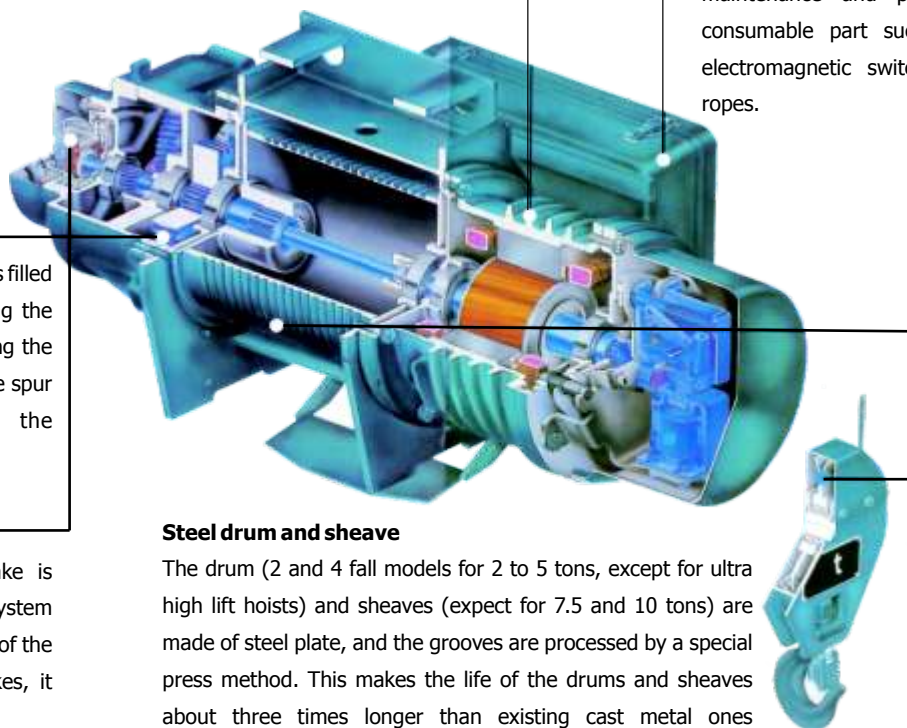
With a grease lubricating system, grease is filled in the gear unit on shipment, eliminating the replenishment prior to use and prolonging the operation time. The building blocks of the spur gears (helical 1st stage) facilitate the maintenance inspection

Auxiliary brake unit

If the braking force of the main brake is reduced, the auxiliary brake unit, a new system with minimum impact, prevents the drop of the load. Together with the automatic brakes, it composes a double braking mechanism.

Steel drum and sheave

The drum (2 and 4 fall models for 2 to 5 tons, except for ultra high lift hoists) and sheaves (expect for 7.5 and 10 tons) are made of steel plate, and the grooves are processed by a special press method. This makes the life of the drums and sheaves about three times longer than existing cast metal ones (compared with our products)



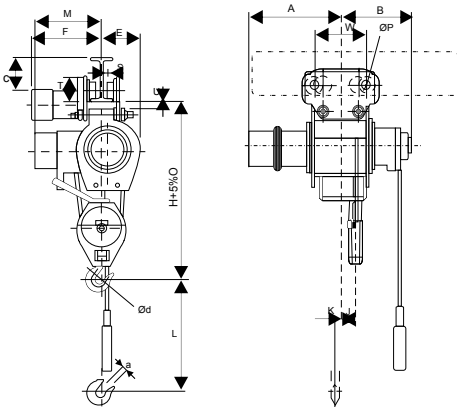


This is an orthodox type of hoist widely utilized for general purposes. It boasts high performance for use in rugged jobs such as general production in factories, mining, railroads and warehouses.

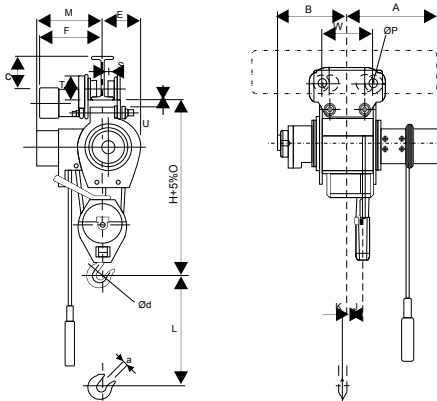
Technical Parameters

Capacity			1	2	3	5	5	7.5	10	15	20	
Lifting height (m)			6/12	6/12	6/12	6/12	9/12	9/12	9/12	9/12	12	
Hoisting	Speed (m/min)	50Hz	11	8.4	7.5	7.5	6.7	6.0	5.0	5.0	4.2	
		50Hz	13	10	9	9	8	7.2	6.0	6.0	5.0	
	Motor	(Kw)	60Hz	1.9	2.9	4.2	4.2	5.9	7.9	8.8	6.7X2	7.5x2
		60Hz	2.3	3.5	5	5	7	9.5	10.5	8X2	9x2	
		No. of Poles	4	4	4	4	4	4	4	4	4	4
Traversing	Speed (m/min)	50Hz	21	21	21	21	21	14	14	14	14	
		50Hz	25	25	25	25	25	17	17	17	17	
	Motor	(Kw)	60Hz	0.30	0.30	0.45	0.45	0.63	0.47x2	0.47X2	0.7X2	0.7x2
		60Hz	0.36	0.36	0.55	0.55	0.75	0.56x2	0.56X2	0.84X2	0.84x2	
		No. of Poles	4	4	4	4	4	6	6	4	4	
Wire Rope	No. of falls		2	2	2	2	4	4	4	4	4	
	Composition		6xFi(29)-B								6xFi(29)WRC-B	
	Dia. (mm)		ø8	ø11.2	ø14	ø14	ø12.5	ø14	ø16	ø20	ø22.4	
Operating method			PUSH-BUTTON OPERATION									
Electric source (3 phase)			200-600V 50Hz/60Hz									

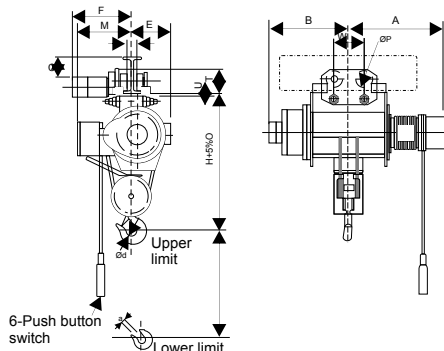
1T



2 T/3T



5T



Size Specification

Capacity (t)		1						2					
Approx. dimensions (mm)	L	6000						12000					
	H	790						985					
	A	545						715					
	B	350						385					
	M	345						345					
	W	200/290						200/290					
	K	20						90					
	J	85						115					
	ød	45						45					
	øP	96						96					
a	23						23						
Min. curve radius (m)		1.5						1.5					
Dimensions with respect to I-beam		E	F	S	T	U	C	E	F	S	T	U	C
200x100x7		255	374	42	148	47/42	135	220	378	42	148	42	135
250x125x7.5		255	387	67	151	44/39	185	220	391	67	151	39	185
300x150x11.5		255	400	92	160	35/30	225	220	404	92	160	30	225
450x175x11													
Approx. weight (Kg)		165						175					
		250						270					

Capacity (t)		3						5					
Approx. dimensions (mm)	L	6000						8000					
	H	1115						1190					
	A	645						690					
	B	475						660					
	M	460						460					
	W	230/310						230/310					
	K	35						120					
	J	80						110					
	ød	71						71					
	øP	128						128					
a	42						42						
Min. curve radius (m)		2.0						2.0					
Dimensions with respect to I-beam		E	F	S	T	U	C	E	F	S	T	U	C
200x100x7													
250x125x7.5		245	417	52	177	38	180						
300x150x11.5		245	430	77	187	28	220	305	450	77	225	30	215
450x175x11		245	443	102	185	30	370	305	463	102	223	32	365
Approx. weight (Kg)		315						340					
		685						745					