

Higher quality to make lifting work more efficient and save on labour

KITO Wire Rope Hoists



Reliable & Efficient, KITO Wire Rope Hoists can answer your lifting needs.

In moving heavy a load, one key question is how to efficiently use both human power and working time. Among various choices of machinery to solve the question, KITO wire rope hoists are highly appreciated in most industrial fields.

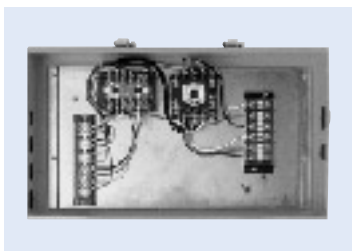
KITO advanced technology over years as global leading manufacturer of material handling and lifting equipment has produced versatile, reliable and environment-user-friendly wire rope hoists, and offer a diverse array of the products for the best suited to your needs. To make your lifting work more efficient, save on labor and streamline the operation, choose our reliable and easy-to-operate wire rope hoists - Type F or Type K.

Product Lineup

Hoist Types		Capacity (t)	Regular	Low-head	Double Rail	Suspended	Stationary
			Motorized Traversing				
		Lifting Height (m)					
Medium Frequency use	Type F	1	6 · 12	6	—	6 · 12	—
		2	6 · 12	6	—	6 · 12	—
		3	6 · 12	6	6	6 · 12	—
High Frequency use	Type K	5	8 · 12	8 · 12	8 · 12	8 · 12	8 · 12
		7.5	8 · 12	8 · 12	8 · 12	8 · 12	8 · 12
		10	8 · 12	8 · 12	8 · 12	8 · 12	8 · 12
		15	8 · 12	—	8 · 12	8 · 12	8 · 12
		20	12	—	12	12	12
		30	—	—	12	—	12
		40	—	—	6.5 · 11.5	—	6.5 · 11.5
45	—	—	12.5	—	12.5		

•Geared trolley and plain trolley type traversing hoists are available on request.

Peripheral device



Crane control box

SBH type (0.5 to 3.0 kW)

This is a travel control box that incorporates an electromagnetic contactor for traveling. Also travel control box provided with an electromagnetic contactor for a main line cut is available.

Every wire connection from the outside can be performed easily at the terminal base. In addition, the door can be opened and closed by one-touch operation.

p e H o i s t s

Hoist Configuration

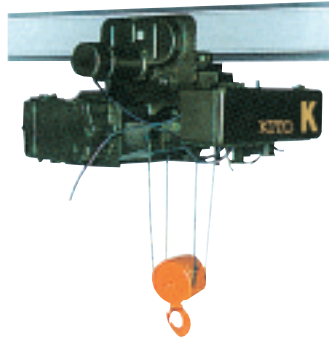
Regular Motorized Traversing Hoist

This hoist traverses on the rail by motorized trolley. (Most universally used)



Low-head Motorized Traversing Hoist

At the upper limit, the headroom (the distance between the outer bottom of the rail and the hook center) is minimized. (Suitable for a place with low ceiling)



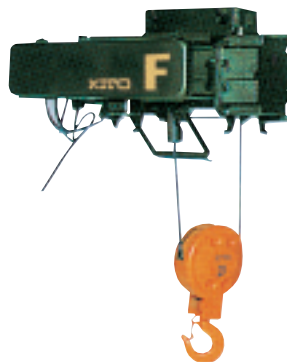
Double Rail Motorized Traversing Hoist

This hoist traverses on the double rails of the overhead crane (Stable running and often used for large capacity)



Suspended

This hoist only lifts and lowers a load without traversing fixed to the ceiling.



Introduction of Products

Type F (1t to 3t)

Medium frequent use

- Simple but economical & high performance hoist.
- One-grade superiority provides power & economy of the major hoist.



Type K (5t to 45t)

High frequent use

- Industry-leading frequency & lifting speed.



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- 18 | Suspension Hoist
| (Model KK:5t to 20t)
- 19 | Stationary Hoist
| (Model KS:5t to 30t)

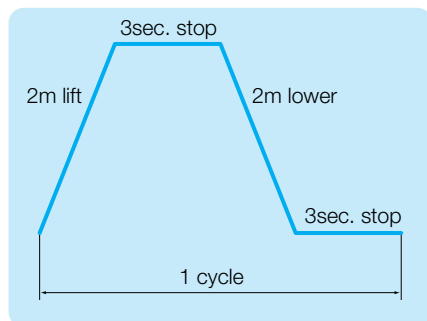
Hoist Ratings and Grades

The grade of motor, gear, bearings and other mechanical parts are specified in JIS C 9620. Make sure that the rating and grade cover your work in order to select the best model.

Lifting motor rating

Short time rating 30min.

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

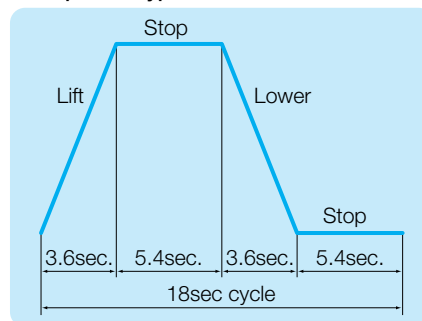


•Specified for W.L.L.

Intermittent rating ED percent 40% (Type K), 25% (Type F) Max. No. of starts per hour 400 (Type K) 250 (Type F)

This rating indicates the ED percent (ratio of motor ON-to-OFF time) and max. No. of starts per hour (how many times the motor is started up in one hour) for a hoist operated continuously on the below cycle, assuming continued operation or repeated starting over a long time span.

Example for Type K



•Specified 63% of W.L.L.

$$\bullet \%ED = \frac{\text{Motor ON time (3.6 sec.} \times 2)}{1 \text{ cycle (18 sec.)}} \times 100$$

$$\bullet \text{Max. No. of starts per hour (starts/hr)} = \frac{1 \text{ hour (3600 sec.)}}{1 \text{ cycle (18 sec.)}} \times 2 \text{ (lifting \& lowering)}$$

If using the hoist on a cycle different from the above, use the below formulas to calculate ED percent and the max. No. of starts per hour.

$$\bullet \%ED = \frac{\text{Total Motor ON time in one hour under the busiest conditions of use (min)}}{60 \text{ min.}} \times 100$$

$$\bullet \text{Max. No. of starts per hour (starts/hr)} = \text{No. of starts per hour under the busiest conditions of use}$$

Hoist grade (M6 for Type K, M5 for Type F)

Rate of loading	Ave. daily operating time (hr)	Max. 0.25	0.25 < x ≤ 0.5	0.5 < x ≤ 1	1 < x ≤ 2	2 < x ≤ 4	4 < x ≤ 8	8 < x ≤ 16	Min. 16
	* Total operating time (hr)	Max. 400	400 < x ≤ 800	800 < x ≤ 1600	1600 < x ≤ 3200	3200 < x ≤ 6300	6300 < x ≤ 12500	12500 < x ≤ 25000	Min. 25000
Light	When normally working with approx. 1/3 of W.L.L. and rarely with W.L.L.	—	M1	M2	M3	M4	M5	M6	M7
Medium	When normally working with approx. 1/3 to 2/3 of W.L.L. and sometimes with W.L.L.	M1	M2	M3	M4	M5	M6	M7	M8
Heavy	When normally working with approx. 2/3 of W.L.L. and often with W.L.L.	M2	M3	M4	M5	M6	M7	M8	—
Very heavy	When normally working with W.L.L. or near W.L.L.	M3	M4	M5	M6	M7	M8	—	—

* Total operating time applies to gears, bearings and other mechanical parts; consumable parts are not taken into calculation.

•The grade symbols are identical to those of ISO4301. (Cranes and lifting appliance-Classification)

Intermittent rating and Maximum number of starts per hour

	Type K	Type F
Intermittent rating (%ED)	40	25
Max. No. of starts per hour (Times/hour)	400	250

- Max. number of starts per hour is counted under the busiest conditions of use.
- In case the Intermittent rating and maximum number of starts per hour exceed 40% ED and 400 times/hour respectively, specially designed hoist is required. In this case, consult with the nearest Kito distributor.

$$\bullet \%ED = \frac{\text{Total Motor ON time in one hour under the busiest conditions of use (min)}}{60 \text{ min.}} \times 100$$

Allowable Length of Power Supply Cable

- In case travelling distance is short and a travelling rail is installed in straight line, feeding power source by cable is easy for installation.
- There are two kinds of cable installation, Cable hanger type and Cable reel type.
- As the Cable hanger has two types, sliding on a Messenger wire and sliding on a Beam flange, select the suitable one in accordance with condition of installation.

For 200V/50Hz, 200V/60Hz and 220V/60Hz

Hoist Types	Hoist Capacity W.L.L. (t)	Motor Capacity (kW) 60Hz	Allowable length of power supply cable (m)						
			Nominal conductor sectional area (mm ²)						
			2	3.5	5.5	8	14	22	38
Type F	1	1.4	27	48	75				
	2	2.6	15	27	43	63			
	3	3.9	—	18	29	43	75		
Type K	5	7.5	—	—	—	27	48	76	
	7.5	10	—	—	—	—	37	58	101
	10	12	—	—	—	—	—	45	78
	15/20/30	20	—	—	—	—	—	—	49

For 380V/50Hz, 415V/50Hz and 440V/60Hz

Hoist Types	Hoist Capacity W.L.L. (t)	Motor Capacity (kW) 60Hz	Allowable length of power supply cable (m)						
			Nominal conductor sectional area (mm ²)						
			2	3.5	5.5	8	14	22	38
Type F	1	1.4	56	98	154				
	2	2.6	31	55	86	126			
	3	3.9	22	39	61	89	156		
Type K	5	7.5	14	25	39	57	101	159	
	7.5	10	—	19	30	43	76	120	207
	10	12	—	—	24	35	61	96	166
	15/20/30	20	—	—	—	—	37	59	102

- (1) The above tables are considered that the power supply is of 200V class and 400V class, and that voltage drop between the transformer and the hoist does not exceed 2%.
- (2) Data shown in above tables are for Power supply cables VCT (Polyvinyl chloride insulated cable) and 2CT (Rubber insulated cable).
- (3) Since the values in the tables are applicable when the power is given only to the hoisting and traversing motors, when a crane is used, wire size must be increased for that motor.
- (4) When the hoisting motor other than specified in the table is used, consult with nearest Kito distributor (starting current and power factor may differ).
- (5) When the capacity of transformer is too small, as compared with $\sqrt{3}EI_s$, voltage drop caused by the transformer itself should be considered.
- (6) Figures indicated in the are allowable cable length with Kito standard cable size.

Medium Frequency Use

Type

F

1t to 3t

Clamping bolt

Clamping with nut and split pin

Traverse brake

Disc type voltage-driven DC brake
The brake torque can be adjusted.

Control box

The cover can be opened and closed by one-touch operation.

Electromagnetic brake

Disc brake with an auto adjustment device

Lifting motor

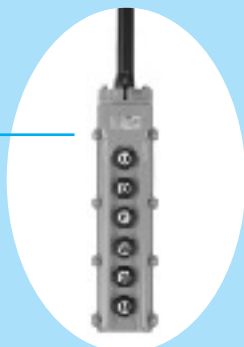
High-resistance squirrel cage type induction motor, class F insulation.
The ball bearing contains heat-resisting grease.

Cable for push button switch

Earthquake-proof cable.
(a built-in protective wire)

Push button switch

Plastic case



Traverse deceleration section

Grease lubrication, simple 2-step deceleration, and closed gear box

Traverse motor

Squirrel cage type induction motor, class B insulation

Lifting deceleration section

Grease lubrication, simple 2-step deceleration

Lifting limit switch

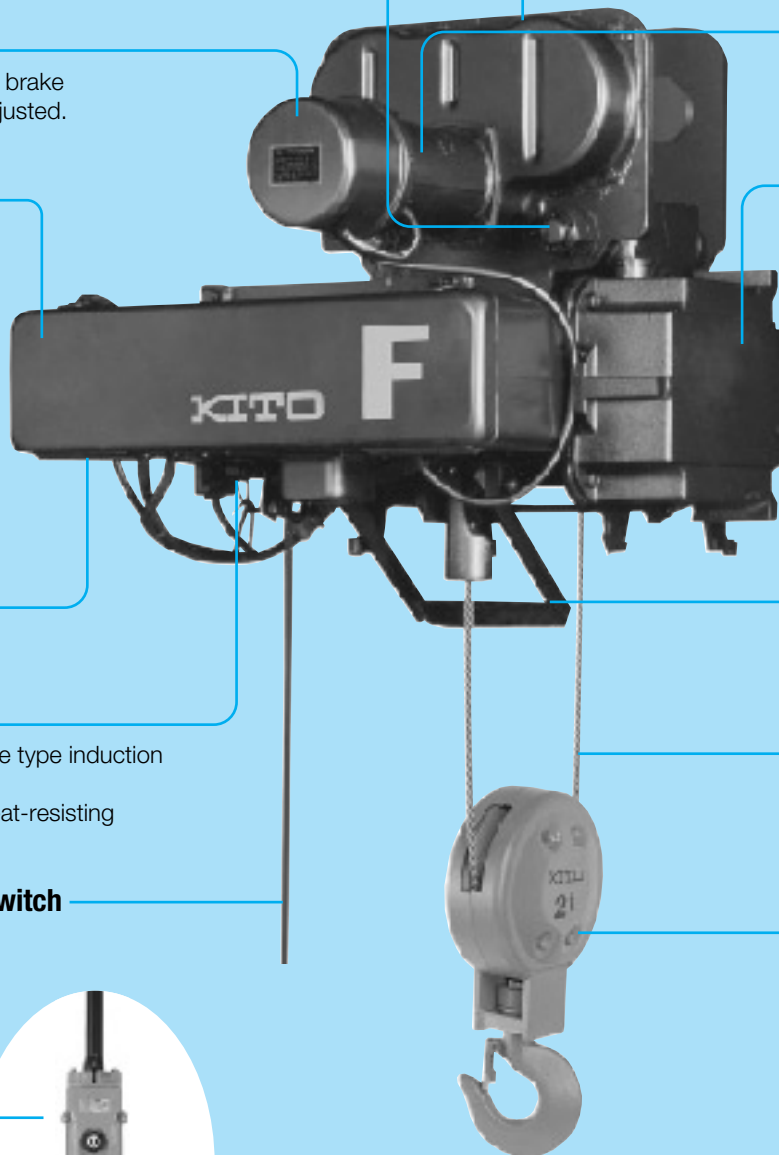
2-step hoisting limit switch
(Not regularly used)

Wire rope

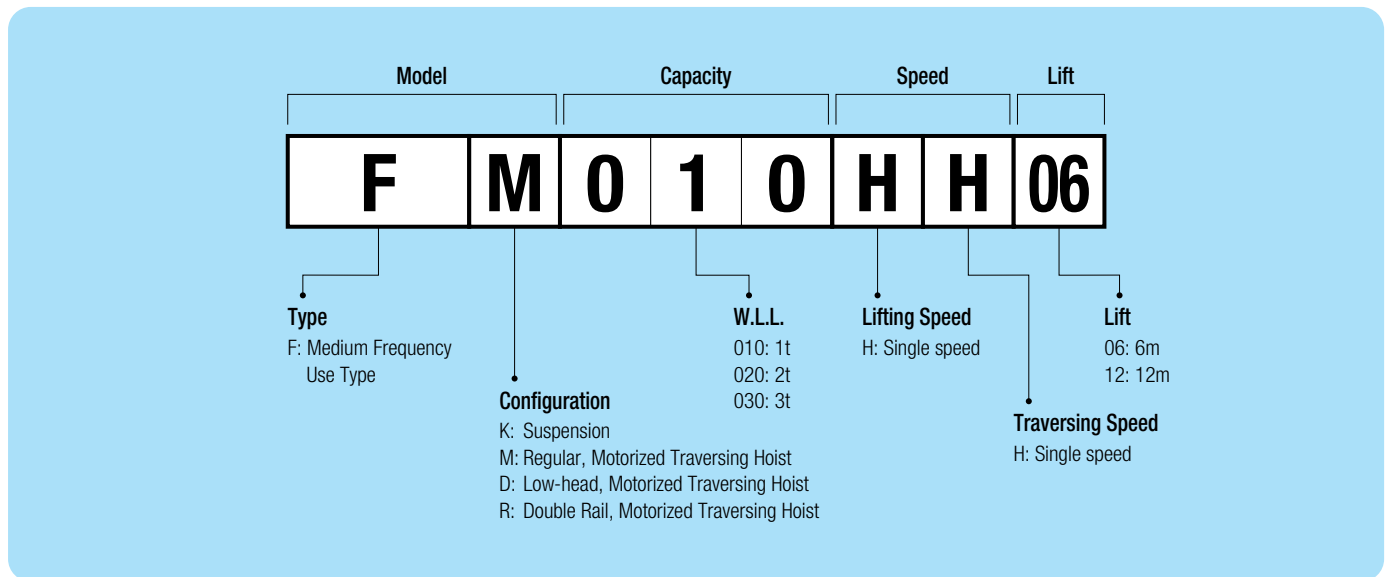
Parallel stranded rope is used. The rope end is clamped by pressure welding.

Hook block

Enclosed hook block with a hook latch



How to read product code

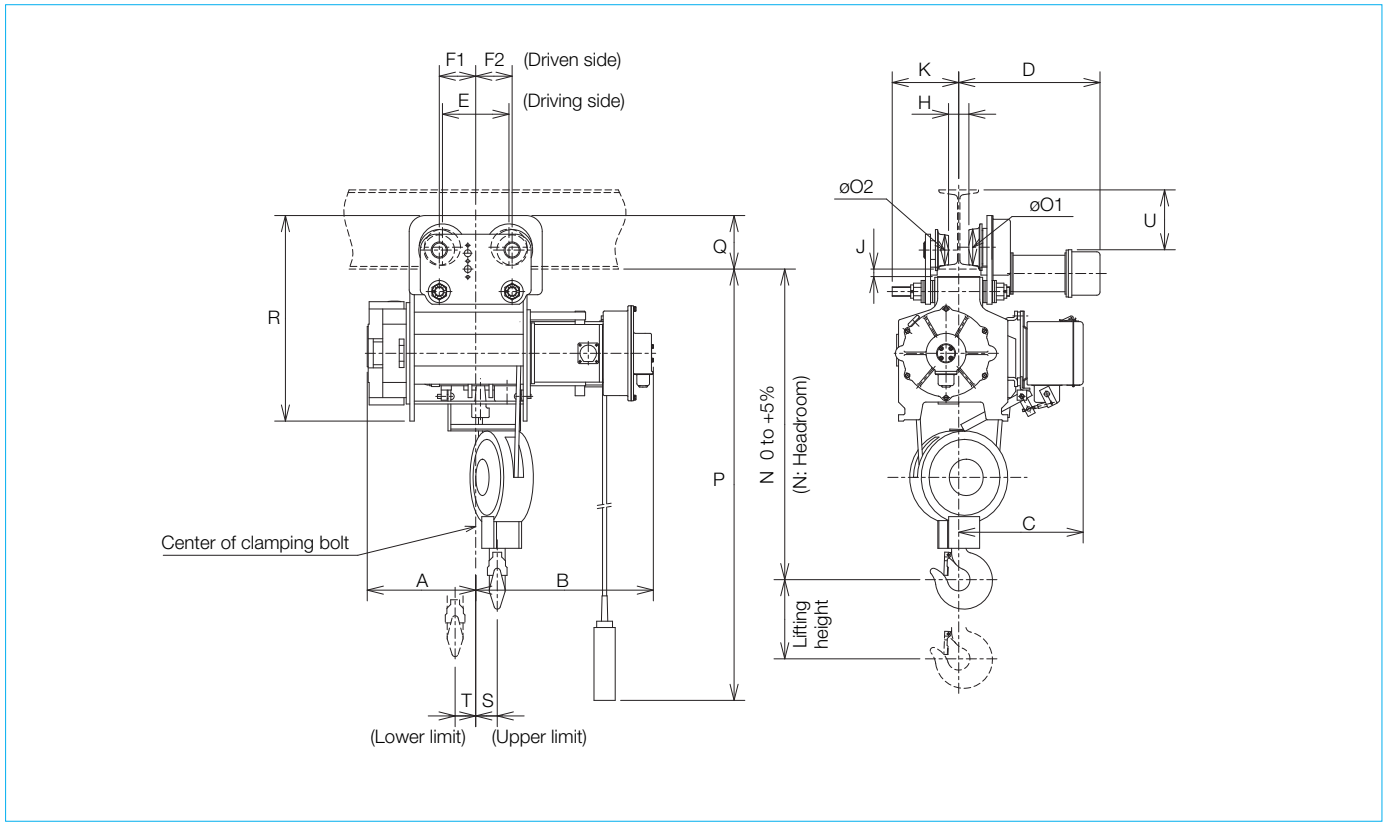


Specifications

Power supply	3-phase 200 V 50/60 Hz, 220V 60Hz, 380V 50Hz, 415V 50Hz, 440V 60Hz
Controller	Push button switch: Control voltage: 200V for 200V 50/60Hz, 220V 60Hz 48V for 380V 50Hz, 415V 50Hz, 440V 60Hz With Suspension, Geared/Plain trolley: 2 buttons (Up and Down) With Motorized trolley: 6 buttons (Up, Down, East, West, South and North)
Duty cycle	30 min. (JIS C 9620)
Power supply system	Fed over both trolley and cable available. However, neither trolley nor cable is attached.
Protective construction	Simplified outdoor type (JIS C 0920, IP44)
Applicable standard	JIS C 9620 electric hoist/crane structure standard
Coating color	Body: Dark green (equivalent to Munsell No.10Y4/4) Hook block: Munsell 7.5YR7/14 Push button: Equivalent to Munsell 7.5YR7/13
Operating temperature	-5°C (23°F) to 40°C (104°F) (non-frozen)
Humidity	90%RH or less (non-condensed)

Note: These hoists cannot be used for lift (elevator for passengers).

Type **F** **Regular 1t to 3t**
Motorized Traversing Hoist



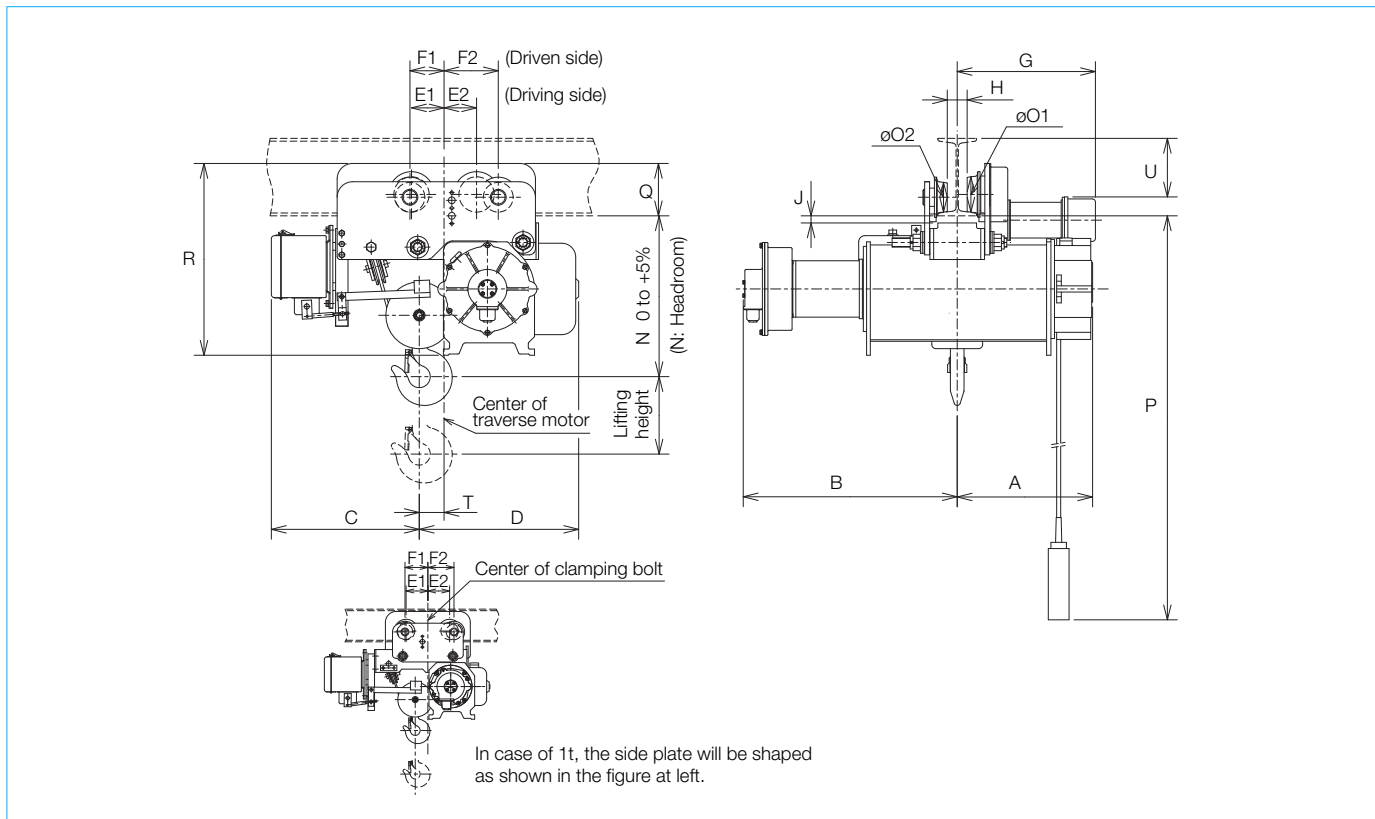
Specifications and Dimensions

Code	FM010		FM020		FM030											
	HH06	HH12	HH06	HH12	HH06	HH12										
W.L.L. (t)	1		2		3											
Lifting height (m)	6	12	6	12	6	12										
Hoist	Lifting speed (m/min) 50/60Hz	6.7/8		6/7.2		6/7.2										
	Lifting motor (kW-P) 50/60Hz	1.2-4/1.4-4		2.2-4/2.6-4		3.2-4/3.9-4										
	Wire rope Configuration	JIS G 3525 6xW (19) B		JIS G 3525 6xFi (29) B												
	Wire rope Dia.(mm)x No.of falls	8x2		10x2		12.5x2										
Brake	Disc brake with auto adjustment device															
Trolley	Traversing speed (m/min) 50/60Hz	21/25		21/25		21/25										
	Traversing motor (kW-P) 50/60Hz	0.22-4/0.26-4		0.5-4/0.6-4		0.5-4/0.6-4										
Brake	Disc type voltage drive D.C. brake (With brake torque adjusting mechanism)															
Approximate dimensions (mm)	A	283	489	284	485	343	558									
	B	468	507	532	566	565	606									
	C	347		368		393										
	E	200		210		200										
	F1	105	170	115	205	115	205									
	F2	120	170	115	165	115	165									
	K	182		210		210										
	N	730		840		980										
	O1/O2	80/72		114/96		114/96										
	P	6000	12000	6000	12000	6000	12000									
	R	535		585		649										
S	76	117	73	108	68	115										
T	49	132	47	130	65	150										
Min. radius for curve (m)	1.8 (3.0)		2.5		2.5											
Approximate mass (kg)	150	170	230	260	320	360										
Hook block mass (kg)	7.5		15		27											
Distance to I-beam (mm)	D	H	J	Q	U	D	H	J	Q	U	D	H	J	Q	U	
Applicable I-beam	150x75x5.5	360	24	33	140	105	—	—	—	—	—	—	—	—	—	—
	200x100x7	372	48	33	140	155	—	—	—	—	—	—	—	—	—	—
	250x125x7.5	385	74	31	142	203	465	64	29	169	188	—	—	—	—	—
	300x150x8	—	—	—	—	—	478	90	28	170	237	478	90	28	170	237

•Figures in parenthesis show Min. Radius for curve of I-beam *FM010=150x75x5.5"
 •Indicates distance to I-beam for standard dimension I-beams. For use with other size I-beams, spacers require for rearranging.

Low-head 1t to 3t ^{Type}F

Motorized Traversing Hoist



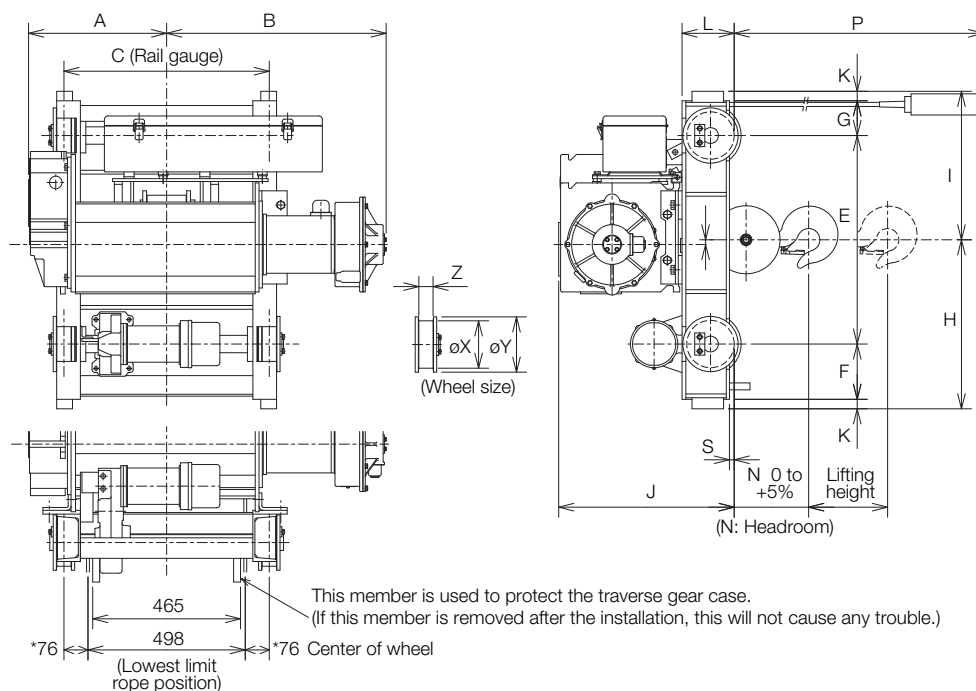
Specifications and Dimensions

Code		FD010					FD020					FD030					
		HH06					HH06					HH06					
W.L.L. (t)		1					2					3					
Lifting height (m)		6					6					6					
Hoist	Lifting speed (m/min) 50/60Hz	6.7/8					6/7.2					6/7.2					
	Lifting motor (kW-P) 50/60Hz	1.2-4/1.4-4					2.2-4/2.6-4					3.2-4/3.9-4					
	Wire rope	Configuration	JIS G 3525 6xW (19) B					JIS G 3525 6xFi (29) B									
		Dia.(mm)× No. of falls	6.3×4					8×4					9×4				
Brake		Disc brake with auto adjustment device															
Trolley	Traversing speed (m/min) 50/60Hz						21/25										
	Traversing motor (kW-P) 50/60Hz	0.22-4/0.26-4					0.5-4/0.6-4					0.5-4/0.6-4					
Brake		Disc type voltage drive D.C. brake (With brake torque adjusting mechanism)															
Approximate dimensions (mm)	A	426					415					437					
	B	583					656					695					
	C	418					465					478					
	D	343					455					515					
	E1	100					105					105					
	E2	100					105					105					
	F1	105					110					110					
	F2	120					175					175					
	N	405					485					515					
	O1/O2	80/72					114/96					114/96					
	P	6000					6000					6000					
R	495					572					619						
T	58					77					80						
Min. radius for curve (m)		2.0 (3.5)					3.0					3.0					
Approximate mass (kg)		170					260					350					
Hook block mass (kg)		8					15					25					
Distance to I-beam (mm)		G	H	J	Q	U	G	H	J	Q	U	G	H	J	Q	U	
Applicable I-beam		Contact your nearest KITO dealer															

•Figures in parenthesis show Min. Radius for curve of I-beam "FM010=150x75x5.5"

Type F Double Rail 3t

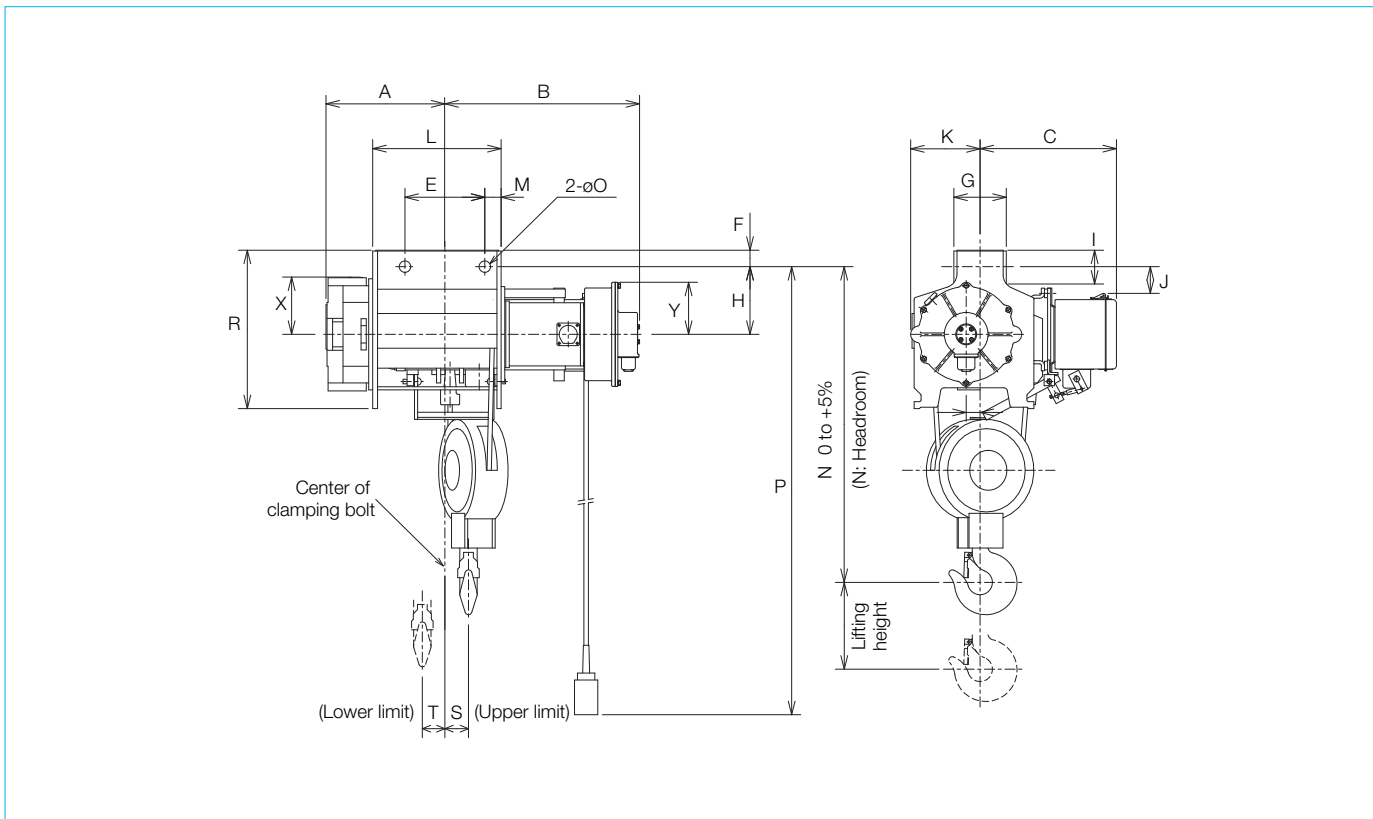
Motorized Traversing Hoist



Specifications and Dimensions

Code		FR030	
		HH06	
W.L.L. (t)		3	
Lifting height (m)		6	
Hoist	Lifting speed (m/min) 50/60Hz	6/7.2	
	Lifting motor (kW-P) 50/60Hz	3.2-4/3.9-4	
	Wire rope Configuration	JIS G 3525 6xFi (29) B	
	Wire rope Dia.(mm)x No.of falls	9x4	
Brake		Disc brake with auto adjustment device	
Trolley	Traversing speed (m/min) 50/60Hz	21/25	
	Traversing motor (kW-P) 50/60Hz	0.5-4/0.6-4	
	Brake	Disc type voltage drive D.C. brake (With brake torque adjusting mechanism)	
Approximate dimensions (mm)	A	437	
	B	695	
	C	650	
	E	660	
	F	175	
	G	110	
	H	535	
	I	470	
	J	556	
	K	30	
	L	165	
	N	233	
	P	6000	
	S	15	
	T	15	
X	150		
Y	175		
Z	45		
Approximate mass (kg)		435	
Hook block mass (kg)		25	
Applicable rail		Rail (12 kg/m) or Square rail (□38)	

Suspended 1t to 3t ^{Type}F Hoist



Specifications and Dimensions

Code	FK010		FK020		FK030		
	H06	H12	H06	H12	H06	H12	
W.L.L. (t)	1		2		3		
Lifting height (m)	6	12	6	12	6	12	
Hoist	Lifting speed (m/min) 50/60Hz	6.7/8		6/7.2		6/7.2	
	Lifting motor (kW-P) 50/60Hz	1.2-4/1.4-4		2.2-4/2.6-4		3.2-4/3.9-4	
	Wire rope	Configuration	JIS G 3525 6xW (19) B		JIS G 3525 6xFi (29) B		
		Dia.(mm)× No.of falls	8x2		10x2		12.5x2
Brake	Disc brake with auto adjustment device						
Approximate dimensions (mm)	A	283	489	284	485	343	558
	B	468	507	532	566	565	606
	C	347		368		393	
	E	230		230		230	
	F	33		43		48	
	G	117		151		151	
	H	160		170		195	
	I	71		83		94	
	J	47		57		77	
	K	182		174		200	
	L	323	568	326	561	370	630
	M	37	76	48	82	47	92
	N	665		765		910	
	O	24		33		33	
	P	6000	12000	6000	12000	6000	12000
	R	363		388		457	
	S	76	117	73	108	68	115
T	49	132	47	130	65	150	
X	109		141		165		
Y	85		105		150		
Z	46		41		40		
Approximate mass (kg)	120	135	170	200	260	300	
Hook block mass (kg)	7.5		15		27		

High Frequency Use

Type

K

5t to 45t

Traverse brake

Disc type DC brake
The brake torque can be adjusted.

Traverse deceleration section

Grease lubrication, simple 2-step deceleration, and totally enclosed structure

Control box

The cover can be opened and closed by one-touch operation.

Traverse motor

Squirrel cage type induction motor, class E insulation

Electromagnetic brake

7.5t or more: Disc brake that permits adjusting a gap easily.
5t: Disc brake with an auto adjustment device.

Lifting deceleration section

5t: Simple 3-step deceleration
7.5t or more: Planet 2-step deceleration

Lifting motor

High-resistance squirrel cage type induction motor, class F insulation

Lifting limit switch

2-step hoisting limit switch
(Not regularly used)

Cable for push button switch

Earthquake-proof cable
(with a built-in protective wire)

Wire rope

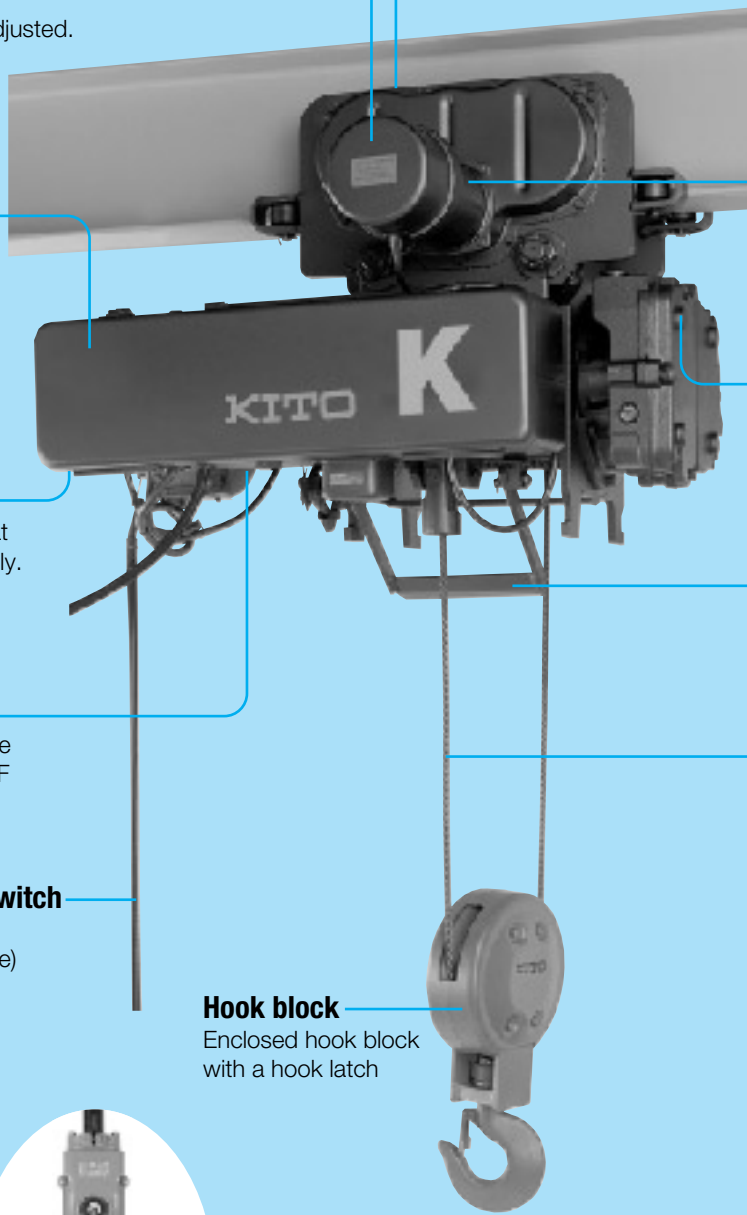
Parallel stranded rope is used.
The rope end is clamped by pressure welding ($\phi 14$ or less).

Hook block

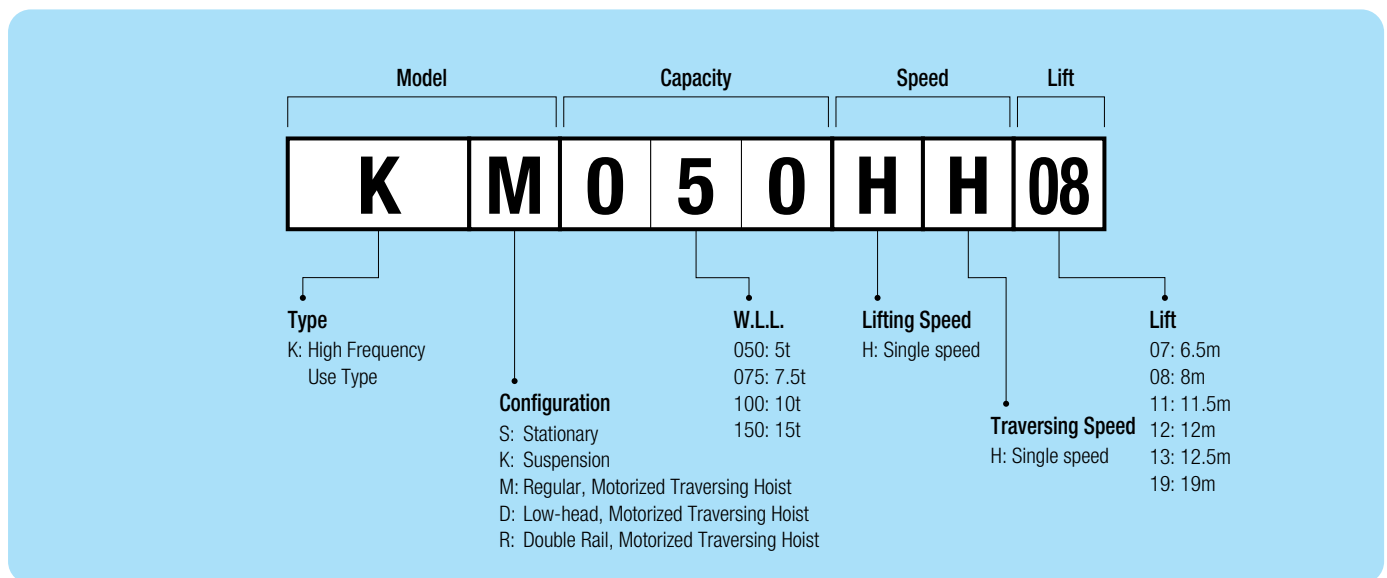
Enclosed hook block with a hook latch

Push button switch

Plastic case



How to read product code



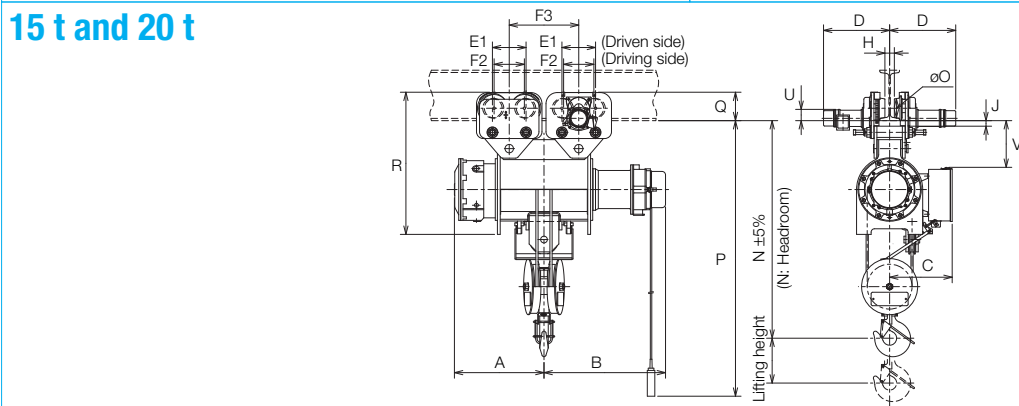
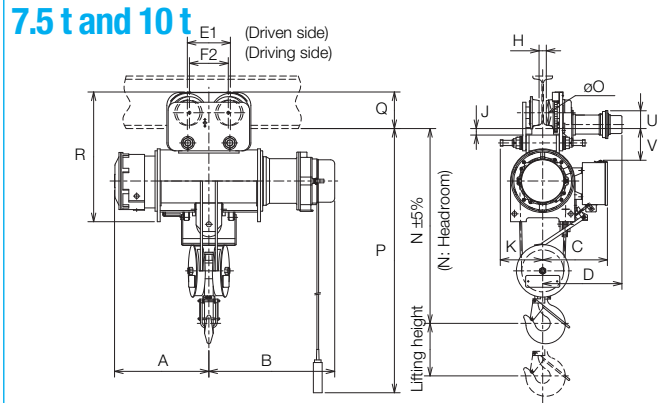
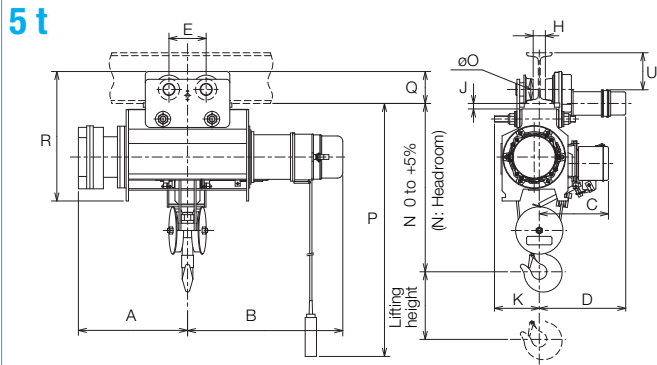
Specifications

Power supply	3-phase 200 V 50/60 Hz, 220V 60Hz, 380V 50Hz, 415V 50Hz, 440V 60Hz
Controller	Push button switch: Control voltage: 200V for 200V 50/60Hz, 220V 60Hz 48V for 380V 50Hz, 415V 50Hz, 440V 60Hz With Suspension, Stationary : 4 buttons (On, Off, Up and Down), Geared/Plain trolley : 2 buttons (Up and Down) With Motorized trolley : 8 buttons (On, Off, Up, Down, East, West, South and North) (On/Off Control will be enabled as an option if required in advance.)
Duty cycle	30 min. (JIS C 9620)
Power supply system	Fed over both trolley and cable available. However, neither trolley nor cable is attached.
Protective construction	Simplified outdoor type (JIS C 0920, IP44)
Applicable standard	JIS C 9620 electric hoist/crane structure standard
Coating color	Body: Dark green(equivalent to Munsell No.10Y4/4) Hook block: Munsell 7.5YR7/14 Push button: Equivalent to Munsell 7.5YR7/13
Operating temperature	-5°C(23°F) to 40°C (104°F) (non-frozen)
Humidity	90%RH or less (non-condensed)

Note: These hoists cannot be used for lift (elevator for passengers).

Type K Regular 5t to 20t

Motorized Traversing Hoist



Specifications and Dimensions

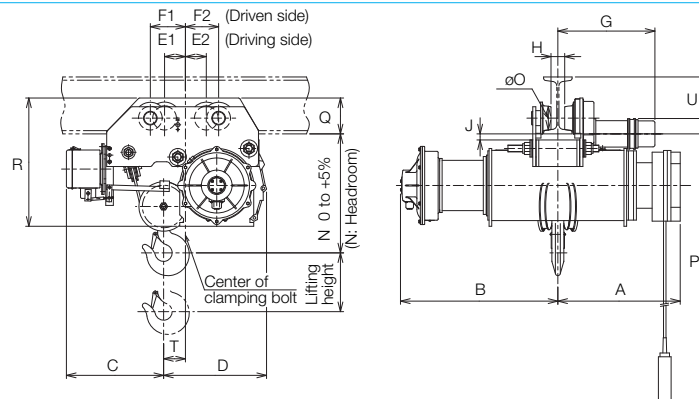
Code	KM050		KM075		KM100		KM150		KM200			
	HH08	HH12	HH08	HH12	HH08	HH12	HH08	HH12	HH12			
W.L.L. (t)	5		7.5		10		15		20			
Lifting height (m)	8	12	8	12	8	12	8	12	12			
Hoist	Lifting speed (m/min) 50/60Hz	6.7/8		5.8/7		5/6		5/6		4.2/5		
	Lifting motor (kW-P) 50/60Hz	6.2-4/7.5-4		8.3-4/10-4		10-6/12-6		17-6/20-6				
	Wire rope Configuration	JIS G 3525 6xFi (29) B										
	Wire rope Dia.(mm)x No.of falls	11.2x4		14x4		16x4		20x4		22.4x4		
Brake	Disc brake (With brake torque adjusting mechanism)											
Trolley	Traversing speed (m/min) 50/60Hz	21/25				12/15						
	Traversing motor (kW-P) 50/60Hz	0.85-4/1.0-4				1.5-4/1.8-4		0.85-4x2/1.0-4x2		1.5-4x2/1.8-4x2		
Brake	Disc type D.C. brake (With brake torque adjusting mechanism)											
Approximate dimensions (mm)	A	646	771	669	794	719	844	799	949	999		
	B	830	955	1004	1129	959	1084	1085	1235	1235		
	C	410		458		493		558		583		
	E1	110		300		328		300		328		
	E2	110		—		—		—		—		
	F2	—		270		296		270		296		
	G	—		—		—		620 800		800		
	K	265		314		323		—		—		
	N	996		1270		1450		1930		2090		
	O	125		173		193		173		193		
P	8000	12000	8000	12000	8000	12000	8000	12000	12000			
R	766		903		988		1268		1398			
Min. radius for curve (m)	2.5		5.0		5.0		Straight line		Straight line			
Approximate mass (kg)	560		630		850		920		1200			
Hook block mass (kg)	42		80		100		1300		2100			
Hook block mass (kg)	190		2250		2600		280					
Distance to I-beam (mm)	D	H	J	Q	U	D	H	J	Q	U	V	
Applicable I-beam	300x150x11.5	512	72	31	189	219	—					
	400x150x12.5	—					578	58	49	254	117	181
	450x175x13	524	96	27	193	365	590	82	49	254	117	181
	600x190x13	—					598	98	50	253	116	182
						624	94	50	278	140	242	
Contact your nearest KITO dealer												

■ Indicates distance to I-beam for standard dimension I-beams. For use with other size I-beams, spacers require for rearranging.

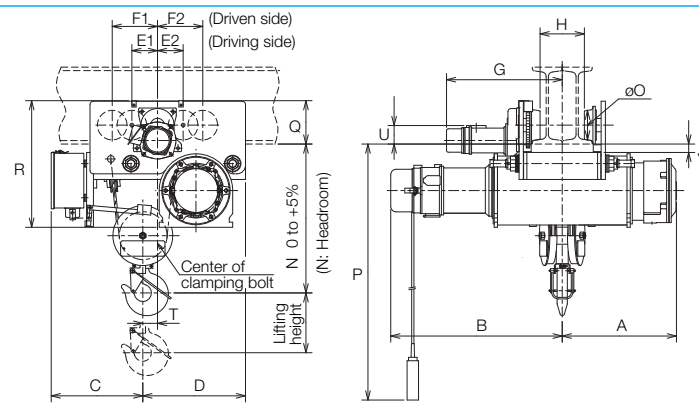
Low-head 5t to 10t ^{Type} K

Motorized Traversing Hoist

5 t



7.5 t and 10 t

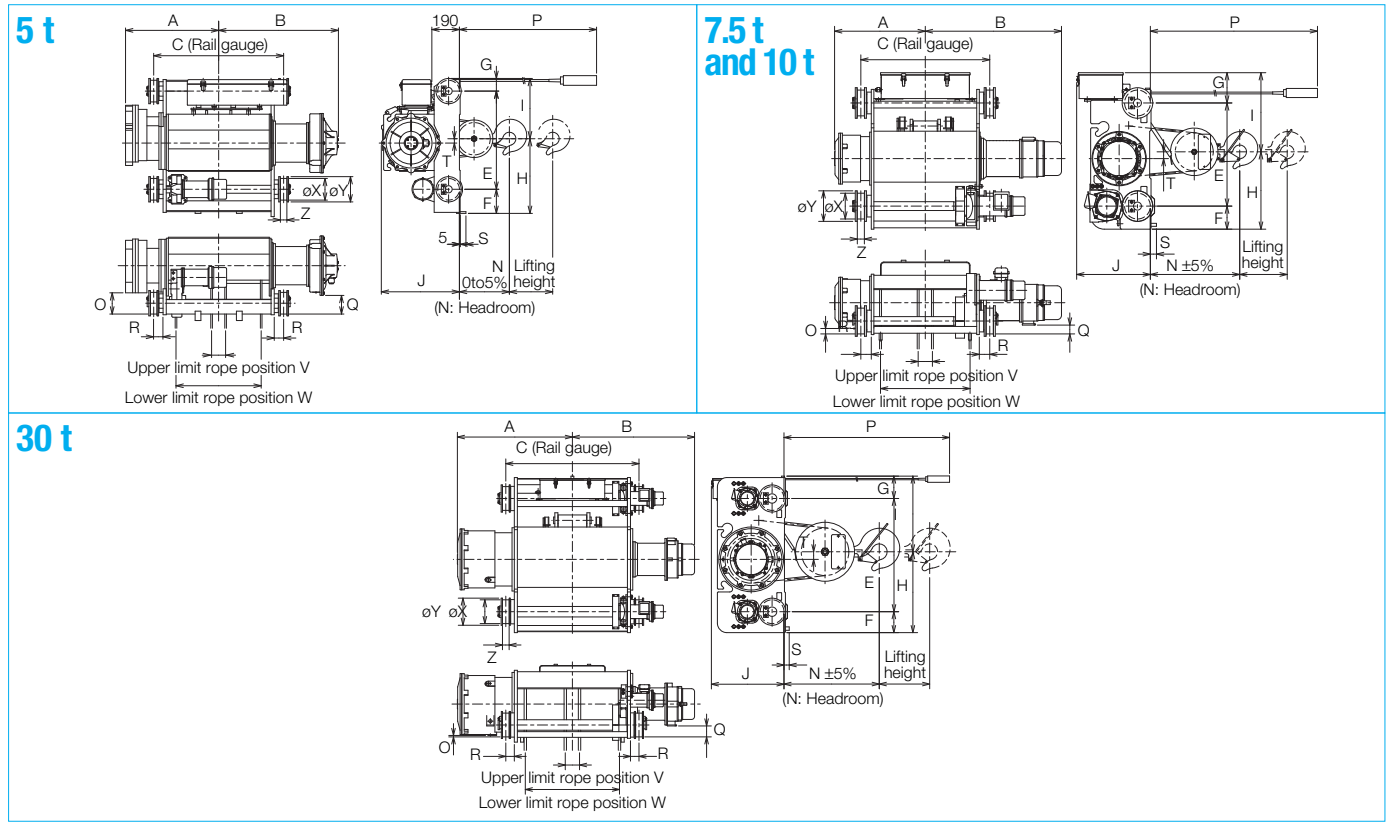


Specifications and Dimensions

Code	KD050		KD075		KD100					
	HH08	HH12	HH08	HH12	HH08	HH12				
W.L.L. (t)	5		7.5		10					
Lifting height (m)	8	12	8	12	8	12				
Hoist	Lifting speed (m/min) 50/60Hz	6.7/8		5.8/7		5/6				
	Lifting motor (kW-P) 50/60Hz	6.2-4/7.5-4		8.3-4/10-4		10-6/12-6				
	Wire rope	Configuration	JIS G 3525 6xFi (29) B							
		Dia.(mm)× No. of falls	11.2×4		14×4		16×4			
Brake	Disc brake (With brake torque adjusting mechanism)									
Trolley	Traversing speed (m/min) 50/60Hz	21/25		12/15						
	Traversing motor (kW-P) 50/60Hz	0.85-4/1.0-4				1.5-4/1.8-4				
	Brake	Disc type D.C. brake (With brake torque adjusting mechanism)								
Approximate dimensions (mm)	A	646	771	669	794	719	844			
	B	830	955	1004	1129	959	1084			
	C	518		536		619				
	D	542		601		689				
	E1/E2	110/110		150/150		604/164				
	F1/F2	185/175		265/265		528/162				
	N	650		880		990				
	O	125		173		193				
	P	8000	12000	8000	12000	8000	12000			
R	676		741		873					
T	115		86		363					
Min. radius for curve (m)	5.0		Straight line		Straight line					
Approximate mass (kg)	570	640	950	1020	1500	1600				
Hook block mass (kg)	42						100			
Distance to I-beam (mm)	G	H	J	Q	U	G	H	J	Q	U
Applicable I-beam	Contact your nearest KITO dealer									

Type K Double Rail 5t to 30t

Motorized Traversing Hoist



Specifications and Dimensions

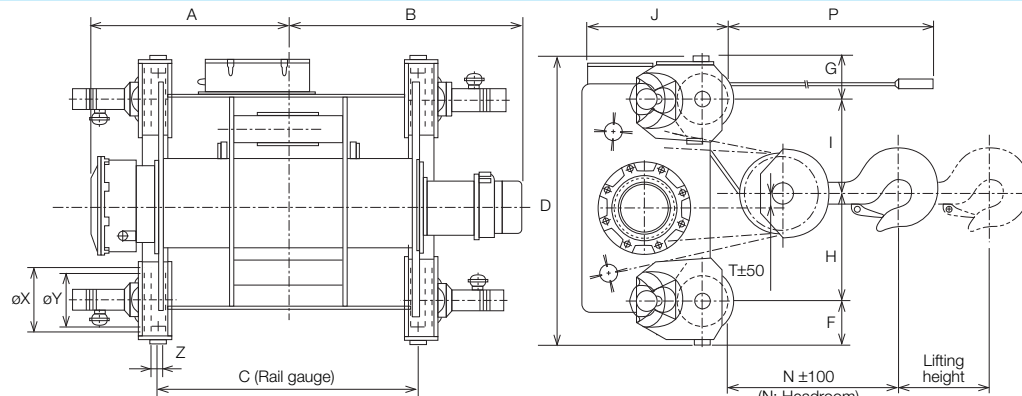
Code	KR050		KR075		KR100		KR150		KR200	KR300	
	HH08	HH12	HH08	HH12	HH08	HH12	HH08	HH12	HH12	HH12	
W.L.L. (t)	5		7.5		10		15		20	30	
Lifting height (m)	8	12	8	12	8	12	8	12	12	12	
Hoist	Lifting speed (m/min) 50/60Hz	6.7/8		5.8/7		5/6		5/6		4.2/5	2.8/3.3
	Lifting motor (kW-P) 50/60Hz	6.2-4/7.5-4		8.3-4/10-4		10-6/12-6		17-6/20-6			
	Wire rope Configuration	JIS G 3525 6xFi (29) B									
	Wire rope Dia.(mm)x No.of falls	11.2x4		14x4		16x4		20x4		22.4x4	25x4
Brake	Disc brake (With brake torque adjusting mechanism)										
Trolley	Traversing speed (m/min) 50/60Hz	21/25		0.85-4/1.0-4		15/18		1.5-4/1.8-4		1.5-4x2/1.8-4x2	
	Traversing motor (kW-P) 50/60Hz	0.5-4/0.6-4		0.85-4/1.0-4		15/18		1.5-4/1.8-4		1.5-4x2/1.8-4x2	
	Brake	Disc type D.C. brake (With brake torque adjusting mechanism)									
Approximate dimensions (mm)	A	646	771	669	794	719	844	799	949	999	1209
	B	830	955	1004	1129	959	1084	1085	1235	1235	1285
	C	900	1150	950	1200	950	1200	1000	1300	1300	1400
	E	680		760		840		1000		1045	1190
	F	167		170		170		220		220	220
	G	88		223		233		243		248	242
	H	517		570		613		760		790	850
	I	418		583		630		703		723	802
	J	540		543		543		743		748	763
	N	346		630		710		860		910	1020
	O	125		40		38		30		32	15
	P	8000	12000	8000	12000	8000	12000	8000	12000	12000	12000
	Q	180		75		30		85		120	115
	R	65		77		82		84		84	89
	S	40		45		55		55		55	55
	T	30		50		53		70		70	80
	V	97	100	105	80	100	100	110	135	125	150
W	590	840	660	910	620	870	660	960	945	990	
X	150		190		190		250		250	250	
Y	175		225		225		285		285	285	
Z	45		52		52		58		58	73	
Approximate mass (kg)	660	740	900	980	1250	1360	1900	2100	2500	3600	
Hook block mass (kg)	42		80		100		190		280	380	
Applicable rail	Rail(12kg/m)or Square rail(□38)		Rail (15 kg/m) or Square rail (□44)		Rail (22 kg/m) or Square rail (□50)		Rail(37kg/m)or Square rail(□65)		Rail(37kg/m)or Square rail(□65)		

Double Rail 40t to 45t

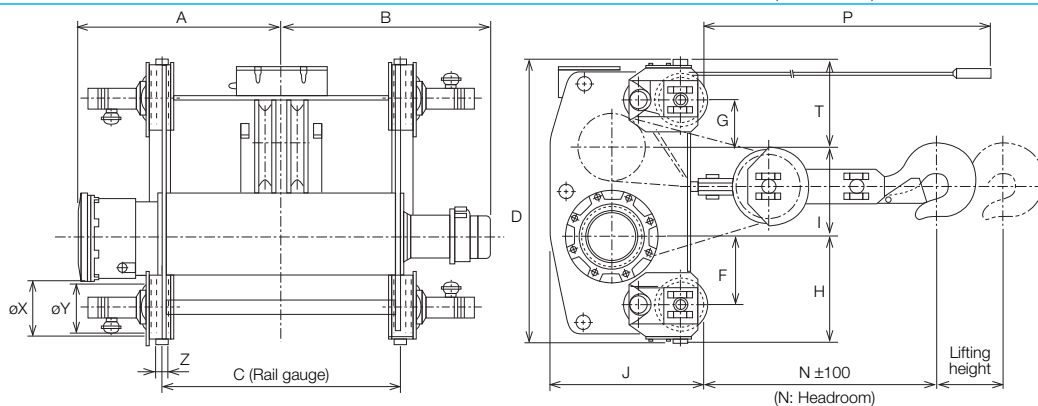
Motorized Traversing Hoist

Type
K

40 t



45 t

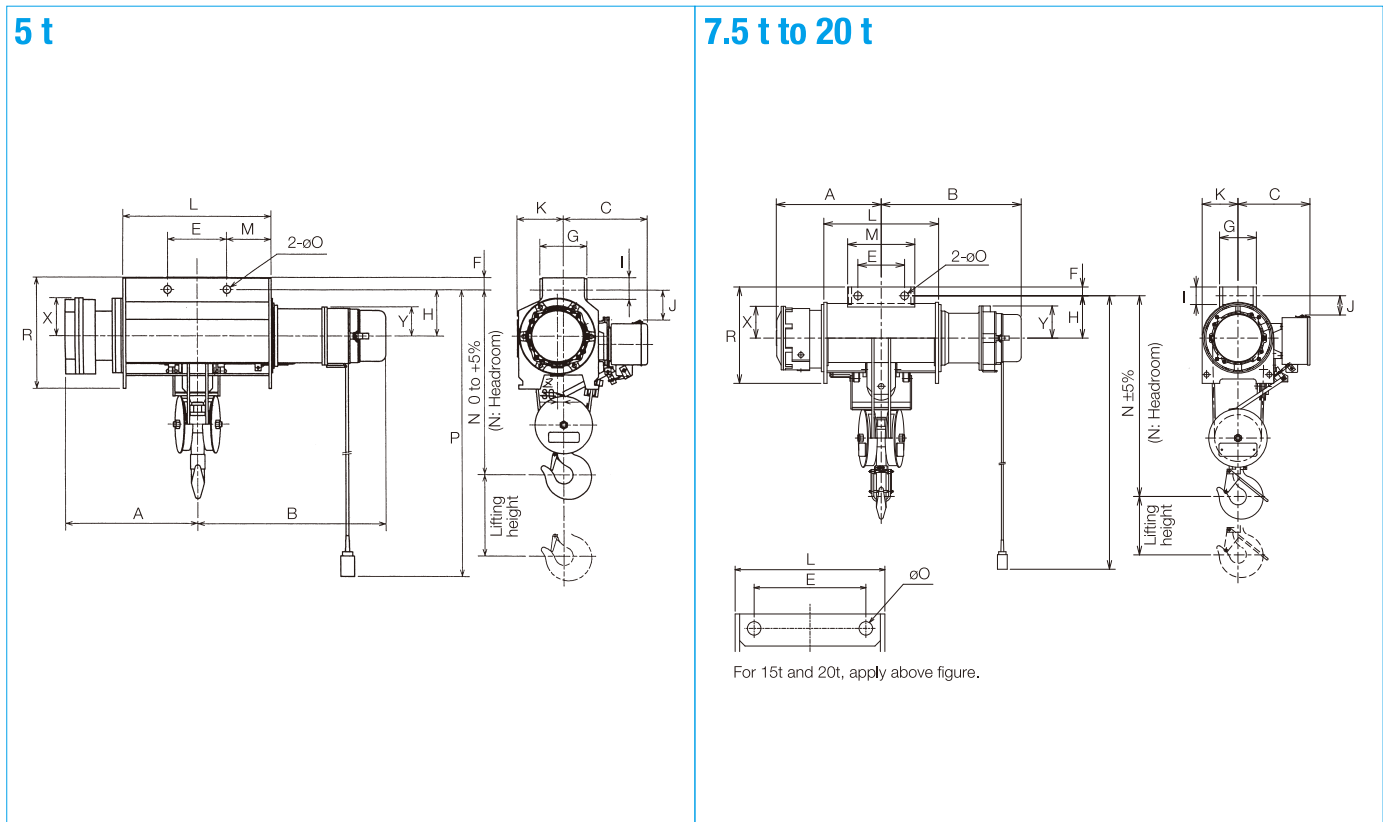


Specifications and Dimensions

Code	KR400		KR450		
	HH07	HH11	HH13	HH19	
W.L.L. (t)	40		45		
Lifting height (m)	6.5	11.5	12.5	19.0	
Hoist	Lifting speed (m/min) 50/60Hz	2.1/2.5		1.8/2.2	
	Lifting motor (kW-P) 50/60Hz	17-6/20-6			
	Wire rope	Configuration	JIS G 3525 6xFi (29) B		JIS G 3525 IWRC 6xFi (29) B
		Dia.(mm)×No.of falls	22.4×8*		25×6*
Brake	Disc brake (With brake torque adjusting mechanism)				
Trolley	Traversing speed (m/min) 50/60Hz	15/18			
	Traversing motor (kW-P) 50/60Hz	0.75-4×4/0.75-4×4			
	Brake	Disc type D.C. brake (With brake torque adjusting mechanism)			
Approximate dimensions (mm)	A	1399	1749	1490	1840
	B	1515	1865	1565	1915
	C	1700	2400	1780	2480
	D	1874		2114	
	F	287		520	
	G	287		350	
	H	681		807	
	I	619		670	
	J	930		1125	
	N	1110		1720	
	P	7500	12500	11000	16000
	T	81		637	
	X	419		419	
Y	350		350		
Z	75		75		
Approximate mass (kg)	4800	5300	6000	6500	
Hook block mass (kg)	750		760		
Applicable rail	Rail (37 kg/m) or Square rail (□65)				

* Number of wire rope falls: 40t is ø22.4×8 falls and 45t is ø25×6 falls.

Type K Suspended 5t to 20t Hoist

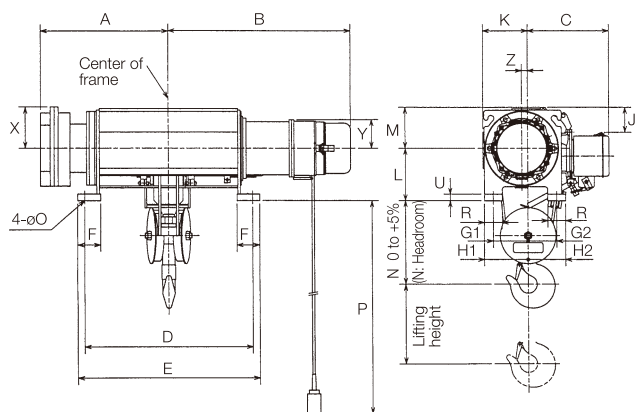


Specifications and Dimensions

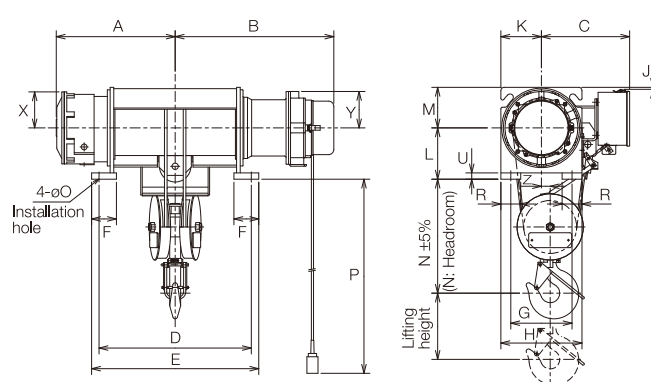
Code		KK050		KK075		KK100		KK150		KK200
		H08	H12	H08	H12	H08	H12	H08	H12	H12
W.L.L. (t)		5		7.5		10		15		20
Lifting height (m)		8	12	8	12	8	12	8	12	12
Hoist	Lifting speed (m/min) 50/60Hz	6.7/8		5.8/7		5/6		5/6		4.2/5
	Lifting motor (kW-P) 50/60Hz	6.2-4/7.5-4		8.3-4/10-4		10-6/12-6		17-6/20-6		17-6/20-6
	Wire rope	JIS G 3525 6x Fi (29) B								
	Configuration	11.2x4		14x4		16x4		20x4		22.4x4
	Disc brake (With brake torque adjusting mechanism)									
Approximate dimensions (mm)	A	646	771	669	794	719	844	799	949	999
	B	920	1045	1004	1129	959	1084	1085	1235	1235
	C	410		458		493		558		583
	E	290		300		320		620		800
	F	60	61	55		60		80		100
	G	229		252		252		225		225
	H	225		255		290		365		410
	I	105	106	120		120		178		217
	J	145		77		132		167		237
	K	226		215		245		295		320
	L	725	975	796	1046	786	1036	831	1131	1131
	M	217	342	440		460		—		—
	N	905		1165		1380		1680		1800
	O	38		47		53		78		103
	P	8000	12000	8000	12000	8000	12000	8000	12000	12000
	R	546		600		660		845		935
X	200		188		218		275		308	
Y	143		152		220		220		220	
Z	30		—		—		—		—	
Approximate mass (kg)		510	580	650	720	1000	1100	1400	1550	1900
Hook block mass (kg)		42		80		100		190		280

Stationary 5t to 30t ^{Type} **K** Hoist

5 t



7.5 t to 30 t



Specifications and Dimensions

Code		KS050		KS075		KS100		KS150		KS200	KS300	
		H08	H12	H08	H12	H08	H12	H08	H12	H12	H12	
W.L.L. (t)		5		7.5		10		15		20	30	
Lifting height (m)		8	12	8	12	8	12	8	12	12	12	
Hoist	Lifting speed (m/min) 50/60Hz	6.7/8		5.8/7		5/6		5/6		4.2/5	2.8/3.3	
	Lifting motor (kW-P) 50/60Hz	6.2-4/7.5-4		8.3-4/10-4		10-6/12-6		17-6/20-6				
	Wire rope	Configuration	JIS G 3525 6xFi (29) B									
		Dia.(mm)x No.of falls	11.2x4		14x4		16x4		20x4		22.4x4	25x4
Brake		Disc brake (With brake torque adjusting mechanism)										
Approximate dimensions (mm)	A	646	771	669	794	719	844	799	949	999	1209	
	B	920	1045	1004	1129	959	1084	1085	1235	1235	1285	
	C	410		493		533		633		663	713	
	D	850	1100	920	1170	920	1170	960	1260	1260	1380	
	E	920	1170	1010	1260	1010	1260	1080	1380	1380	1480	
	F	115		140		150		170		170	200	
	G1 (G2)	175 (145)		370		370		500		500	620	
	H2 (H2)	220 (190)		470		490		630		640	770	
	J	125		2		12		2		12	12	
	K	226		215		245		295		320	385	
	L	260		290		310		370		395	435	
	M	205		215		245		295		320	355	
	N	420		580		670		810		870	960	
	O	28		35		35		47		47	54	
	P	8000	12000	8000	12000	8000	12000	8000	12000	12000	12000	
R	90		100		120		130		140	150		
U	31		31		35		41		41	49		
X	205		188		218		275		308	320		
Y	143		152		220		220		209	209		
Z	30		50		53		70		70	80		
Approximate mass (kg)		510	580	650	720	1000	1100	1400	1550	1900	3200	
Hook block mass (kg)		42		80		100		190		280	380	

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