



Certificate NO.  
100232-2011-CE-RGC-DNV Rev.0.0

CE ISO

ELECTRIC CHAIN HOIST

ProSTAR

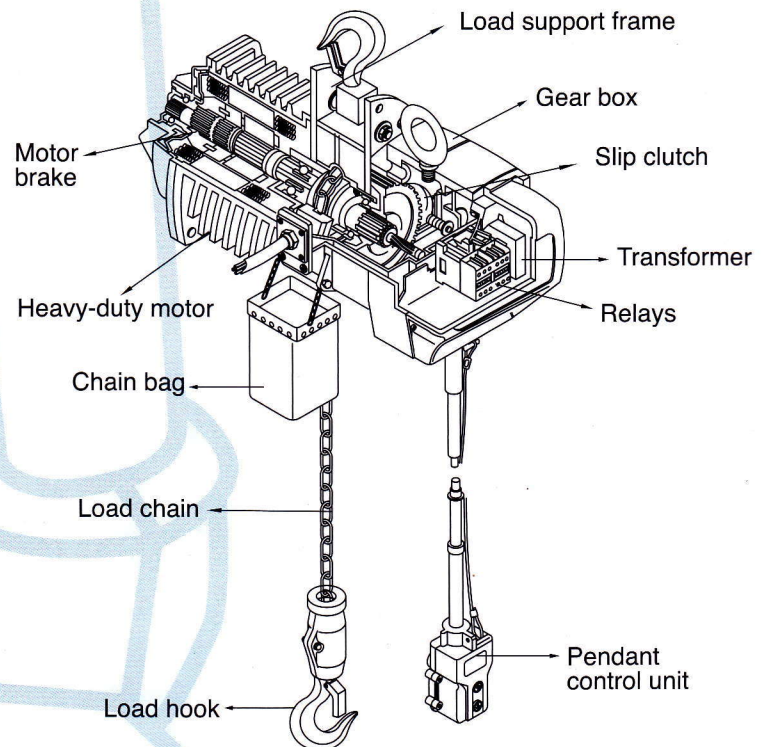


# The Best Helpmate For

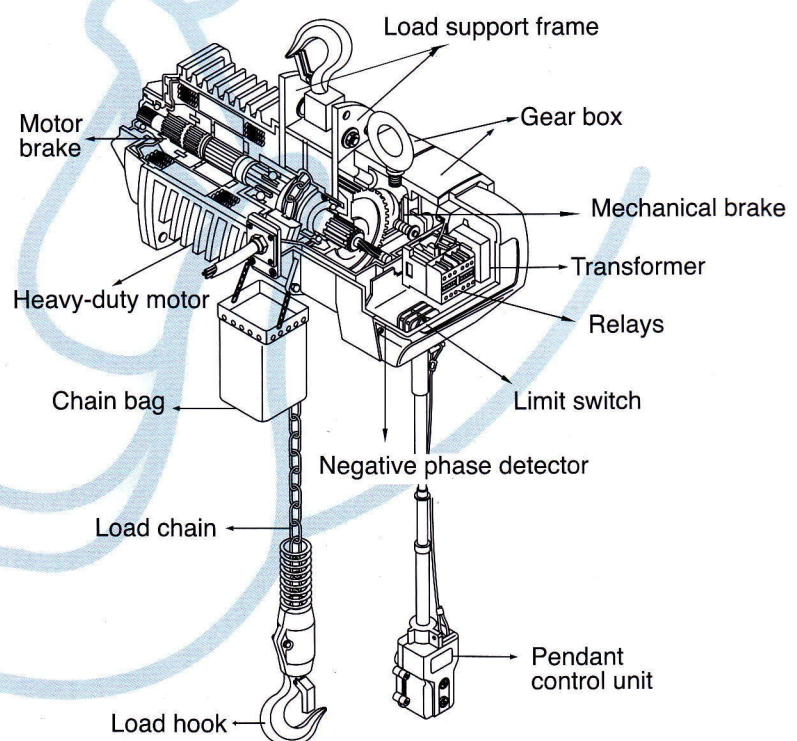
## Construction & Features

- **Capacity Range:**  
500kgs to 30 Tons
- **Power Supply:**  
220-600V 50/60HZ, 3PH  
500kgs-2 Tons:  
220-230V 50/60HZ, 1PH
- Advanced Brake System
- Super High Load Chain
- Integral Hermetic Structure
- Safety Protection Devices
- Ultra-short Design (1/2 Tons-5 Tons, Single/Dual Speed), Patented
- Mechanical brake system with overload protection device patented in Taiwan, China, USA and Germany (for **K series**)

### N series (overload slip clutch)



### S series (mechanical brake)





# Industrial Applications

## Motor Brake System

The brake function is closely connected with the motor- motor on, brake off; motor off and brake on.

## Heavy-duty Motor

- Aluminum Frame with good heat dissipation.
- Professional motors for hoists.
- Light in weight.

## Load-supporting Frame

- Constructed with two plates of S50C steel (2 Tons 1 Fall type & higher capacity)
- Chain wheel case, gear case B and load-supporting frame are constructed with one piece of FCD45 nodular cast-iron. (3 Tons 3 Falls type and lower capacity)

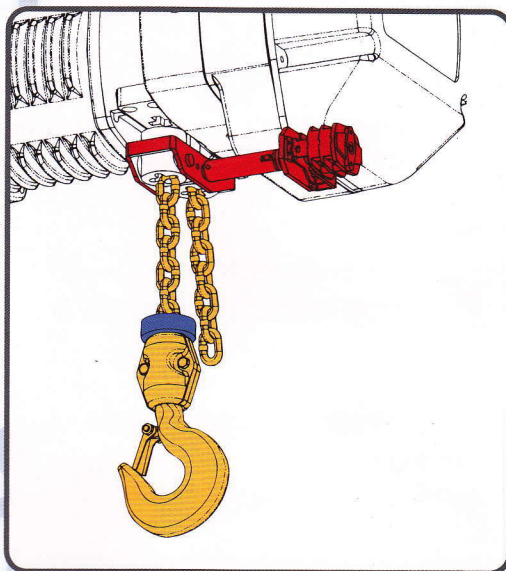
## Dust and Water Proof (IP55)

## Load Chain

Japanese-made FEC 80 super alloy steel, heat-treated chain is suitable for applications in harsh operating environments.

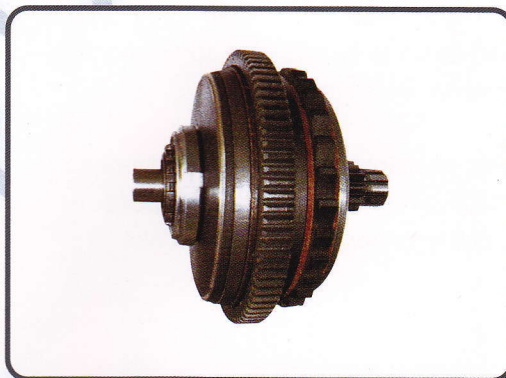
## Hook

- Hot-forged, excellent strength and toughness
- Bottom hook swivels through 360 degrees.
- Safety catches on top and bottom hooks



## Upper/Lower Limit Switch

It can protect gear device to prevent it from damage. No overwinding of chains happens.



## Mechanical Brake with Overload Slip Clutch

It assures more safety during operations. (for **K series**)

ELECTRIC CHAIN HOIST



- **Load Supporting Frame**

Chain wheel case, gear case B and load-supporting frame are constructed with one piece of FCD45 nodular cast-iron.

- **Motor brake**

Fast-acting magnetic brake (ROC New Design Patent No. 45572) cuts in when power supply is interrupted.

- **Slip Clutch**

The slip clutch well performs the functions of overload protection.

- Without limit switch and limit spring, it offers utmost lifting space.

- **48V Controller Voltage**

48V controller can prevent personnel from injury caused by current leakage of push button control unit.

- **Simple parts and less maintenance.**

- **Load Chain**

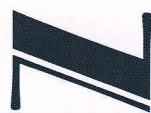
Japanese-made FEC 80 super alloy steel, heat-treated chain is suitable for applications in harsh operating environments.

- **Hook**

- Hot-forged, excellent strength and toughness
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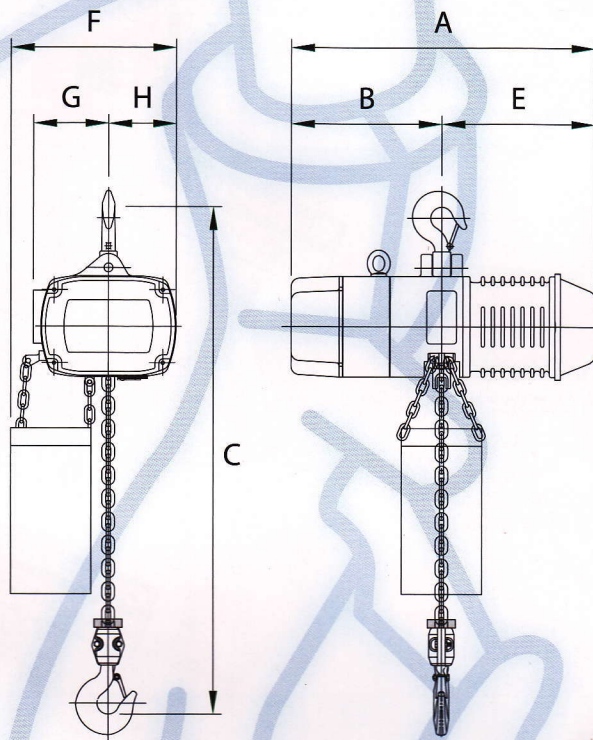




# series

## SPECIFICATIONS:

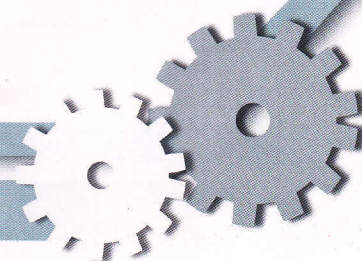
Nominal Capacity (Ton)	Model	Standard Lift(m)	Lifting Speed(m/min) 3 Phase 50HZ	Lifting Motor(KW)	Power Supply	Duty Rating%	Load Chain Dia.(mm)x Chain Falls	Single Speed	
	Single Speed		Single Speed	Single Speed				N.W.kg	G.W.kg
1	PS0100NL	3	5.3	1.5	(3Phase) 220V-600V 50HZ	40	Ø 7.1x1	52.5	58.5
	PS0100NH		6.7	1.7				54.5	60.5
2	PS0200NL		2.7	1.5			Ø 7.1x2	63	69
	PS0200NH		3.3	1.7				65.5	71.5
3	PS0300NL		1.8	1.7			Ø 7.1x3	77	90
	PS0300NH		2.2	1.7				79	92



## DIMENSIONS(mm)

Nominal Capacity (Ton)	MODEL	Min. Distance Between Hooks: C	A	B	E	F	G	H
1	PS0100NL	469	549	275	274	303	140	123
	PS0100NH							
2	PS0200NL	626				319	202	77
	PS0200NH							
3	PS0300NL	730				400	239	121
	PS0300NH							

**ELECTRIC CHAIN HOIST**





# S, K (3PH) E (1PH)

- **Load Supporting Frame**

- Constructed with two plates of S50C steel (2 Tons 1 Fall type & higher capacity)
- Chain wheel case, gear case B and load-supporting frame are constructed with one piece of FCD45 nodular cast-iron. (3 Tons 3 Falls type and lower capacity)

- **Mechanical Brake**

- Long-service, trouble-free mechanical brake, together with motor brake, provides dual braking system to assure operating safety.

- **Housing**

- The aluminum alloy motor housing is light in weight and provides good heat dissipation. Fully-enclosed design, suitable for applications in foundries, electro-plating factories...etc.

- **Negative Phase Detector**

- Motor will not run if power supply is wrongly wired.

- **48V Controller Voltage**

- 48V controller can prevent personnel from injury caused by current leakage of push button control unit.

- **Limit Switch**

- Limit switch can avoid overwinding of chains and protect gear device from damage.

- **Load Chain**

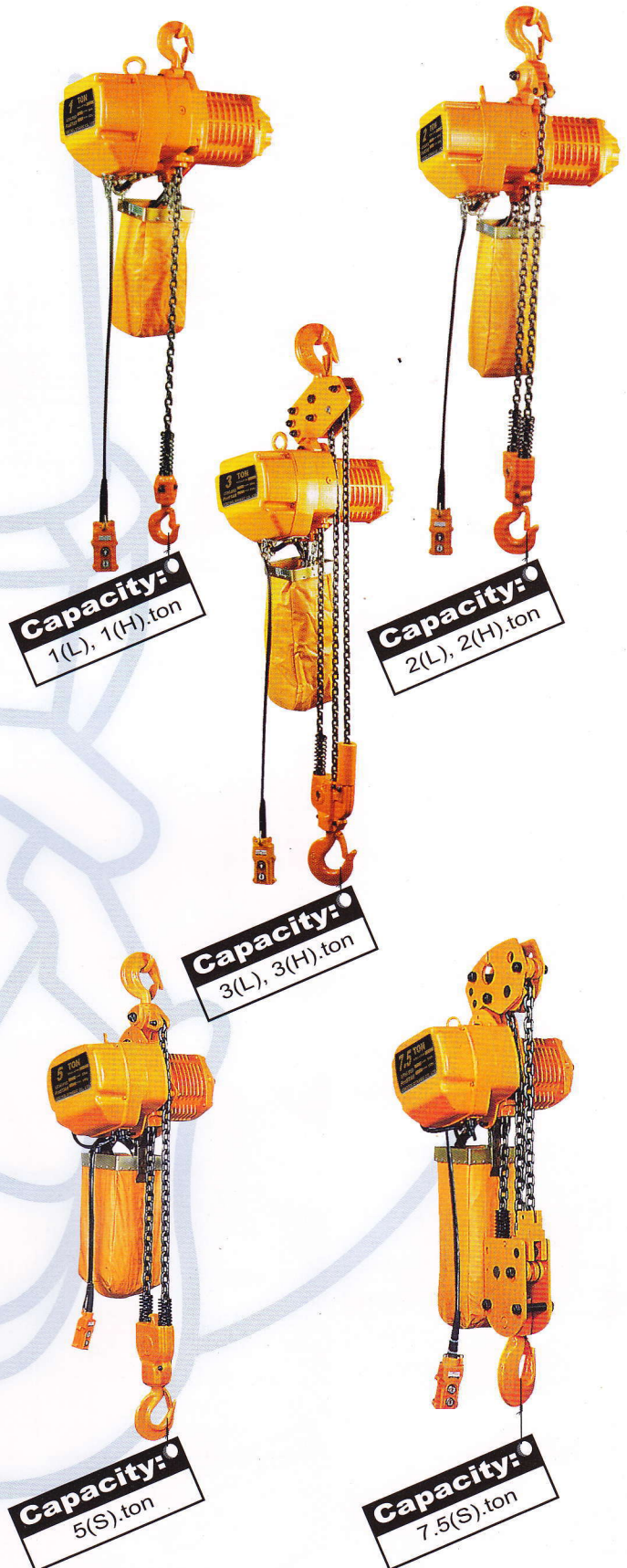
- Japanese-made FEC 80 super alloy steel, heat-treated chain is suitable for applications in harsh operating environments.

- **Hook**

- Hot-forged, excellent strength and toughness
- Bottom hook swivels through 360 degrees.
- Safety catches on top and bottom hooks

- **Mechanical Brake with Overload Slip Clutch**

- It assures the safety during operations.  
(for K series )

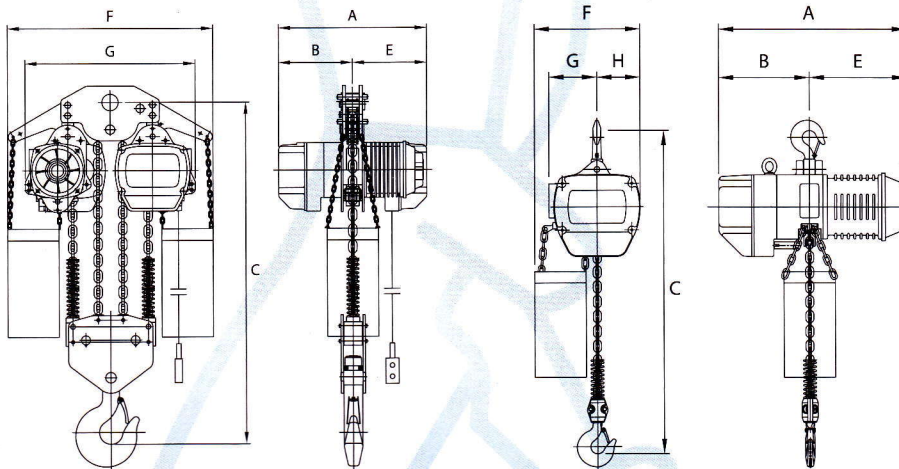




# S/K/E series

## SPECIFICATIONS:

Nominal Capacity (Ton)	Model		Standard Lift (m)	Lifting Speed (m/min)		Lifting motor (KW)		Power Supply	Duty Rating%	Load Chain Dia.(mm)x Chain Falls	Single Speed		Dual Speed	
	Single Speed	Dual Speed		50HZ		Single Speed	Dual Speed				N.W.kg	G.W.kg	N.W.kg	G.W.kg
0.5	PS0050L	PS0050LD	3	6.7	6.7/2.2	1.5	1.5/0.5	(3PHASE) 220V-600V 50HZ	40	Ø 7.1x1	58	64	63.5	69.5
	PS0050H	PS0050HD		11.3	11.3/3.8	1.7	2.2/0.7				60	66	63.5	69.5
1	PS0100L	PS0100LD		4.7	4.7/1.6	1.5	1.5/0.5				58	64	63.5	69.5
	PS0100H	PS0100HD		6.7	6.7/2.2	1.7	2.2/0.7				60	66	63.5	69.5
2	PS0200L	PS0200LD		2.3	2.3/0.8	1.5	1.5/0.5			Ø 7.1x2	70.5	76.5	75	81
	PS0200H	PS0200HD		3.3	3.3/1.1	1.7	2.2/0.7				70.5	76.5	75	81
3	PS0300L	PS0300LD		1.5	1.5/0.5	1.7	2.2/0.7			Ø 7.1x3	84.5	97.5	87.5	100.5
	PS0300H	PS0300HD		2.2	2.2/0.7	1.7	2.2/0.7				84.5	97.5	87.5	100.5
2	PS0200S/K	PS0200SD/KD		6.6	6.6/2.2	3.7	3.7/1.2			Ø 10.0x1	116.5	144.5	118	146
2.5	PS0250S/K	PS0250SD/KD		5.3	5.3/1.8					Ø 11.2x1	116	144	125	153
3	PS0300S/K	PS0300SD/KD		4.3	4.3/1.4					Ø 10.0x2	134	162	136	164
5	PS0500S/K	PS0500SD/KD		2.6	2.6/0.9					Ø 11.2x2	145	173	154	182
7.5	PS0750S/K	PS0750SD/KD		1.8	1.8/0.6	3.7X2	3.7X2/ 1.2x2			Ø 11.2x3	195	223	204	232
10	PS1000S/K	PS1000SD/KD		2.6	2.6/0.9					Ø 11.2x4	334	392	351	407
15	PS1500S/K	PS1500SD/KD		1.8	1.8/0.6					Ø 11.2x6	400	468	417	485
20	PS2000S/K	PS2000SD/KD		1.3	1.3/0.4					Ø 11.2x8	510	590	527	577
1	PS0100E	—		5.3	—	1.2	—	SINGLE PHASE 220V 230V 50HZ	15	Ø 7.1x1	63	69	—	—
2	PS0200E	—		2.7	—					Ø 7.1x2	74	81	—	—



## DIMENSIONS(mm)

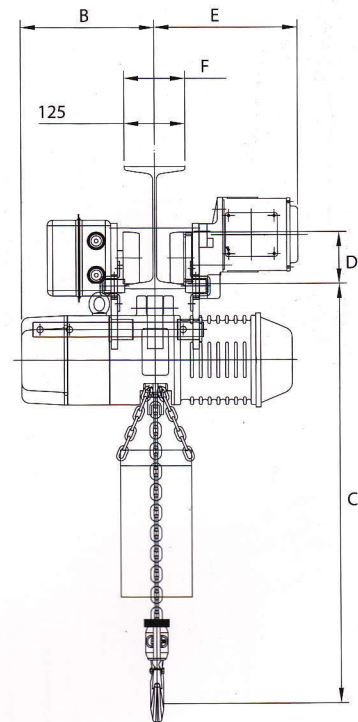
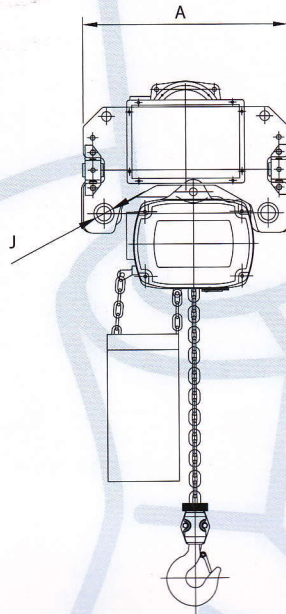
Nominal Capacity (Ton)	MODEL	Min Distance Between Hooks:		A		B		E		F	G	H
		Single Speed	Dual Speed	Single Speed	Dual Speed	Single Speed	Dual Speed	Single Speed	Dual Speed			
0.5	PS0050L(D)	588	588	535	533	261	261	299	297	303	140	123
	PS0050H(D)			538	556			277	295			
1	PS0100L(D)			535	—			299	—			
	PS0100H(D)	745	745	538	556		261	277	295	319	202	77
2	PS0200L(D)			535	—			—	—			
2	PS0200H(D)			535	—			—	—			
3	PS0300L(D)	849	849	535	533	321	321	299	297	400	239	121
3	PS0300H(D)			535	554			—	—			
2	PS0200S(D)/K(D)			625	649			304	328	426	184	162
2.5	PS0250S(D)/K(D)	823	823	625	649			306	332		260	86
3	PS0300S(D)/K(D)	944	944	627	653			304	328		271	75
5	PS0500S(D)/K(D)	966	966	625	649			304	328	547	292	175
7.5	PS0750S(D)/K(D)	972	972	625	649			304	328	890	730	—
10	PS1000S(D)/K(D)	1238	1238	642	656			321	328	1048	886	—
15	PS1500S(D)/K(D)	1392	1392	642	656			321	328	1248	1086	—
20	PS2000S(D)/K(D)	1534	1534	642	656			321	328	1248	1086	—

ELECTRIC CHAIN HOIST



- Specially designed for buildings with low ceilings, especially ULHR series.
- The limit switch is more sensitive and will turn off automatically, if too big vibrations happen during hoisting to assure operating safety. (For ULHR Series)

## Low Headroom Electric Chain Hoist(LHR series)



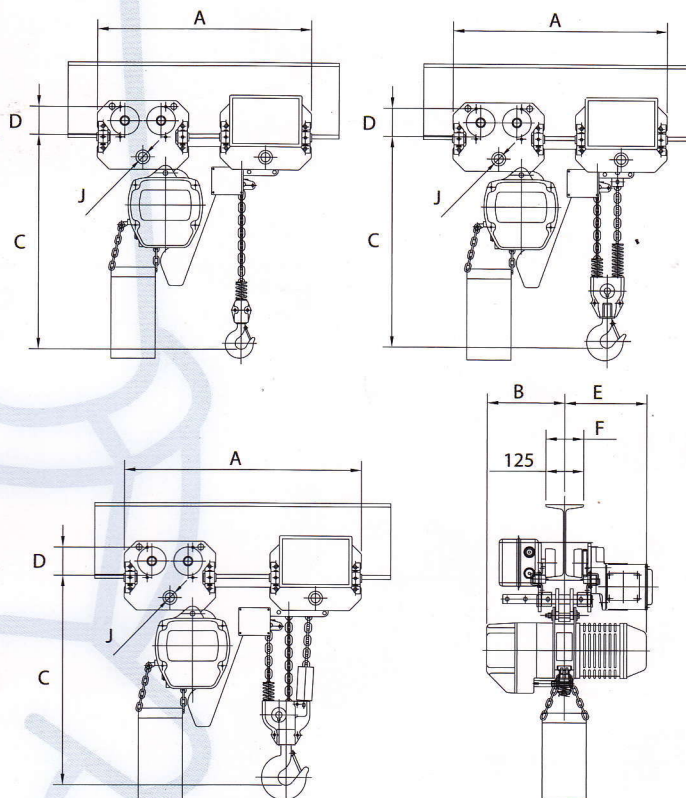
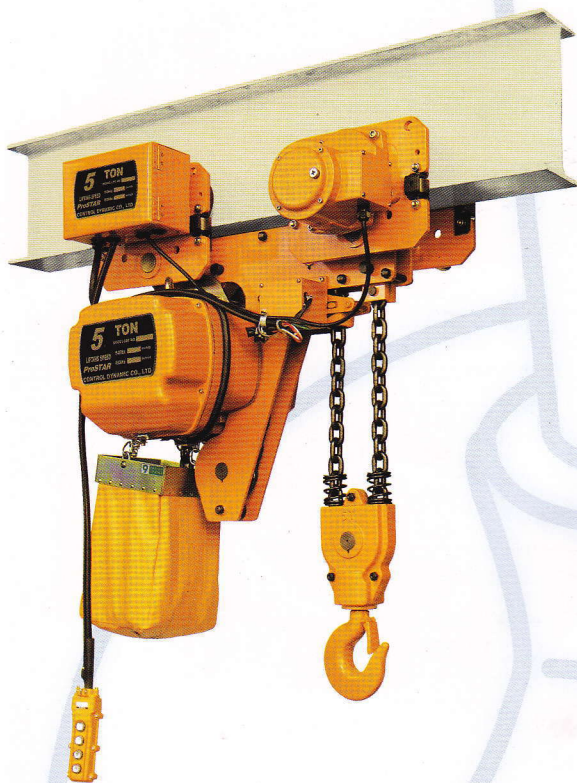
Specifications & Dimensions

Electric Chain Hoist (Lifting)								Monorail Motorized Trolley (Travelling)																			
Nominal Capacity (Ton)	Series		Lifting Speed (m/min)		Lifting Motor (KW)		Load Chain Dia. (mm)x Chain Falls	Travelling Speed (m/min)			Travelling Motor (KW)			Minimum Radius For Curve (mm)	Flange Width (mm)	Minimum Headroom (mm)	Dimensions (mm)										
			3 phase 50HZ		Single speed	Dual speed		4P	6P	2P/6P	4P	6P	2P/6P				F	C	A	B	D	E	J				
	Single speed	Dual speed																									
1	NL	—	4.7	—	1.5	—	Ø7.1x1	18.75	12.5	20/6.6	0.4	0.3	0.4/0.13	1500	75-175	408	420	262	106	288	30						
	NH	—	6.7	—	1.7	—										477											
	L	LD	4.7	4.7/1.6	1.5	1.5/0.5										482											
	H	HD	6.7	6.7/2.2	1.7	2.2/0.7																					
2	NL	—	2.3	—	1.5	—	Ø7.1x2								75-200	551	440	262	106	288	35						
	NH	—	3.3	—	1.7	—										482											
	L	LD	2.3	2.3/0.8	1.5	1.5/0.5																					
	H	HD	3.3	3.3/1.1	1.7	2.2/0.7																					
3	NL	—	1.5	—	1.7	—	Ø7.1x3							1800							100-200	525	525	262	106	288	35
	NH	—	2.2	—	1.7	—																594					
	L	LD	1.5	1.5/0.5	1.7	2.2/0.7																649					
	H	HD	2.2	2.2/0.7	1.7	2.2/0.7																703					
2	S/K	SD/KD	6.6	6.6/2.2	3.7	3.7/1.2	Ø10.0x1							768	510	320	125	327	38								
2.5			5.3	5.3/1.8			Ø11.2x1							799													
3			4.3	4.3/1.4			Ø10.0x2							768													
5			2.6	2.6/0.9			Ø11.2x2				0.75	0.6	0.75/0.25	799													

\*Under the same rated capacity, you can match electric chain hoists with monorail motorized trolleys freely.



## Ultra Low Headroom Electric Chain Hoist (ULHR series)



Specifications & Dimensions

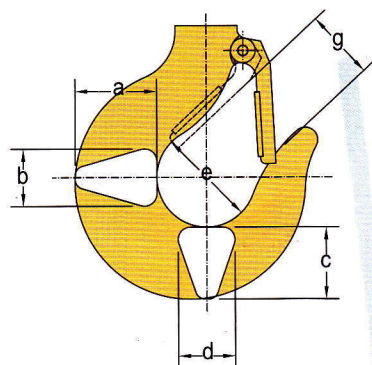
Electric Chain Hoist (Lifting)							Monorail Motorized Trolley (Travelling)																				
Nominal Capacity (Ton)	Series		Lifting Speed (m/min)		Lifting Motor (KW)		Load Chain Dia. (mm)x Chain Falls	Travelling Speed (m/min)			Travelling Motor (KW)			Flange Width (mm)	Minimum Headroom (mm)	Dimensions (mm)											
			3 phase 50HZ					3 phase 50HZ																			
	Single speed	Dual speed	Single speed	Dual speed	Single speed	Dual speed		4P	6P	2P/6P	4P	6P	2P/6P	F	C	A	B	D	E	J							
1	NL	—	4.7	—	1.5	—	Ø7.1x1	18.75	12.5	20/6.6	0.4	0.3	0.4/0.13	100-175	308	706	262	94	288	30							
	NH	—	6.7	—	1.7	—									389												
	L	LD	4.7	4.7/1.6	1.5	1.5/0.5									407												
	H	HD	6.7	6.7/2.2	1.7	2.2/0.7									463												
2	NL	—	2.3	—	1.5	—	Ø7.1x2														125-175	407	706	262	94	288	30
	NH	—	3.3	—	1.7	—																463					
	L	LD	2.3	2.3/0.8	1.5	1.5/0.5																518					
	H	HD	3.3	3.3/1.1	1.7	2.2/0.7																553					
3	NL	—	1.5	—	1.7	—	Ø7.1x3														150-175	425	782	262	106	288	30
	NH	—	2.2	—	1.7	—																456					
	L	LD	1.5	1.5/0.5	1.7	2.2/0.7																518					
	H	HD	2.2	2.2/0.7	1.7	2.2/0.7																553					
2	S/K	SD/KD	6.6	6.6/2.2	3.7	3.7/1.2	Ø10.0x1															518	830	320	94	327	38
2.5			5.3	5.3/1.8			Ø11.2x1															553					
3			4.3	4.3/1.4			Ø10.0x2															620					
5			2.6	2.6/0.9			Ø11.2x2				0.75	0.6	0.75/0.25								150-175	649					

\*Under the same rated capacity, you can match electric chain hoists with monorail motorized trolleys freely.



# CHAIN HOOKS

## series



### HOOKS

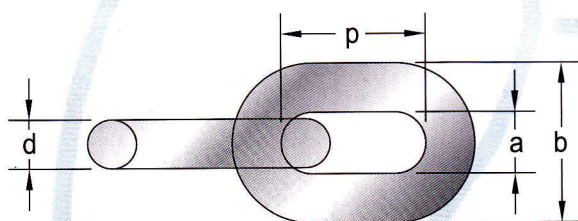
Hot forged, excellent strength and toughness.

Bottom hook swivels through 360 degrees. Safety catches on top and bottom hooks.

### DIMENSIONS(mm)

CAPACITY (Ton)	T/B	a	b	c	d	e	g
0.5, 1	T&B	33	23	29	23	40	29
2	T&B	45	31	41	31	46	37
3	T&B	55	34	48	34	52	40
5	T&B	67	45	60	45	62	46
7.5	T&B	85	60	78	60	80	55
10	T&B	100	70	95	65	100	64
15	T&B	120	87	110	85	120	82

T...TOP HOOK B...BOTTOM HOOK



### CHAIN

Japanese-made FEC 80 super alloy steel, heat-treated chain is suitable for applications in harsh operating environments.

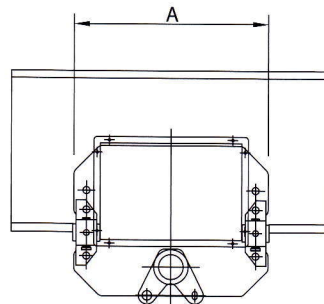
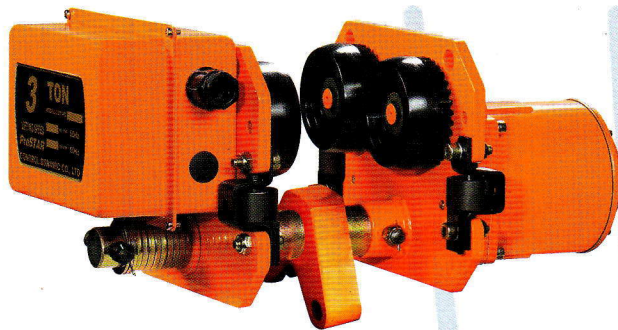
### DIMENSIONS(mm)

Hoist Capacity (Ton)	Series		d Trade Size(mm)	a Inside Width(mm)	b Outside Width(mm)	p Inside Length(mm)	Weight Per Meter (Kg/m)	Working Load Limit(Kgf)	Proof Load (Kgf)	Breaking Load (Kgf)
	Single speed	Dual speed								
0.5	L	LD	7.1	8.9	23.6	21.0	1.1	1600	3150	6300
	H	HD								
1	NL	—								
	NH	—								
	L	LD								
	H	HD								
2	E	—								
	NL	—								
	NH	—								
	L	LD								
3	H	HD								
	NL	—								
	NH	—								
	L	LD								
2	H	HD								
	NL	—								
	NH	—								
	L	LD								
2.5	S/K	SD/KD	10.0	12.5	33.2	30.0	2.18	3150	6300	12500
5			11.2	14.0	37.2	34.0	2.73	4000	8000	16000
7.5										
10										

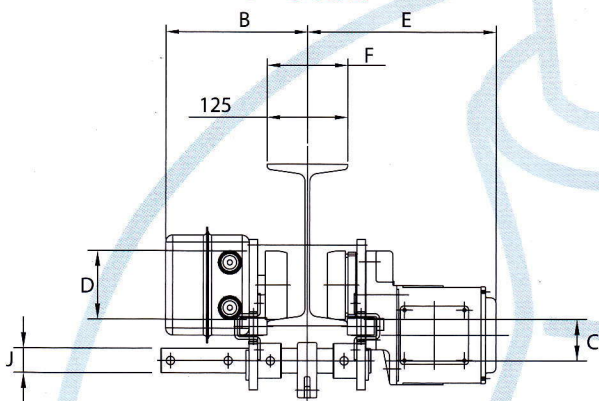


# Trolley series

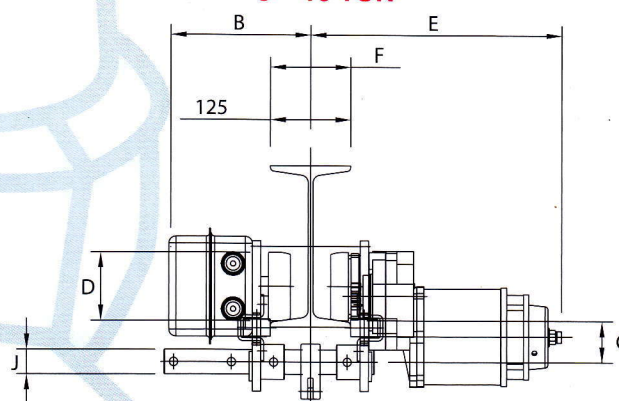
## Monorail Motorized Trolley



1 ~ 3 TON



5 ~ 10 TON



### Specifications & Dimensions

Nominal Capacity (Ton)	Model	Travelling Speed (m/min)			Travelling Motor (KW)			Flange Width (mm)	Minimum Radius For Curve (mm)	Dimensions (mm)							
		3 phase 50HZ															
		Single speed		Dual speed	Single speed		Dual speed										
		4P	6P	2/6P	4P	6P	2/6P										
1	PSM0100L	—	12.5	—	—	0.3	—	75-175	800	300	218	73	118	291	38		
	PSM0100H	18.75	—	—	0.4	—	—						94		30		
	PSM0100D	—	—	20/6.6	—	—	0.4/0.13						118		38		
2	PSM0200L	—	12.5	—	—	0.3	—		1000	302	221	64	118	294		38	
	PSM0200H	18.75	—	—	0.4	—	—						106				
	PSM0200D	—	—	20/6.6	—	—	0.4/0.13						118				
3	PSM0300L	—	12.5	—	—	0.3	—	125-200	1000	325	221	76	125	294	45		
	PSM0300H	18.75	—	—	0.4	—	—						118				
	PSM0300D	—	—	20/6.6	—	—	0.4/0.13										
Ton	Model	4P	6P	4/12P	4P	6P	4/12P		F	—	A	B	C	D	E	J	
5	PSM0500L	—	12.5	—	—	0.6	—		150-200	1500	400	228	94	139	409	55	
	PSM0500H	18.75	—	—	0.75	—	—										
	PSM0500D	—	—	18.75/6.25	—	—	0.66/0.22										
7.5	PSM0750L	—	12.5	—	—	0.6	—	150-300		2000	445	231	105	169	412	70	
	PSM0750H	18.75	—	—	0.75	—	—										
	PSM0750D	—	—	18.75/6.25	—	—	0.66/0.22										
10	PSM1000L	—	12.5	—	—	0.6	—		75-175	800	300	218	73	94	359	30	
	PSM1000H	18.75	—	—	0.75	—	—										
	PSM1000D	—	—	18.75/6.25	—	—	0.66/0.22										
Single Phase																	
1	PSM0100E	18.75	—	—	0.4	—	—	75-175		1000	302	221	64	106	357	38	
2	PSM0200E	18.75	—	—	0.4	—	—			800	300	218	73	94	359	30	

ELECTRIC CHAIN HOIST