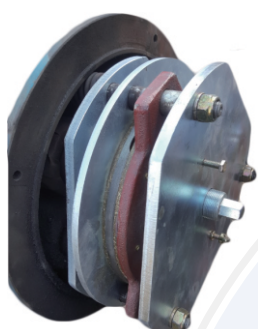


TECHNICAL GUIDE



Korea Crane Engineering

HOIST & CRANE





From the very first contact to one part, our team has the complete range of services tailored for you.

Korea Crane Engineering is best known for its ability to custom build products to meet the specific needs of each application.

We are made up of veterans with years of experience in this field, hoist and crane.

We are constantly updated with the latest market products, solutions and technologies, enabling us to provide solutions to suit all varieties of industrial lifting and handling systems.

Based upon your lifting requirement and budget, we can offer either economical packaged equipment or custom engineered overhead lifting equipment.

We are experts in applying the correct engineered equipment for your company's specific application.

Through analyzing customer's request, we are trying to do our best to provide the best result.

It has the expertise to address customers' lifting needs by providing solutions adapted to their particular situation.

Our sales and technical team will always provide quotation and information on the most appropriate and technically correct solution from our products to suit your purpose.

Korea Crane Engineering promises to provide the best service and product with customers.

- **KCE remains true to its principles.**
- **KCE does not deceive the quality as showing the lower and cheaper price.**



Electric Wire Rope Hoist

ELECTRIC WIRE ROPE HOIST(2ton~70ton)



Hoist Classification	FEM(2m) / ISO(M5)
Hoist Motor	Class B insulated, 30min rated, thermally protected and totally enclosed
Standard Capacity	2ton ~ 70ton
Specification	Motor is class B insulated, thermally protected and trolley enclosed
Hoist Type	Foot Mounted, Mono-rail, Double rail, Low Head, Main/Aux
Speed Type	Single, Creep, Inverter
Ambient Temperature	-10℃ ~ +45℃
Power Supply	AC three phases 220 ~ 480V, 50/60Hz
Utilization Factor (%ED)	30min rated(40% ED)
Coating Color	Hoist Body - Munsell no. 10B 3/5 Bottom Block - Munsell no. 8.1YR 7.6/15.2 Load Block - Munsell no. 8.1YR 7.6/15.2 Trolley - Munsell no. 10B 3/5



Korea Crane Engineering remains true to its principles self-rendering of all parts



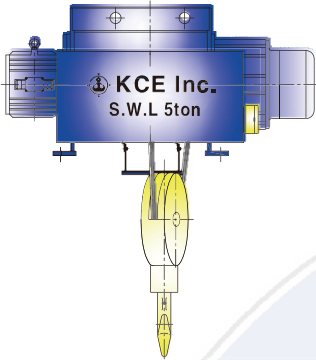
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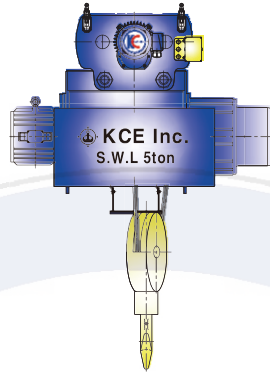


Electric Wire Rope Hoist

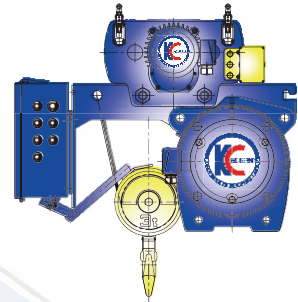
• Foot Mounted Type



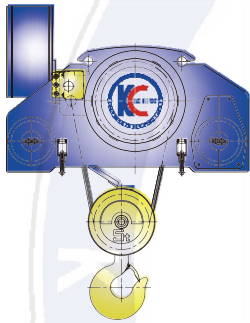
• Mono-Rail Type



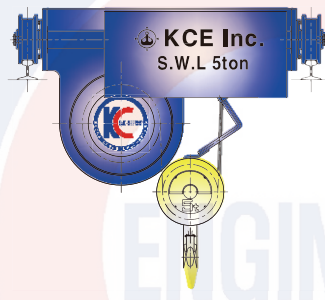
• Low Head Type



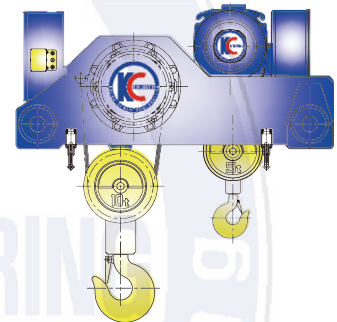
• Double Rail Type



• Double Low Head Type



• Main & Aux Type



- Explanation of the type designation

□ □ - □ - H □ - □

Hoist Type ▶

Rated Load(ton) ▶

Hoisting Speed ▶

Lift(m) ▶

Inverter ▶

- Foot Mounted Type ----- NF

- Mono-Rail Type ----- N

- Low Head Type ----- NL

- Double Rail Type ----- D

- Double Low Head Type ----- DL

- Main & Aux Type ----- MA

- Mono-Rail Type ----- 1, 2, 3, 5, 7.5, 10, 15, 20

- Low Head Type ----- 1, 2, 3, 5, 7.5

- Double Rail Type ----- 2, 3, 5, 7.5, 10, 15, 20, 25, 30, 35, 40, 50, 60, 70

- Double Low Head Type ----- 2, 3, 5, 7.5, 10, 15, 20

- Normal Speed(Single Speed) ----- N

- Creep Speed(Dual Speed) ----- C

- Mono-Rail Type ----- 6, 9, 12, 18, 24, 30

- Low Head Type ----- 6, 9, 12

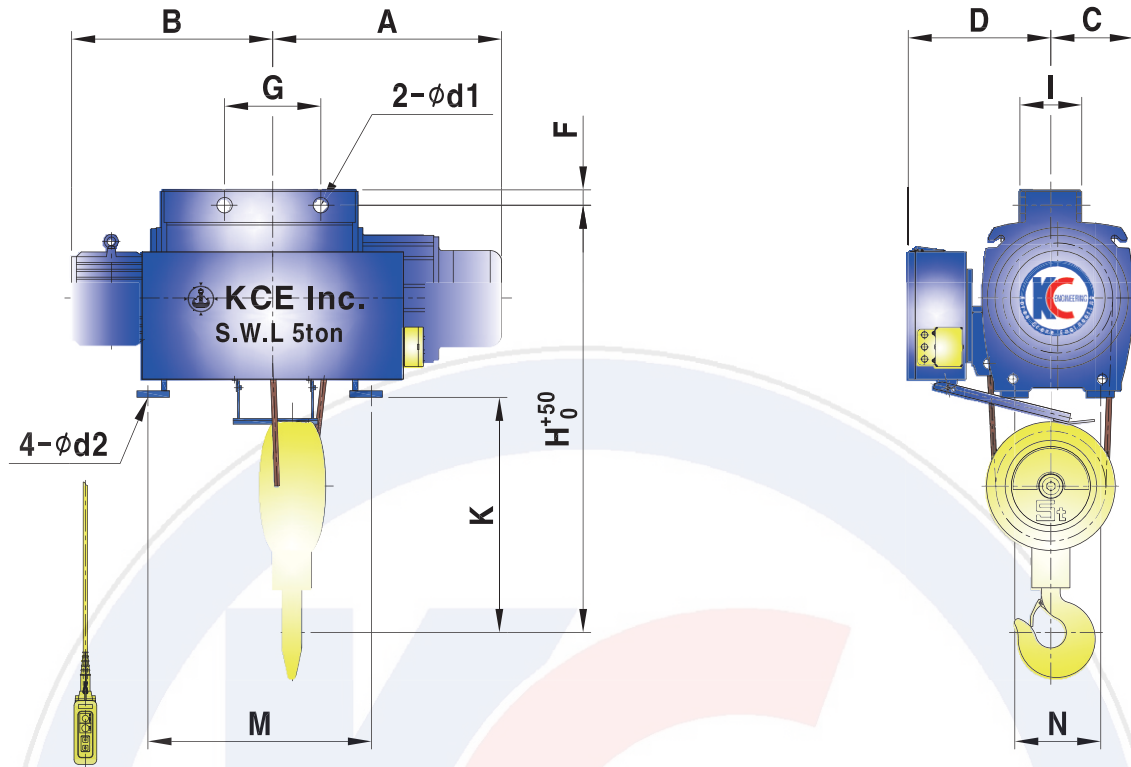
- Double Rail Type ----- 12, 18, 24, 30

- Double Low Head Type ----- 6, 9, 12, 18, 24

- Hoisting Inverter ----- IC-H

- Travers Inverter ----- IC-T

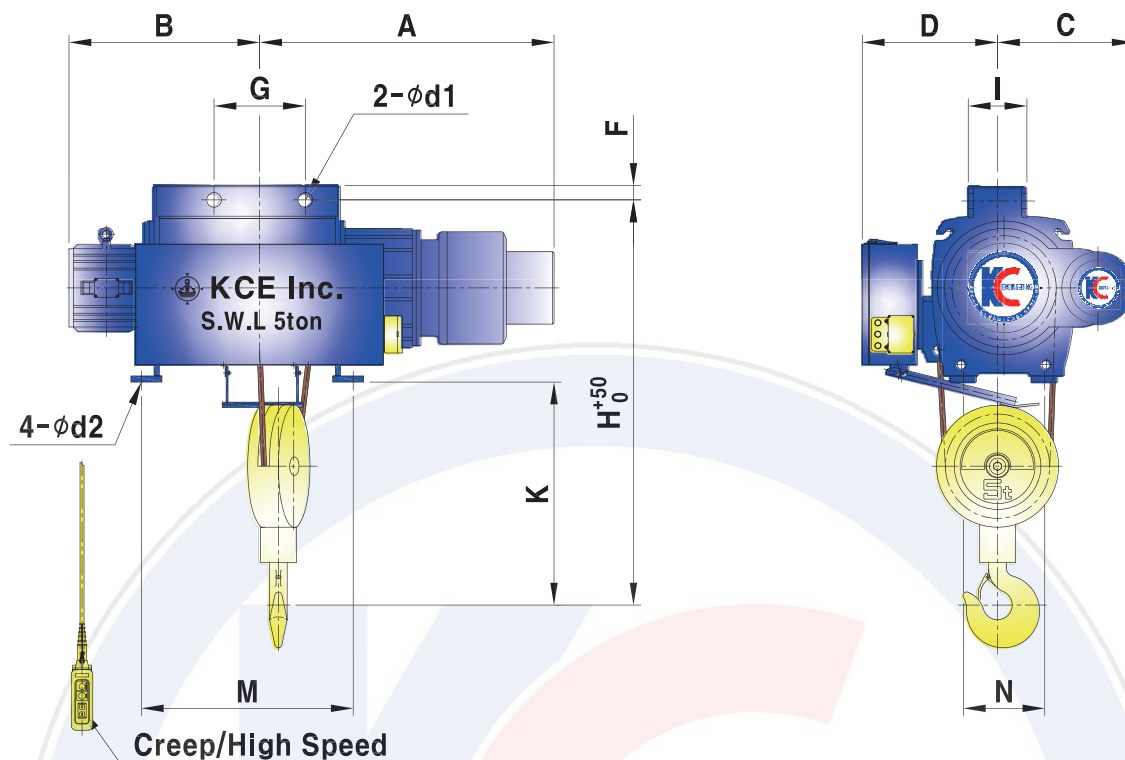
- Hoisting/Travers Inverter ----- IC



Capacity (ton)			1	2	3	5	7.5	10	15	20
Model No.			NF01-N-H06	NF02-N-H06	NF03-N-H06	NF05-N-H06	NF075-N-H12	NF10-N-H12	NF15-N-H12	NF20-N-H12
Hoisting	Lift Height (m)		6 (12)	6 (12)	6 (12)	6 (12)	12	12	12	12
	Speed (m/min)	High 50/60 (Hz)	10/12	8.4/10	7.5/9	4.7/5.6	3.1/3.8	3.7/4.5	3.7/4.5	3.5/4.2
		Low 50/60 (Hz)	5/6	4.2/5	3.7/4.5	3.5/4.2	2.3/2.8	2.5/3	2.5/3	2.3/2.8
	Motor (kWxP)	High	2.4x4	3.7x4	5.5x4	5.5x6	5.5x6	9x8	13x8	17x8
		Low	1.2x8	1.8x8	2.8x8	4.2x8	4.2x8	6x12	8.5x12	11.5x12
	Wire Rope [Φx Falls]	Construction	6x37	6x37	6x37	6x37	6x37	6x37	6x37	6x37
		Dia.(mm) x No. of ropes	8x2	10x2	12.5x2	16x2	14x4	16x4	20x4	22.4x4
Brake		DC Magnet Disc Brake								
Dimension (approx.) (mm)	H	750	920	1060	1245	1270	1330	1660	1900	
	A	405 (505)	465 (565)	520 (620)	605 (705)	925	975	1075	1165	
	B	380 (480)	410 (510)	440 (540)	500 (585)	835	955	1005	1220	
	C	170	205	210	250	300	330	370	400	
	D	275	310	365	415	480	510	620	640	
	F	28	34	30	45	50	50	65	65	
	G	160	200	200	280	800	800	800	850	
	I	112	150	150	180	232	232	272	272	
	K	360	470	560	690	720	740	965	1150	
	M	350 (550)	350 (550)	364 (564)	450 (650)	1100	1100	1150	1250	
	N	150	200	200	250	400	400	500	500	
	d1	26	33	33	47	47	47	63	63	
	d2	17	17	17	17	25	25	25	25	
Weight (approx.) (kg)		160 (170)	204 (240)	300 (350)	460 (525)	700	1000	1500	1900	

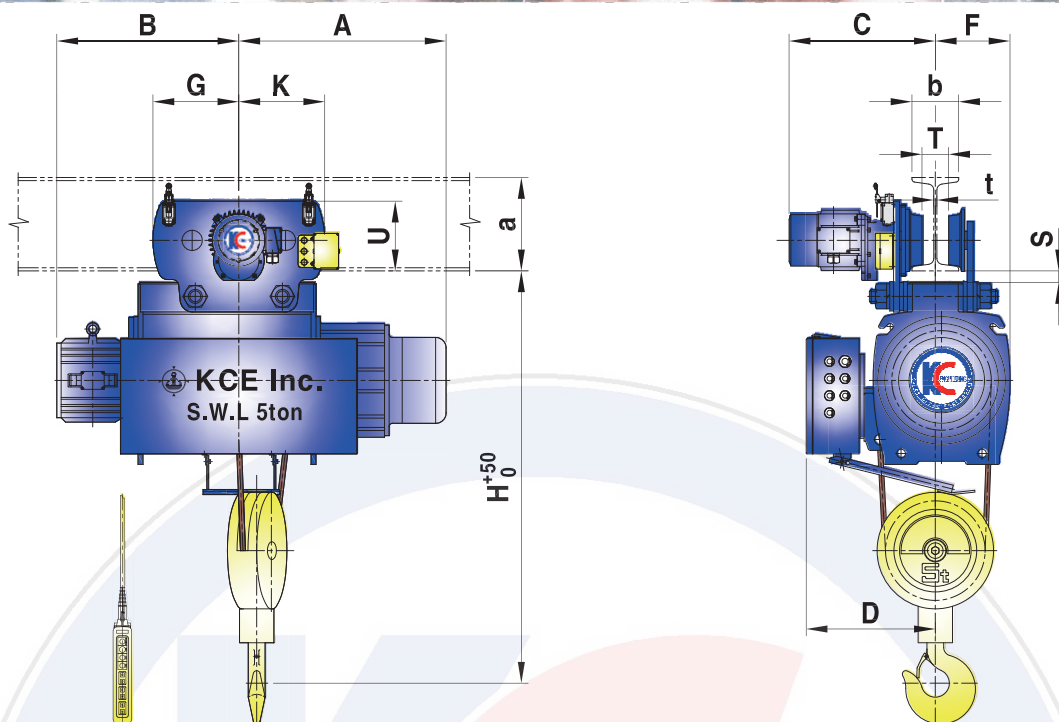
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Foot Mounted Type Hoist (Creep)



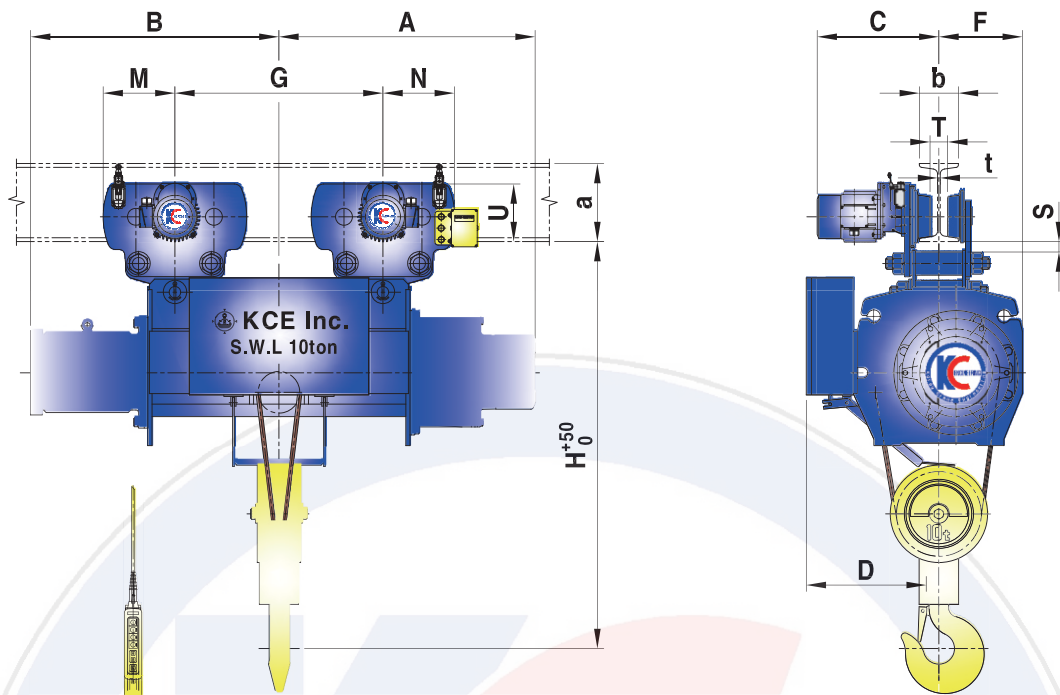
Capacity (ton)			1	2	3	5	7.5	10	15	20
Model No.			NF01-C-H06	NF02-C-H06	NF03-C-H06	NF05-C-H06	NF075-C-H12	NF10-C-H12	NF15-C-H12	NF20-C-H12
Hoisting	Lift Height (m)		6 (12)	6 (12)	6 (12)	6 (12)	12	12	12	12
	Speed (m/min)	50 (Hz)	10/1	8.4/0.84	7.5/0.75	4.7/0.47	3.1/0.31	3.7/0.37	3.7/0.37	3.5/0.35
		60 (Hz)	12/1.2	10/1	9/0.9	5.6/0.56	3.8/0.38	4.5/0.45	4.5/0.45	4.2/0.42
	Motor (kWxP)		2.4/0.4x4	3.7/0.4x4	5.5/1.1x4	5.5/1x6	5.5/1x6	9/1.1x8	13/1.8x8	17/1.8x8
	Wire Rope [Φ xFalls]	Construction	6x37	6x37	6x37	6x37	6x37	6x37	6x37	6x37
		Dia.(mm) x No. of ropes	8x2	10x2	12.5x2	16x2	14x4	16x4	20x4	22.4x4
	Brake		DC Magnet Disc Brake							
Dimension (approx.) (mm)	H	750	920	1060	1245	1270	1330	1660	1900	
	A	580 (680)	620 (720)	740 (840)	840 (940)	1170	1230	1365	1460	
	B	380 (480)	410 (510)	440 (540)	500 (585)	835	955	1005	1220	
	C	330	370	375	430	465	525	575	621	
	D	275	310	365	415	480	510	620	640	
	F	28	34	30	45	50	50	65	65	
	G	160	200	200	280	800	800	800	850	
	I	112	150	150	180	232	232	272	272	
	K	360	470	560	690	720	740	965	1150	
	M	350 (550)	350 (550)	364 (564)	450 (650)	1100	1100	1150	1250	
	N	150	200	200	250	400	400	500	500	
	d1	26	33	33	47	47	47	63	63	
	d2	17	17	17	17	25	25	25	25	
Weight (approx.) (kg)			195 (225)	246 (282)	330 (370)	518 (585)	760	1080	1680	1950

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Capacity (ton)			1					2					3					5				
Model No.			N01-N-H06(12)					N02-N-H06(12)					N03-N-H06(12)					N05-N-H06(12)				
Hoisting	Lift Height (m)		6 (12)					6 (12)					6 (12)					6 (12)				
	Speed (m/min)	High 50/60 (Hz)	10/12					8.4/10					7.5/9					4.7/5.6				
		Low 50/60 (Hz)	5/6					4.2/5					3.7/4.5					3.5/4.2				
	Motor (kWxP)	High	2.4x4					3.7x4					5.5x4					5.5x6				
		Low	1.2x8					1.8x8					2.8x8					4.2x8				
	Wire Rope [ϕ xFalls]	Construction	6x37					6x37					6x37					6x37				
Dia.(mm) x No. of ropes		8x2					10x2					12.5x2					16x2					
Brake			DC Magnet Disc Brake																			
Traversing	Speed (m/min)	High 50/60 (Hz)	20/24					20/24					20/24					20/24				
		Low 50/60 (Hz)	13/16					13/16					13/16					13/16				
	Motor (kWxP)	High	0.4x4					0.75x4					0.75x4					0.75x4				
		Low	0.2x6					0.5x6					0.5x6					0.5x6				
Dimension (approx.) (mm)	H		815					980					1115					1325				
	A		405 (505)					465 (565)					520 (620)					605 (705)				
	B		380 (480)					410 (510)					440 (540)					500 (585)				
	D		275					310					365					415				
	G		255					260					260					275				
	K		200					225					225					275				
I-beam and spacing (mm)	a x b x t		C	F	S	T	U	C	F	S	T	U	C	F	S	T	U	C	F	S	T	U
	200x100x7		385	170	38	46	144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	250x125x7.5		395	170	30	71	153	445	205	24	71	182	445	210	23	71	182	455	250	39	61	222
	300x150x10		410	170	28	96	155	460	205	24	96	182	460	210	23	96	182	465	250	37	86	224
	450x175x13		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	480	250	34	111	228
Min. Radius of Curvature (m)			1.5					1.8					1.8					2.3				
Weight (approx.) (kg)			190 (218)					278 (314)					374 (418)					577 (642)				
Note : Dimensions of i-beam in sections are standard ones. Other I-beam size also can be used by changing spacers.																						

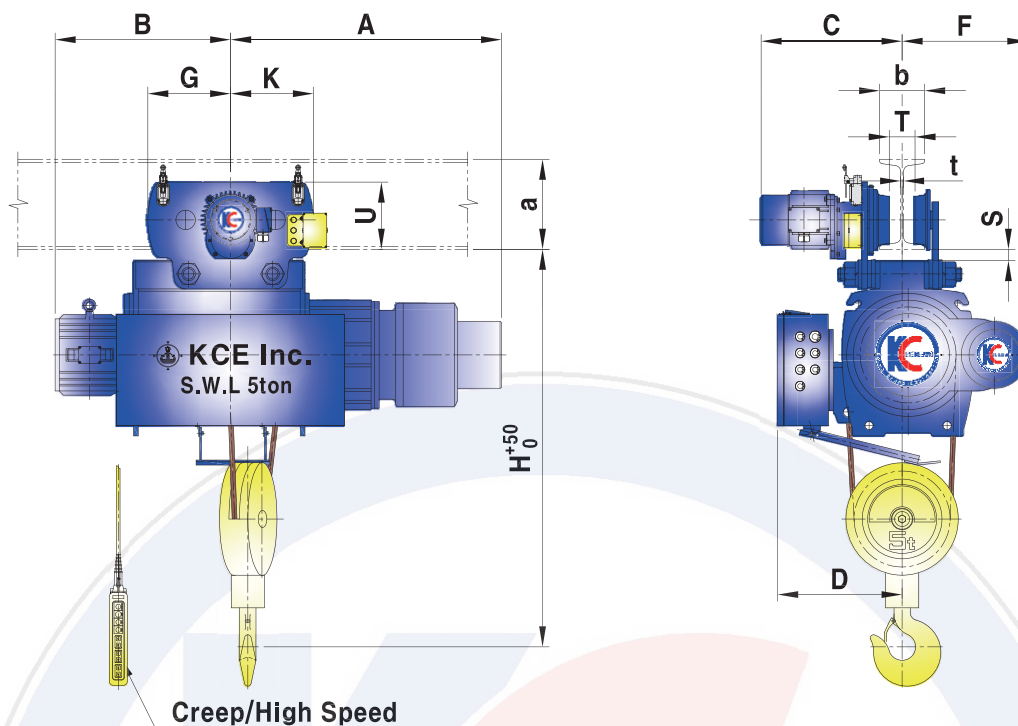
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Capacity (ton)			7.5					10					15					20						
Model No.			N075-N-H12					N10-N-H12					N15-N-H12					N20-N-H12						
Hoisting	Lift Height (m)		12					12					12					12						
	Speed (m/min)	High 50/60 (Hz)	3.1/3.8					3.7/4.5					3.7/4.5					3.5/4.2						
		Low 50/60 (Hz)	2.3/2.8					2.5/3					2.5/3					2.3/2.8						
	Motor (kWxP)	High	5.5x6					9x8					13x8					17x8						
		Low	4.2x8					6x12					8.5x12					11.5x12						
	Wire Rope [Φ x Falls]	Construction	6x37					6x37					6x37					6x37						
		Dia.(mm) x No. of ropes	14x4					16x4					20x4					22.4x4						
Brake		DC Magnet Disc Brake																						
Traversing	Speed (m/min)	High 50/60 (Hz)	12.5/15					12.5/15					12.5/15					12.5/15						
		Low 50/60 (Hz)	8.3/10					8.3/10					8.3/10					8.3/10						
	Motor (kWxP)	High	0.75x4 (2unit)					0.75x4 (2unit)					1.5x4 (2unit)					1.5x4 (2unit)						
		Low	0.5x6 (2unit)					0.5x6 (2unit)					1x6 (2unit)					1x6 (2unit)						
Dimension (approx.) (mm)		H	1460					1520					1875					2115						
		A	925					975					1075					1165						
		B	835					955					1005					1220						
		D	480					510					620					640						
		G	800					800					800					850						
		M	276					276					300					300						
		N	276					276					300					300						
I-beam and spacing (mm)		a x b x t	C	F	S	T	U	C	F	S	T	U	C	F	S	T	U	C	F	S	T	U		
		300x150x10	500	300	35	68	224	485	330	35	68	224	-	-	-	-	-	-	-	-	-	-	-	
		450x175x13	510	300	30	93	228	490	330	30	93	228	580	370	32	77	248	580	400	32	77	248		
		600x190x13	520	300	25	118	232	495	330	25	118	232	590	370	32	92	248	590	400	32	92	248		
Min. Radius of Curvature (m)		For straight rail only																						
Weight (approx.) (kg)		910					1210					2030					2430							
Note : Dimensions of i-beam in sections are standard ones. Other I-beam size also can be used by changing spacers.																								

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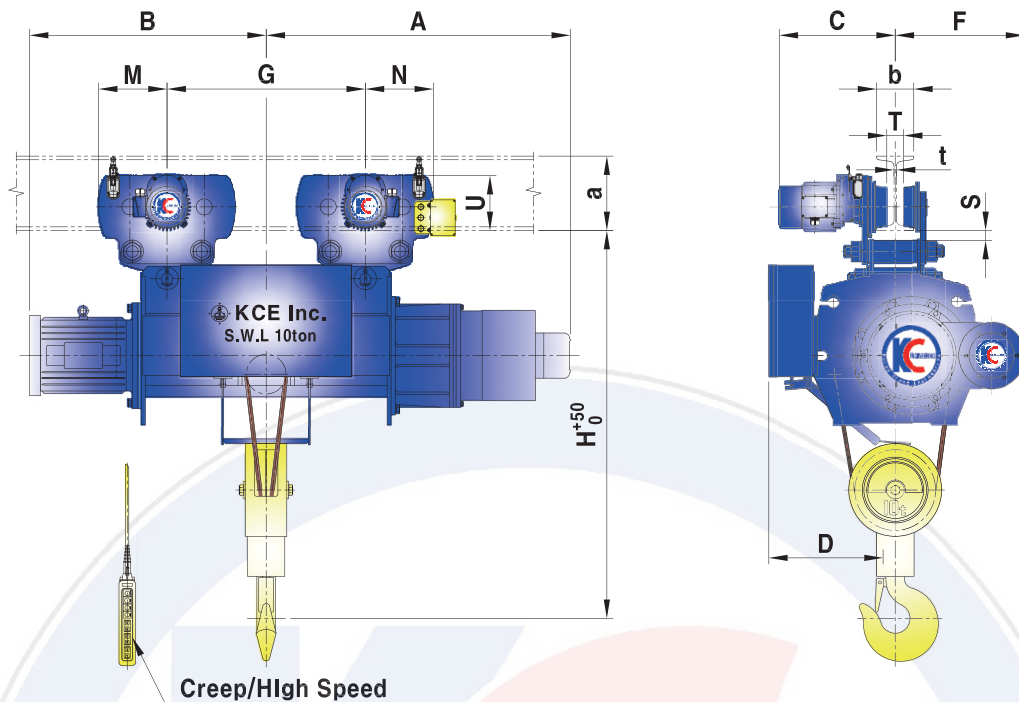
Mono-Rail Type Hoist (Creep)



Capacity (ton)			1				2				3				5				
Model No.			N01-C-H06(12)				N02-C-H06(12)				N03-C-H06(12)				N05-C-H06(12)				
Hoisting	Lift Height (m)		6 (12)				6 (12)				6 (12)				6 (12)				
	Speed (m/min)	50 (Hz)	10/1				8.4/0.84				7.5/0.75				4.7/0.47				
		60 (Hz)	12/1.2				10/1				9/0.9				5.6/0.56				
	Motor (kWxP)		2.4/0.4x4				3.7/0.4x4				5.5/1.1x4				5.5/1x6				
	Wire Rope [Φ xFalls]	Construction	6x37				6x37				6x37				6x37				
		Dia.(mm) x No. of ropes	8x2				10x2				12.5x2				16x2				
	Brake		DC Magnet Disc Brake																
Traversing	Speed (m/min)	High 50/60 (Hz)	20/24				20/24				20/24				20/24				
		Low 50/60 (Hz)	13/16				13/16				13/16				13/16				
	Motor (kWxP)	High	0.4x4				0.75x4				0.75x4				0.75x4				
		Low	0.2x6				0.5x6				0.5x6				0.5x6				
Dimension (approx.) (mm)		H	815				980				1115				1325				
		A	580 (680)				620 (720)				740 (840)				840 (940)				
		B	380 (580)				410 (510)				440 (540)				500 (585)				
		D	275				310				365				415				
		F	330				370				375				430				
		G	255				260				260				275				
		K	200				225				225				275				
I-beam and spacing (mm)		a x b x t	C	S	T	U	C	S	T	U	C	S	T	U	C	S	T	U	
		200x100x7	395	38	46	144	-	-	-	-	-	-	-	-	-	-	-	-	-
		250x125x7.5	395	30	71	153	445	26	71	182	445	25	71	182	455	37	61	222	
		300x150x10	410	28	96	156	460	24	96	182	460	23	96	182	465	32	86	224	
		450x175x13	-	-	-	-	-	-	-	-	-	-	-	-	480	32	111	228	
Min. Radius of Curvature (m)			1.5				1.8				1.8				2.3				
Weight (approx.) (kg)			225 (245)				320 (355)				415 (460)				635 (700)				
Note : Dimensions of I-beam in sections are standard ones. Other I-beam size also can be used by changing spacers.																			

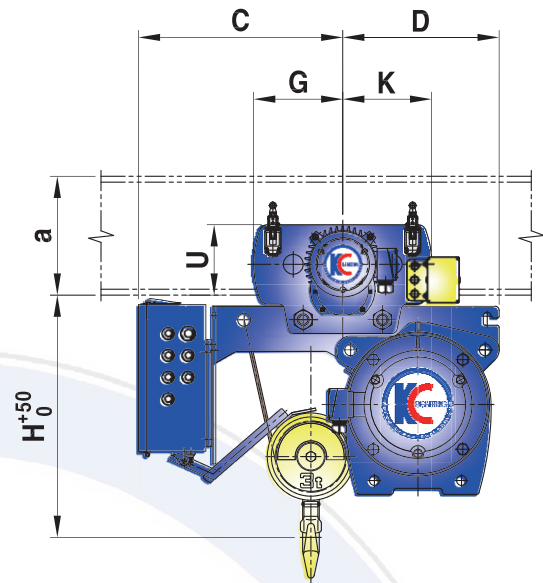
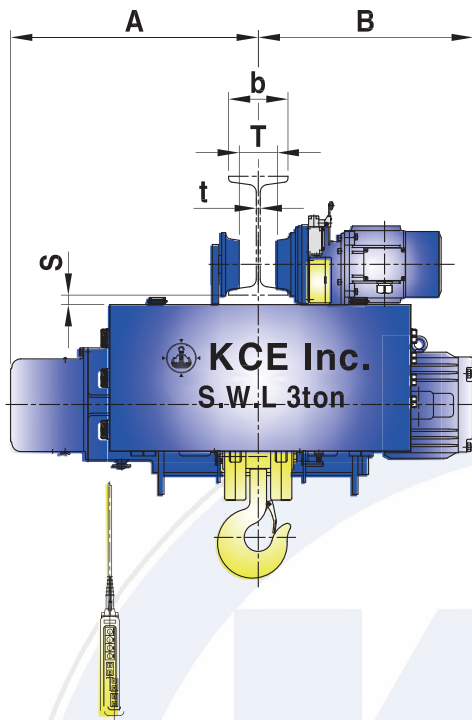
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● Mono-Rail Type Hoist (Creep)



Capacity (ton)			7.5				10				15				20			
Model No.			N075-C-H12				N10-C-H12				N15-C-H12				N20-C-H12			
Hoisting	Lift Height (m)		12				12				12				12			
	Speed (m/min)	50 (Hz)	3.1/0.31				3.7/0.37				3.7/0.37				3.5/0.35			
		60 (Hz)	3.8/0.38				4.5/0.45				4.5/0.45				4.2/0.42			
	Motor (kWxP)		5.5/1x6				9/1.1x8				13/1.8x8				17/1.8x8			
	Wire Rope [Φ xFalls]	Construction	6x37				6x37				6x37				6x37			
		Dia.(mm) x No. of ropes	14x4				16x4				20x4				22.4x4			
	Brake		DC Magnet Disc Brake															
Traversing	Speed (m/min)	High 50/60 (Hz)	12.5/15				12.5/15				12.5/15				12.5/15			
		Low 50/60 (Hz)	8.3/10				8.3/10				8.3/10				8.3/10			
	Motor (kWxP)	High	0.75x4 (2unit)				0.75x4 (2unit)				1.5x4 (2unit)				1.5x4 (2unit)			
		Low	0.5x6 (2unit)				0.5x6 (2unit)				1x6 (2unit)				1x6 (2unit)			
Dimension (approx.) (mm)	H		1460				1565				1875				2115			
	A		1170				1230				1365				1460			
	B		835				955				1005				1220			
	D		480				510				620				640			
	F		465				525				575				621			
	G		800				800				800				850			
	M		276				276				300				300			
	N		276				276				300				300			
I-beam and spacing (mm)	a x b x t		C	S	T	U	C	S	T	U	C	S	T	U	C	S	T	U
	300x150x10		500	35	68	224	475	35	68	224	-	-	-	-	-	-	-	-
	450x175x13		510	30	93	228	490	30	93	228	580	32	77	248	580	32	77	248
	600x190x13		520	32	118	227	495	32	118	227	587	37	92	243	587	37	92	243
Min. Radius of Curvature (m)			For straight rail only															
Weight (approx.) (kg)			970				1280				2180				2520			
Note : Dimensions of i-beam in sections are standard ones. Other I-beam size also can be used by changing spacers.																		

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Capacity (ton)			1			2			3			5			7.5		
Model No.			NL01-N-H06			NL02-N-H06			NL03-N-H06			NL05-N-H06			NL075-N-H12		
Hoisting	Lift Height (m)		6			6			6			6			12		
	Speed (m/min)	High 50/60 (Hz)	10/12			8.4/10			7.5/9			4.7/5.6			3.1/3.8		
		Low 50/60 (Hz)	5/6			4.2/5			3.7/4.5			3.5/4.2			2.3/2.8		
	Motor (kWxP)	High	2.4x4			3.7x4			5.5x4			5.5x6			5.5x6		
		Low	1.2x8			1.8x8			2.8x8			4.2x8			4.2x8		
	Wire Rope [ϕ x Falls]	Construction	6x19			6x37			6x37			6x37			6x37		
		Dia.(mm) x No. of ropes	6x4			8x4			9x4			11.2x4			14x4		
Brake		DC Magnet Disc Brake															
Traversing	Speed (m/min)	High 50/60 (Hz)	20/24			20/24			20/24			20/24			12.5/15		
		Low 50/60 (Hz)	13/16			13/16			13/16			13/16			8.3/10		
	Motor (kWxP)	High	0.4x4			0.75x4			0.75x4			0.75x4			0.75x4		
		Low	0.2x6			0.5x6			0.5x6			0.5x6			0.5x6		
Dimension (approx.) (mm)	H		550			620			620			800			1000		
	A		505			590			620			705			790		
	B		480			510			540			585			705		
	C		405			435			510			585			730		
	D		290			385			395			465			560		
	G		255			260			260			275			300		
	K		200			225			225			275			300		
I-beam and spacing (mm)	a x b x t		S	T	U	S	T	U	S	T	U	S	T	U	S	T	U
	200x100x7		38	46	144	-	-	-	-	-	-	-	-	-	-	-	-
	250x125x7.5		30	71	153	22	71	182	23	71	182	-	-	-	-	-	-
	300x150x10		30	71	155	22	96	182	23	96	182	26	86	224	30	52	246
	450x175x13		-	-	-	-	-	-	-	-	-	23	111	228	32	77	248
Min. Radius of Curvature (m)			1.5			1.8			1.8			2.3			-		
Weight (approx.) (kg)			200			350			440			730			1300		
Note : Dimensions of i-beam in sections are standard ones. Other I-beam size also can be used by changing spacers.																	

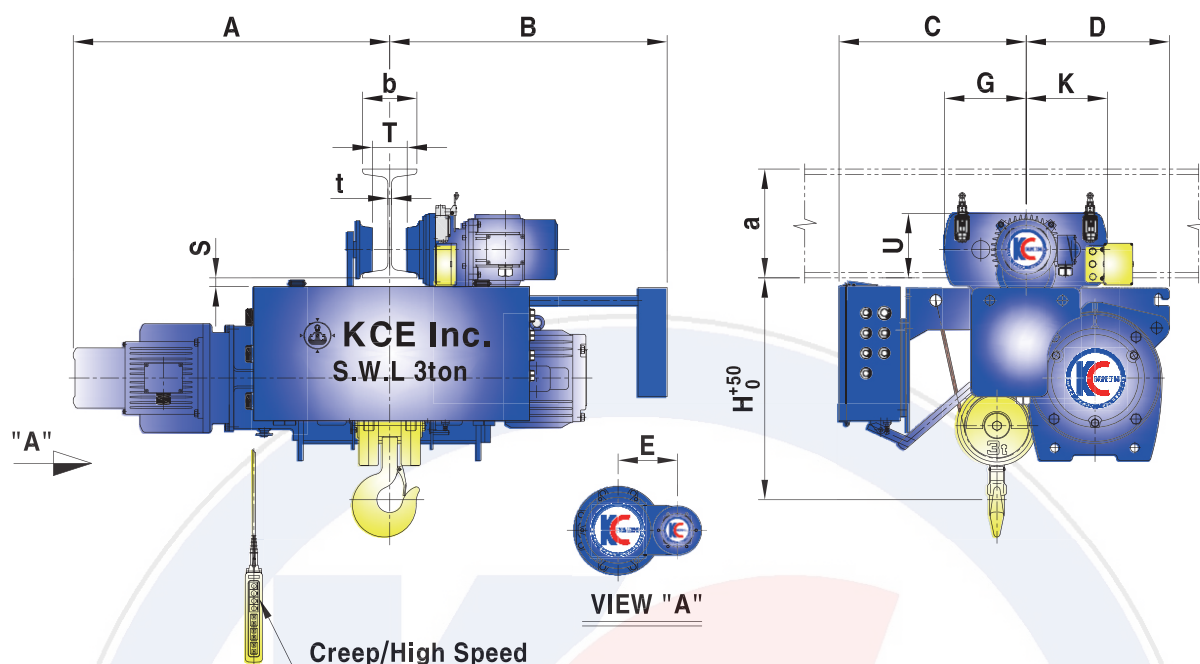
Note : Dimensions of i-beam in yellow sections are standard ones. Other I-beam size also can be used by changing spacers.

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Low Head Type Hoist (Creep)

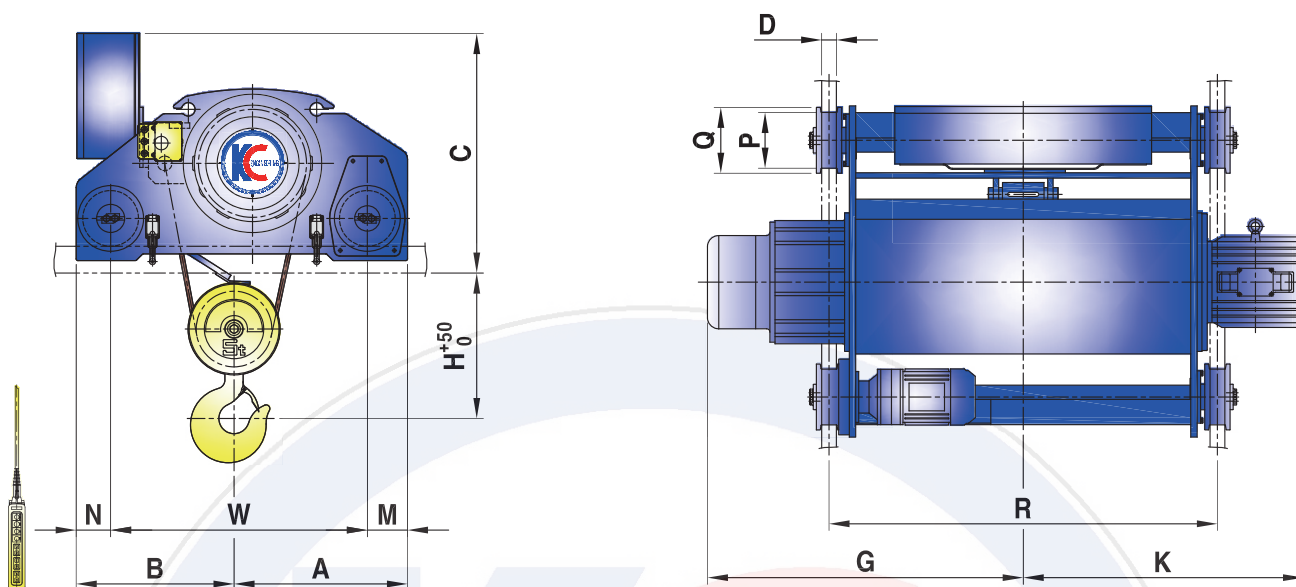


Capacity (ton)			1			2			3			5			7.5		
Model No.			NL01-C-H06			NL02-C-H06			NL03-C-H06			NL05-C-H06			NL075-C-H12		
Hoisting	Lift Height (m)		6			6			6			6			12		
	Speed (m/min)	50 (Hz)	10/1			8.4/0.84			7.5/0.75			4.7/0.47			3.1/0.31		
		60 (Hz)	12/1.2			10/1			9/0.9			5.6/0.56			3.8/0.38		
	Motor (kWxP)		2.4/0.4x4			3.7/0.4x4			5.5/1.1x4			5.5/1x6			5.5/1x6		
	Wire Rope [ϕ xFalls]	Construction	6x19			6x37			6x37			6x37			6x37		
		Dia.(mm) x No. of ropes	6x4			8x4			9x4			11.2x4			14x4		
Brake		DC Magnet Disc Brake															
Traversing	Speed (m/min)	High 50/60 (Hz)	20/24			20/24			20/24			20/24			12.5/15		
		Low 50/60 (Hz)	13/16			13/16			13/16			13/16			8.3/10		
	Motor (kWxP)	High	0.4x4			0.75x4			0.75x4			0.75x4			0.75x4		
		Low	0.2x6			0.5x6			0.5x6			0.5x6			0.5x6		
Dimension (approx.) (mm)	H		550			620			620			800			1100		
	A		680			740			840			940			1080		
	B		510			765			765			820			820		
	C		450			450			510			585			715		
	D		290			385			565			635			620		
	G		225			260			260			275			350		
	K		200			225			225			275			350		
	E		330			375			375			425			425		
I-beam and spacing (mm)	a x b x t		S	T	U	S	T	U	S	T	U	S	T	U	S	T	U
	200x100x7		38	46	144	-	-	-	-	-	-	-	-	-	-	-	-
	250x125x7.5		30	71	153	22	71	182	23	71	182	-	-	-	-	-	-
	300x150x10		30	96	155	22	96	182	23	96	182	26	86	224	30	52	246
	450x175x13		-	-	-	-	-	-	-	-	-	23	111	228	32	77	248
Min. Radius of Curvature (m)			1.5			1.8			1.8			2.3			-		
Weight (approx.) (kg)			275			440			530			760			1360		
Note : Dimensions of i-beam in sections are standard ones. Other I-beam size also can be used by changing spacers.																	

Note : Dimensions of i-beam in sections are standard ones. Other I-beam size also can be used by changing spacers.

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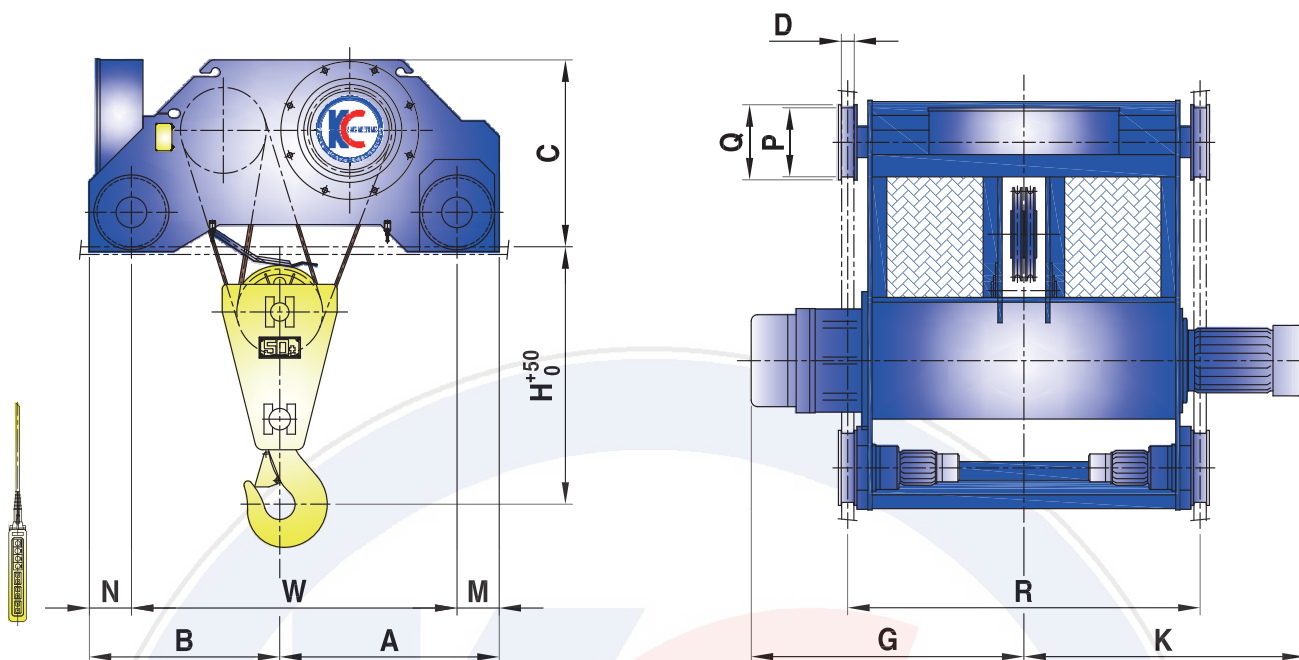
Double Rail Type Hoist



Capacity (ton)		2	3	5	7.5	10	15	20
Model No.		D02-N-H12	D03-N-H12	D05-N-H12	D075-N-H12	D10-N-H12	D15-N-H12	D20-N-H12
Hoisting	Lift Height (m)	12	12	12	12	12	12	12
	Speed (m/min)	High 50/60 (Hz)	8.4/10	7.5/9	4.7/5.6	3.1/3.8	3.7/4.5	3.5/4.2
		Low 50/60 (Hz)	4.2/5	3.7/4.5	3.5/4.2	2.3/2.8	2.5/3	2.3/2.8
	Motor (kWxP)	High	3.7x4	5.5x4	5.5x6	5.5x6	9x8	13x8
		Low	1.8x8	2.8x8	4.2x8	4.2x8	6x12	8.5x12
	Wire Rope [Φx Falls]	Construction	6x37	6x37	6x37	6x37	6x37	6x37
Traversing	Speed (m/min)	High 50/60 (Hz)	20/24	20/24	20/24	12.5/15	12.5/15	12.5/15
		Low 50/60 (Hz)	13/16	13/16	13/16	8.3/10	8.3/10	8.3/10
	Motor (kWxP)	High	0.75x4	0.75x4	0.75x4	0.75x4	0.75x4	1.5x4
		Low	0.5x6	0.5x6	0.5x6	0.5x6	0.5x6	1x6
	Brake		DC Magnet Disc Brake					
Dimension (approx.) (mm)	H		415	420	510	730	775	995
	R		950	950	1150	1150	1150	1200
	A		465	465	510	535	565	625
	B		390	390	470	480	510	555
	C		500	600	550	645	695	860
	G		740	785	935	925	975	1075
	K		690	705	830	835	955	1005
	W		650	650	760	800	865	920
	D		47	47	58	58	58	58
	M		115	115	125	120	120	130
	N		90	90	110	95	100	130
	P		140	140	165	165	165	180
	Q		170	170	190	195	195	210
Weight (approx.) (kg)		450	550	850	900	1200	1820	2300
Rail		15kg/m	15kg/m	15kg/m	15kg/m	15kg/m	22kg/m	22kg/m

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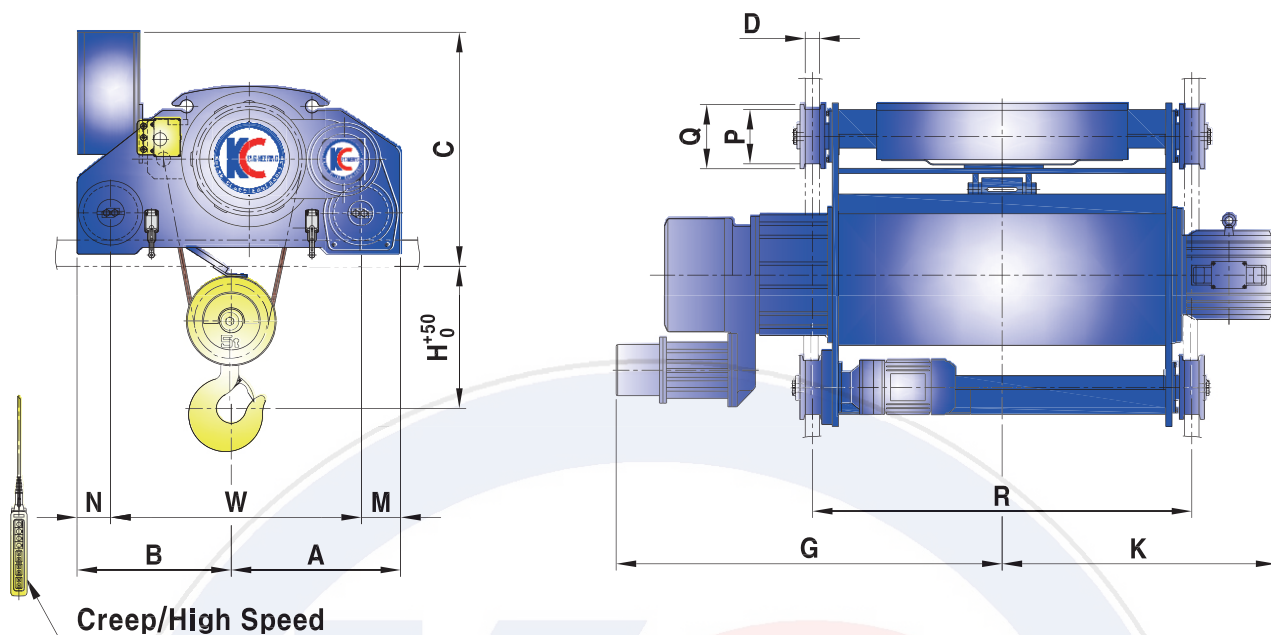
Double Rail Type Hoist



Capacity (ton)			30	35	40	50	60	70
Model No.			D30-N-H12	D35-N-H12	D40-N-H12	D50-N-H12	D60-N-H12	D70-N-H12
Hoisting	Lift Height (m)		12	12	12	12	12	12
	Speed (m/min)	50 (Hz)	2.3	4	3.5	2.7	2	2
		60 (Hz)	2.8	4.8	4.2	3.2	2.4	2.4
	Motor (kWxP)		17x8	33x6	33x6	33x6	33x6	33x6
	Wire Rope [Φ x Falls]	Construction	6x37	6xFi(25)	6xFi(25)	6xFi(25)	6xFi(25)	6xFi(25)
		Dia.(mm) x No. of ropes	22.4x6	28x4	28x4	28x6	28x8	28x8
	Brake		DC Magnet Disc Brake					
Traversing	Speed (m/min)	High 50/60 (Hz)	12.5/15	12.5/15	12.5/15	12.5/15	12.5/15	12.5/15
		Low 50/60 (Hz)	8.3/10	8.3/10	8.3/10	8.3/10	8.3/10	8.3/10
	Motor (kWxP)	High	1.5x4 (2unit)	2.2x4	2.2x4	2.2x4 (2unit)	2.2x4 (2unit)	3.7x4 (2unit)
		Low	1x6 (2unit)	1.5x6	1.5x6	1.5x6 (2unit)	1.5x6 (2unit)	2.2x6 (2unit)
Dimension (approx.) (mm)		H	1480	1490	1490	1680	1780	1780
		R	1800	1600	1600	2300	2800	2800
		A	940	1025	1025	1432	1525	1525
		B	940	955	955	1243	1150	1150
		C	980	1013	1013	1220	1220	1220
		G	1425	1455	1455	1780	2030	2030
		K	1480	1360	1360	1715	1965	1965
		W	1540	1550	1550	2125	2125	2125
		D	70	70	70	80	80	80
		M	180	215	215	275	275	300
		N	160	215	215	275	275	300
		P	250	355	355	450	450	500
Q	280	395	395	490	490	540		
Weight (approx.) (kg)			3450	5200	5200	7000	8500	9000
Rail			30kg/m	37kg/m	37kg/m	73kg/m	73kg/m	73kg/m

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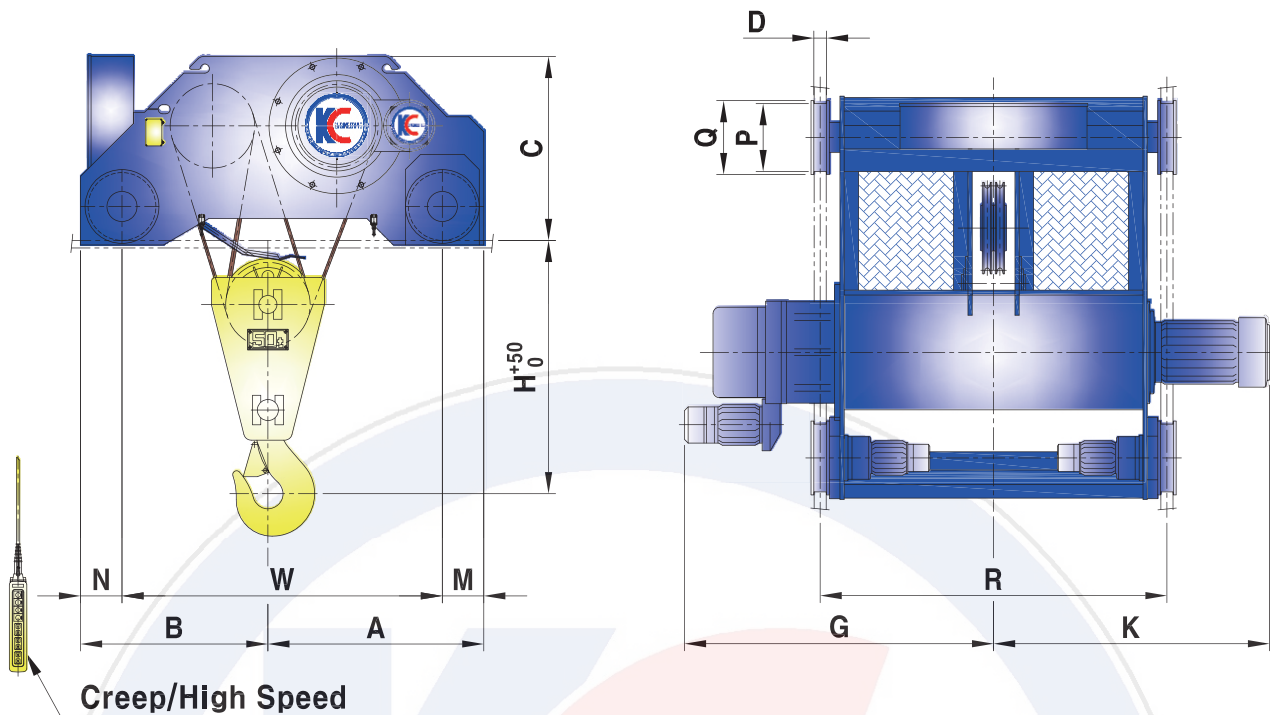
Double Rail Type Hoist (Creep)



Capacity (ton)		2	3	5	7.5	10	15	20
Model No.		D02-C-H12	D03-C-H12	D05-C-H12	D075-C-H12	D10-C-H12	D15-C-H12	D20-C-H12
Hoisting	Lift Height (m)	12	12	12	12	12	12	12
	Speed (m/min)	50 (Hz)	8.4/0.84	7.5/0.75	4.7/0.47	3.1/0.31	3.7/0.37	3.5/0.35
		60 (Hz)	10/1	9/0.9	5.6/0.56	3.8/0.38	4.5/0.45	4.2/0.42
	Motor (kWxP)	3.7/0.4x4	5.5/1.1x4	5.5/1.0x6	5.5/1.0x6	9/1.1x8	13/1.8x8	17/1.8x8
	Wire Rope [Φ x Falls]	6x37	6x37	6x37	6x37	6x37	6x37	6x37
Brake		DC Magnet Disc Brake						
Traversing	Speed (m/min)	High 50/60 (Hz)	20/24	20/24	20/24	12.5/15	12.5/15	12.5/15
		Low 50/60 (Hz)	13/16	13/16	13/16	8.3/10	8.3/10	8.3/10
	Motor (kWxP)	High	0.75x4	0.75x4	0.75x4	0.75x4	1.5x4	1.5x4
		Low	0.5x6	0.5x6	0.5x6	0.5x6	1.0x6	1.0x6
Dimension (approx.) (mm)	H	415	420	510	730	775	995	1175
	R	950	950	1150	1150	1150	1200	1300
	A	465	465	510	525	565	625	670
	B	390	390	470	480	510	555	610
	C	500	600	550	550	695	860	900
	G	905	1020	1170	1170	1230	1365	1460
	K	609	705	830	835	955	1005	1220
	W	650	650	760	800	865	920	1000
	D	47	47	58	58	58	58	58
	M	115	115	125	120	120	130	140
	N	90	90	110	95	100	130	140
	P	140	140	165	165	165	180	220
	Q	170	170	195	195	195	210	250
Weight (approx.) (kg)		490	590	900	955	1265	1920	2385
Rail		15kg/m	15kg/m	15kg/m	15kg/m	15kg/m	22kg/m	22kg/m

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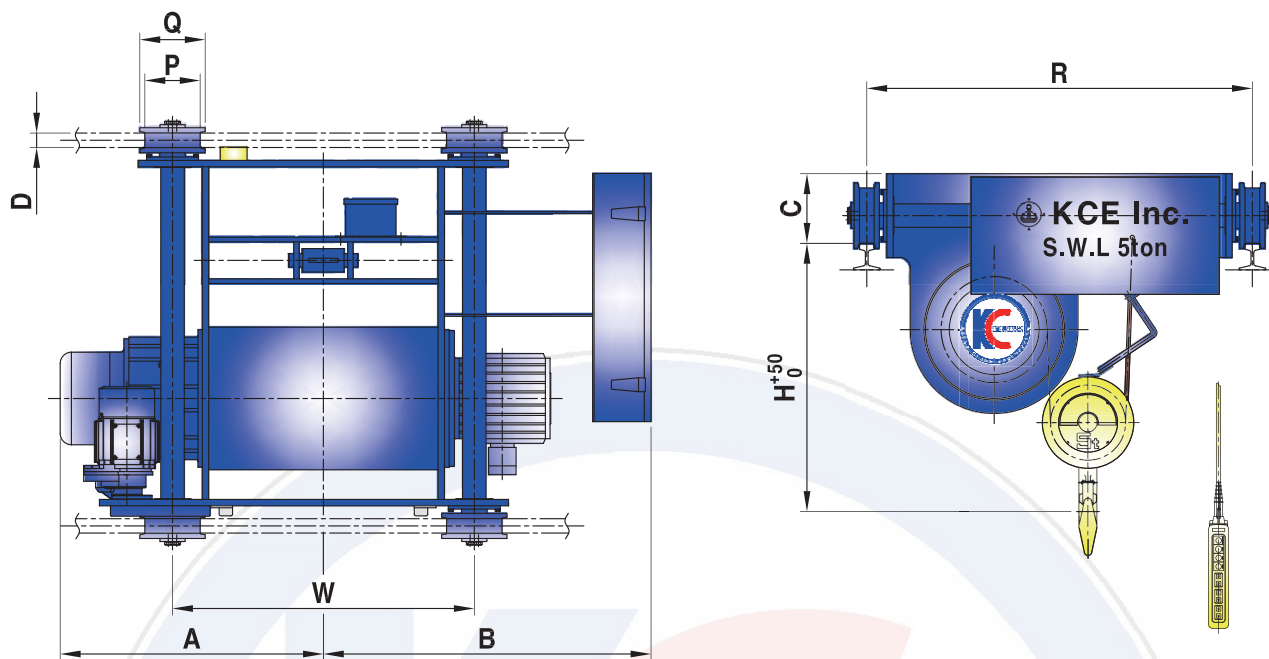
Double Rail Type Hoist (Creep)



Capacity (ton)			30	35	40	50	60	70
Model No.			D30-C-H12	D35-C-H12	D40-C-H12	D50-C-H12	D60-C-H12	D70-C-H12
Hoisting	Lift Height (m)		12	12	12	12	12	12
	Speed (m/min)	50 (Hz)	2.3/0.23	4/0.4	3.5/0.35	2.7/0.27	2/0.2	2/0.2
		60 (Hz)	2.8/0.28	4.8/0.48	4.2/0.42	3.2/0.32	2.4/0.24	2.4/0.24
	Motor (kWxP)		17/1.8x8	33/3.7x6/4	33/3.7x6/4	33/3.7x6/4	33/3.7x6/4	33/3.7x6/4
	Wire Rope [ϕ xFalls]	Construction	6x37	6xFi(25)	6xFi(25)	6xFi(25)	6xFi(25)	6xFi(25)
		Dia.(mm) x No. of ropes	22.4x6	28x4	28x4	28x6	28x8	28x8
Brake		DC Magnet Disc Brake						
Traversing	Speed (m/min)	High 50/60 (Hz)	12.5/15	12.5/15	12.5/15	12.5/15	12.5/15	12.5/15
		Low 50/60 (Hz)	8.3/10	8.3/10	8.3/10	8.3/10	8.3/10	8.3/10
	Motor (kWxP)	High	1.5x4 (2unit)	2.2x4	2.2x4	2.2x4 (2unit)	2.2x4 (2unit)	3.7x4 (2unit)
		Low	1.0x6 (2unit)	1.5x6	1.5x6	1.5x6 (2unit)	1.5x6 (2unit)	2.2x6 (2unit)
Dimension (approx.) (mm)		H	1480	1490	1490	1680	1780	1780
		R	1800	1600	1600	2300	2800	2800
		A	940	1025	1025	1432	1525	1525
		B	940	955	955	1243	1150	1150
		C	980	1013	1013	1220	1220	1220
		G	1720	1735	1735	2060	2310	2310
		K	1480	1360	1360	1715	1965	1965
		W	1540	1550	1550	2125	2125	2125
		D	70	70	70	80	80	80
		M	180	215	215	275	275	300
		N	180	215	215	275	275	300
		P	250	355	355	450	450	500
Q	280	355	355	490	490	540		
Weight (approx.) (kg)			3536	5400	5400	7200	9050	9200
Rail			30kg/m	37kg/m	37kg/m	73kg/m	73kg/m	73kg/m

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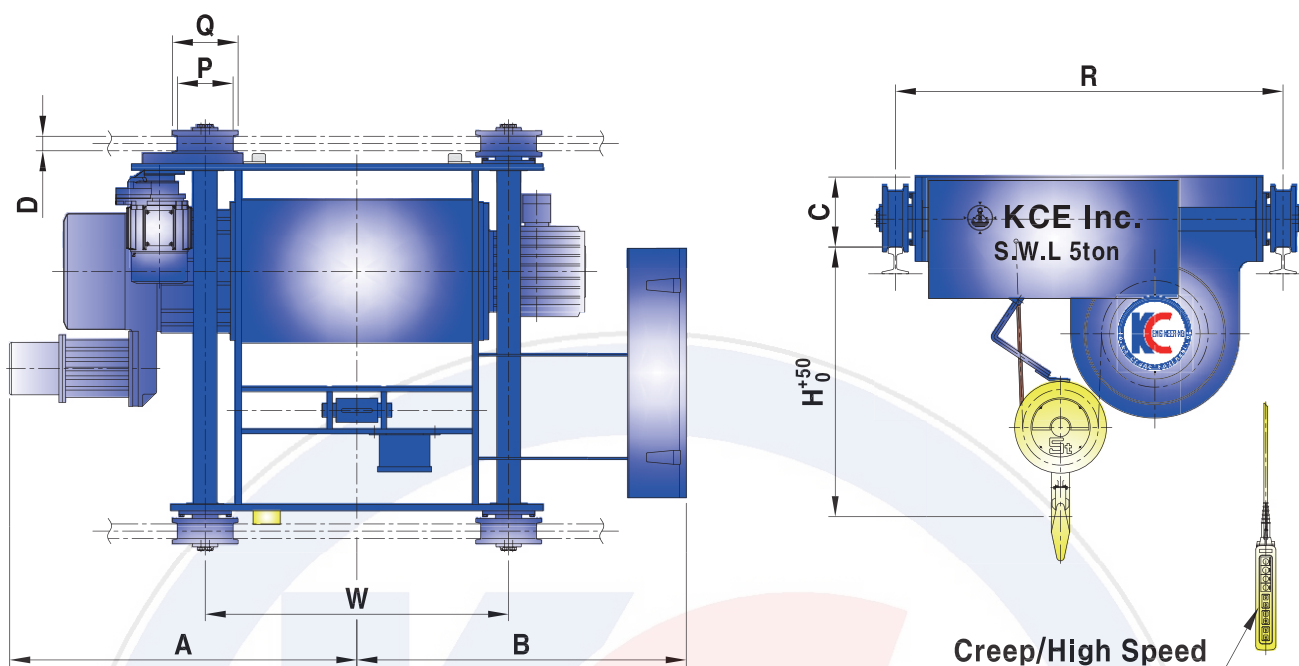
Double Low Head Type Hoist



Capacity (ton)			2	3	5	7.5	10	15
Model No.			DL02-N-H06	DL03-N-H06	DL05-N-H06	DL075-N-H12	DL10-N-H12	DL15-N-H12
Hoisting	Lift Height (m)		6	6	6	12	12	12
	Speed (m/min)	High 50/60 (Hz)	8.4/10	7.5/9	4.7/5.6	3.1/3.8	3.7/4.5	3.7/4.5
		Low 50/60 (Hz)	4.2/5	3.7/4.5	3.5/4.2	2.3/2.8	2.5/3	2.5/3
	Motor (kWxP)	High	3.7x4	5.5x4	5.5x6	5.5x6	9x8	13x8
		Low	1.8x8	2.8x8	4.2x8	4.2x8	6x12	8.5x12
	Wire Rope [Φ xFalls]	Construction	6x37	6x37	6x37	6x37	6x37	6x37
		Dia.(mm) x No. of ropes	8x4	9x4	11.2x4	14x4	16x4	20x4
Brake		DC Magnet Disc Brake						
Traversing	Speed (m/min)	High 50/60 (Hz)	20/24	20/24	20/24	12.5/15	12.5/15	12.5/15
		Low 50/60 (Hz)	13/16	13/16	13/16	8.3/10	8.3/10	8.3/10
	Motor (kWxP)	High	0.75x4	0.75x4	0.75x4	0.75x4	0.75x4	1.5x4
		Low	0.5x6	0.5x6	0.5x6	0.5x6	0.5x6	1x6
Dimension (approx.) (mm)		H	400	495	525	950	920	1250
		R	950	950	1150	1400	1300	1700
		A	582	652	730	925	978	965
		B	532	550	620	870	955	1009
		C	200	170	200	200	240	260
		W	750	650	772	1250	1250	1300
		D	47	47	58	58	58	58
		P	140	140	165	165	165	180
		Q	170	170	195	195	195	210
Weight (approx.) (kg)			410	500	800	850	1250	1850
Rail			15kg/m	15kg/m	15kg/m	15kg/m	15kg/m	22kg/m

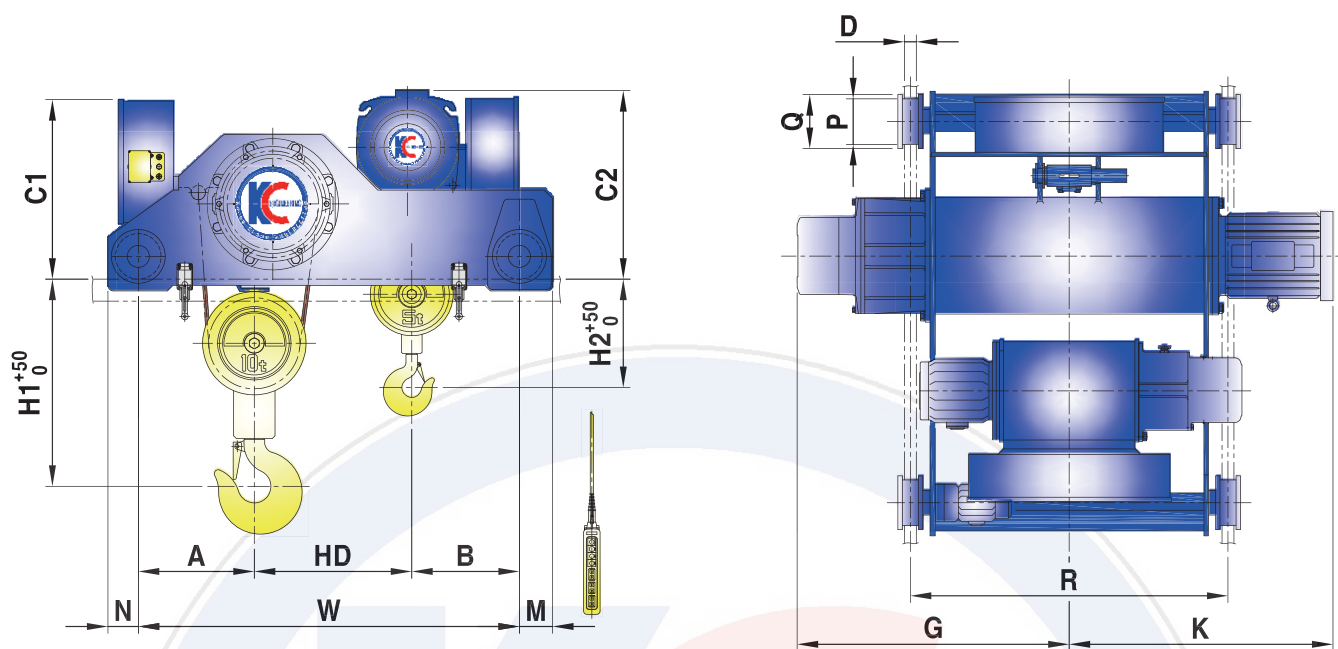
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Double Low Head Type Hoist (Creep)



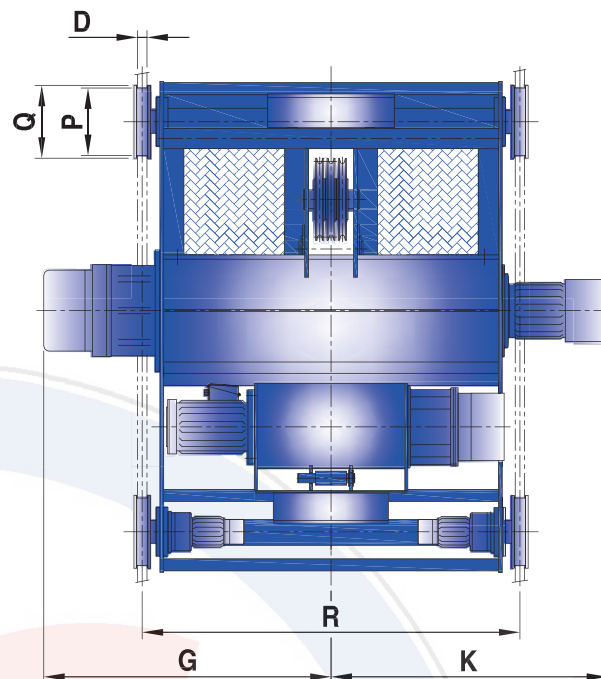
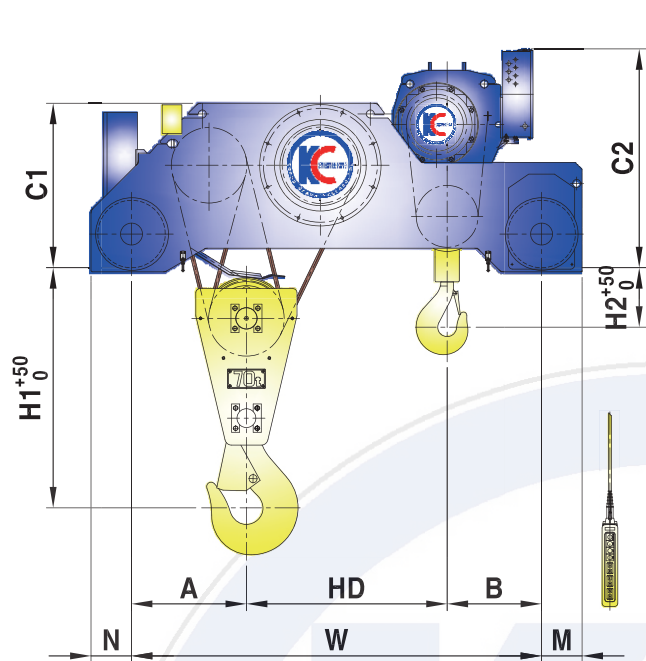
Capacity (ton)		2	3	5	7.5	10	15
Model No.		DL02-C-H06	DL03-C-H06	DL05-C-H06	DL075-C-H12	DL10-C-H12	DL15-C-H12
Hoisting	Lift Height (m)	6	6	6	12	12	12
	Speed (m/min)	50 (Hz)	8.4/0.84	7.5/0.75	4.7/0.47	3.1/0.31	3.7/0.37
		60 (Hz)	10/1	9/0.9	5.6/0.56	3.8/0.38	4.5/0.45
	Motor (kWxP)	3.7/0.4x4	5.5/1.1x4	5.5/1x6	5.5/1x6	9/1.1x8	13/1.8x8
	Wire Rope [Φ x Falls]	Construction	6x37	6x37	6x37	6x37	6x37
		Dia.(mm) x No. of ropes	8x4	9x4	11.2x4	14x4	16x4
Brake		DC Magnet Disc Brake					
Traversing	Speed (m/min)	High 50/60 (Hz)	20/24	20/24	20/24	12.5/15	12.5/15
		Low 50/60 (Hz)	13/16	13/16	13/16	8.3/10	8.3/10
	Motor (kWxP)	High	0.75x4	0.75x4	0.75x4	0.75x4	1.5x4
		Low	0.5x6	0.5x6	0.5x6	0.5x6	1x6
Dimension (approx.) (mm)	H	400	495	600	950	920	1250
	R	950	950	1150	1400	1300	1700
	A	775	870	950	1230	1230	1080
	B	560	840	655	835	955	1009
	C	170	170	205	300	240	260
	W	750	650	840	1250	1250	1300
	D	47	47	58	58	58	58
	P	140	140	165	165	165	180
	Q	170	170	195	195	195	210
Weight (approx.) (kg)		460	550	850	950	1300	1950
Rail		15kg/m	15kg/m	15kg/m	15kg/m	15kg/m	15kg/m

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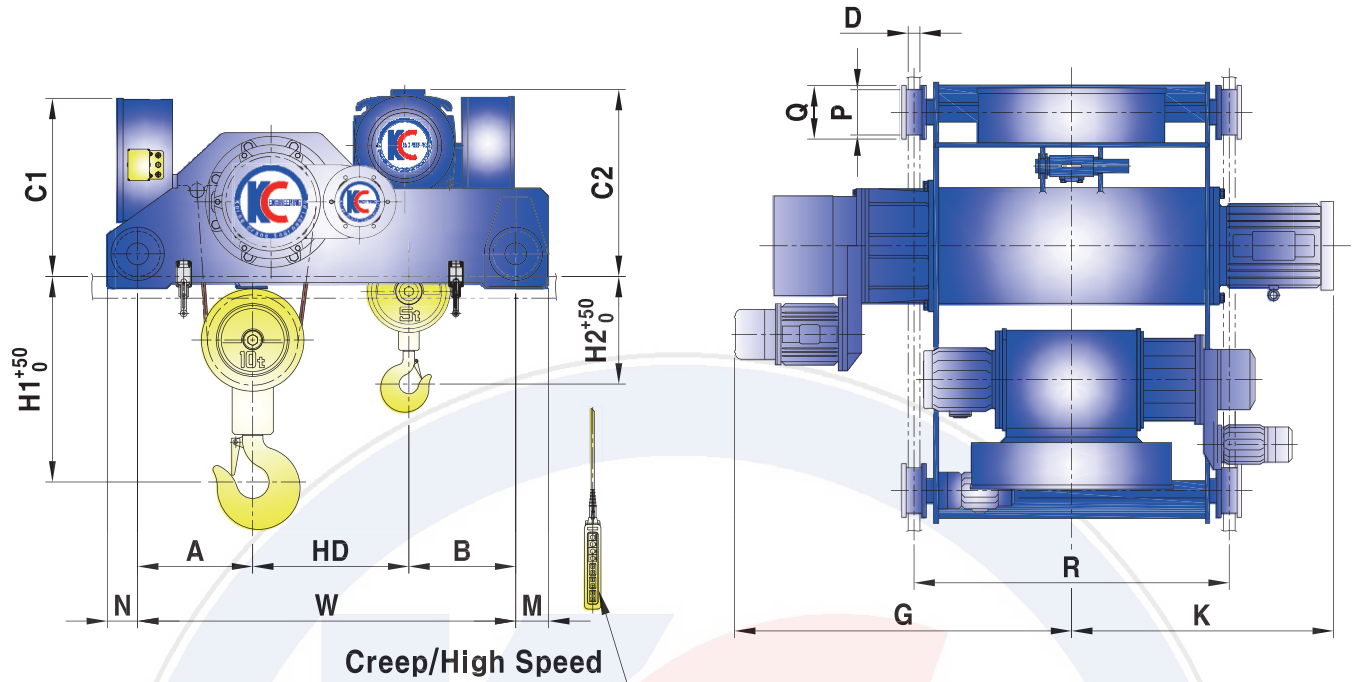
Capacity (ton)			5/3		7.5/3		10/5		15/5		20/5		20/10	
Model No.			D0503-NN-H12		D07503-NN-H12		D1005-NN-H12		D1505-NN-H12		D2005-NN-H12		D2010-NN-H12	
Hoisting	Lift Height (m)		12		12		12		12		12		12	
	Speed (m/min)	High 50/60 (Hz)	4.7/5.6	7.5/9	3.1/3.8	7.5/9	3.7/4.5	4.7/5.6	3.7/4.5	4.7/5.6	3.5/4.2	4.7/5.6	3.5/4.2	3.7/4.5
		Low 50/60 (Hz)	3.5/4.2	3.7/4.5	2.3/2.8	3.7/4.5	2.5/3	3.5/4.2	2.5/3	3.5/4.2	2.5/2.8	3.5/4.2	2.5/2.8	2.5/3
	Motor (kWxP)	High	5.5x6	5.5x4	5.5x6	5.5x4	9x8	5.5x6	13x8	5.5x6	17x8	5.5x6	17x8	9x8
		Low	4.2x8	2.8x8	4.2x8	2.8x8	6x12	4.2x8	8.5x12	4.2x8	11.5x12	4.2x8	11.5x12	6x12
	Wire Rope [Φ x Falls]	Construction	6x37	6x37	6x37	6x37	6x37	6x37	6x37	6x37	6x37	6x37	6x37	6x37
Dia.(mm) x No. of ropes		12.5x4	12.5x2	14x4	12.5x2	16x4	16x2	20x4	16x2	22.4x4	16x2	22.4x4	16x4	
Brake			DC Magnet Disc Brake											
Traversing	Speed (m/min)	High 50/60 (Hz)	20/24		12.5/15		12.5/15		12.5/15		12.5/15		12.5/15	
		Low 50/60 (Hz)	13/16		8.3/10		8.3/10		8.3/10		8.3/10		8.3/10	
	Motor (kWxP)	High	0.75x4		0.75x4		0.75x4		1.5x4		1.5x4		1.5x4	
		Low	0.5x6		0.5x6		0.5x6		1x6		1x6		1x6	
Dimension (approx.) (mm)	H1		510		730		775		995		1175		1175	
	H2		270		350		390		365		350		425	
	R		1150		1150		1150		1200		1300		1300	
	HD		485		570		600		645		700		775	
	A		370		420		460		425		570		570	
	B		365		390		400		450		450		630	
	C1		550		550		695		860		900		900	
	C2		845		725		905		930		935		1180	
	G		935		925		975		1075		1165		1165	
	K		885		870		1060		1065		1210		1210	
	W		1220		1380		1460		1520		1720		1980	
	D		47		58		58		58		58		58	
	M		110		110		110		130		170		170	
	N		125		120		120		140		170		170	
	P		165		165		165		180		220		220	
Q		190		195		195		210		250		250		
Weight (approx.) (kg)			1285		1600		1830		2475		2925		3475	
Rail			15kg/m		15kg/m		15kg/m		22kg/m		22kg/m		22kg/m	

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Capacity (ton)			30/10		35/10		40/10		50/10		60/20		70/20	
Model No.			D3010-NN-H12		D3510-NN-H12		D4010-NN-H12		D5010-NN-H12		D6020-NN-H12		D7020-NN-H12	
Hoisting	Lift Height (m)		12		12		12		12		12		12	
	Speed (m/min)	High 50/60 (Hz)	2.3/2.8	3.7/4.5	4/4.8	3.7/4.5	3.5/4.2	3.7/4.5	2.7/3.2	3.7/4.5	2/2.4	3.5/4.2	2/2.4	3.5/4.2
		Low 50/60 (Hz)	1.5/1.8	2.5/3		2.5/3		2.5/3		2.5/2.8		2.5/2.8		
	Motor (kWxP)	High	17x8	9x8	33x6	9x8	33x6	9x8	33x6	9x8	33x6	17x8	33x6	17x8
		Low	11.5x12	6x12		6x12		6x12		6x12		11.5x12		11.5x12
	Wire Rope [Φ xFalls]	Construction	6x37	6x37	6xFi(25)	6x37	6xFi(25)	6x37	6xFi(25)	6x37	6xFi(25)	6x37	6xFi(25)	6x37
		Dia.(mm) x No. of ropes	22.4x6	16x4	28x4	16x4	28x4	16x4	28x6	16x4	28x8	22.4x4	28x8	22.4x4
Brake		DC Magnet Disc Brake												
Traversing	Speed (m/min)	High 50/60 (Hz)	12.5/15		12.5/15		12.5/15		12.5/15		12.5/15		12.5/15	
		Low 50/60 (Hz)	8.3/10		8.3/10		8.3/10		8.3/10		8.3/10		8.3/10	
	Motor (kWxP)	High	1.5x4 (2unit)		2.2x4		2.2x4		2.2x4 (2unit)		2.2x4 (2unit)		3.7x4 (2unit)	
		Low	1x6 (2unit)		1.5x6		1.5x6		1.5x6 (2unit)		1.5x6 (2unit)		2.2x6 (2unit)	
Dimension (approx.) (mm)		H1	1480		1490		1490		1680		1780		1780	
		H2	430		420		420		50		330		330	
		R	1800		1600		1600		2300		2800		2800	
		HD	1010		1100		1100		1300		1378		1378	
		A	780		740		740		968		968		968	
		B	550		560		560		657		579		579	
		C1	980		1013		1013		1220		1220		1220	
		C2	995		1333		1333		1460		1750		1750	
		G	1425		1455		1455		1780		2030		2030	
		K	1480		1360		1360		1715		1965		1965	
		W	2340		2400		2400		2925		2925		2925	
		D	70		70		70		80		80		80	
		M	160		215		215		275		275		275	
		N	180		215		215		275		275		275	
P	250		355		355		450		450		500			
Q	280		395		395		490		490		540			
Weight (approx.) (kg)			4670		6400		6400		8200		10930		11080	
Rail			30kg/m		37kg/m		37kg/m		73kg/m		73kg/m		73kg/m	

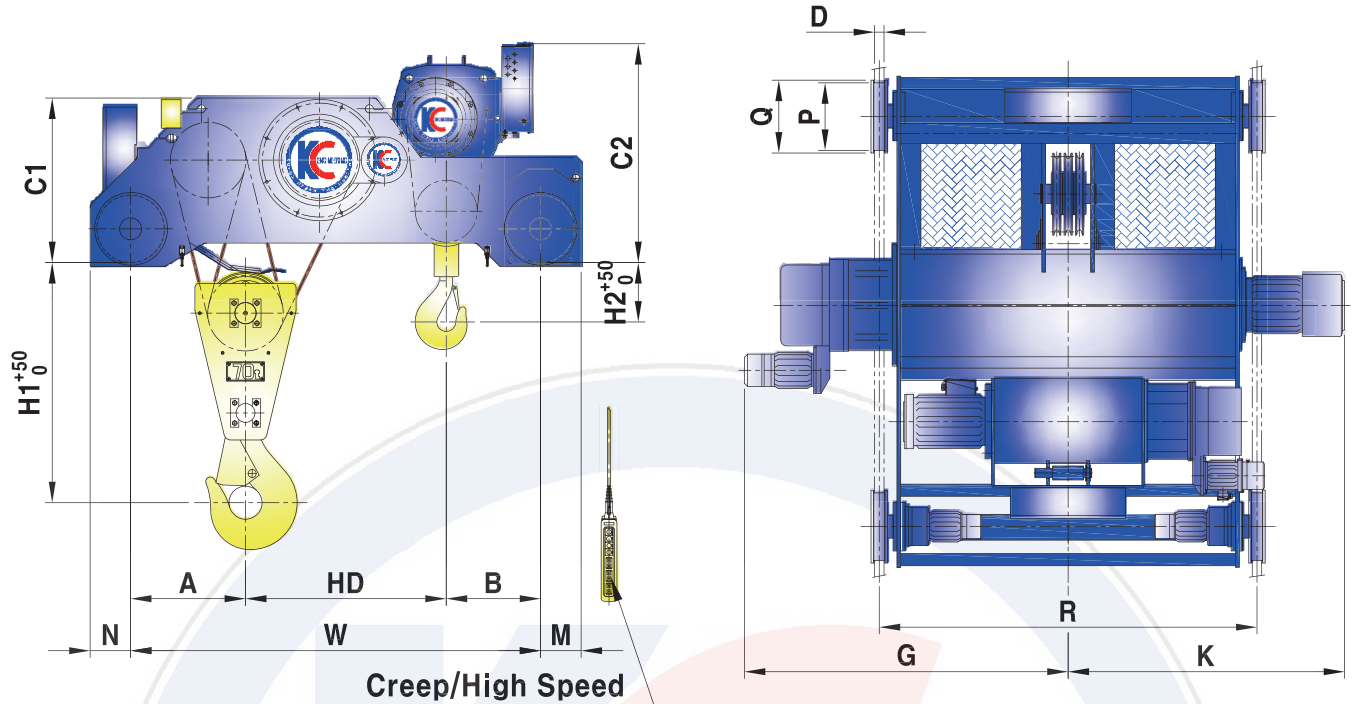
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Capacity (ton)			5/3		7.5/3		10/5		15/5		20/5		20/10	
Model No.			D0503-CC-H12		D07503-CC-H12		D1005-CC-H12		D1505-CC-H12		D2005-CC-H12		D2010-CC-H12	
Hoisting	Lift Height (m)		12		12		12		12		12		12	
	Speed (m/min)	50 (Hz)	4.7/0.47	7.5/0.75	3.1/0.31	7.5/0.75	3.7/0.37	4.7/0.47	3.7/0.37	4.7/0.47	3.5/0.35	4.7/0.47	3.5/0.35	3.7/0.37
		60 (Hz)	5.6/0.56	9/0.9	3.8/0.38	9/0.9	4.5/0.45	5.6/0.56	4.5/0.45	5.6/0.56	4.2/0.42	5.6/0.56	4.2/0.42	4.5/0.45
	Motor (kWxP)		5.5/1x6	5.5/1.1x4	5.5/1x6	5.5/1.1x4	9/1.1x8	5.5/1x6	13/1.8x8	5.5/1x6	17/1.8x8	5.5/1x6	17/1.8x8	9/1.1x8
	Wire Rope [ϕ xFalls]	Construction	6x37	6x37	6x37	6x37	6x37	6x37	6x37	6x37	6x37	6x37	6x37	6x37
		Dia.(mm) x No. of ropes	12.5x4	12.5x2	14x4	12.5x2	16x4	16x2	20x4	16x2	22.4x4	16x2	22.4x4	16x4
Brake		DC Magnet Disc Brake												
Traversing	Speed (m/min)	High 50/60 (Hz)	20/24		12.5/15		12.5/15		12.5/15		12.5/15		12.5/15	
		Low 50/60 (Hz)	13/16		8.3/10		8.3/10		8.3/10		8.3/10		8.3/10	
	Motor (kWxP)	High	0.75x4		0.75x4		0.75x4		1.5x4		1.5x4		1.5x4	
		Low	0.5x6		0.5x6		0.5x6		1x6		1x6		1x6	
Dimension (approx.) (mm)	H1		510		730		775		995		1175		1175	
	H2		270		350		390		365		350		425	
	R		1150		1150		1150		1200		1300		1300	
	HD		485		570		600		645		700		775	
	A		370		420		460		425		570		575	
	B		365		390		400		450		450		630	
	C1		550		550		695		860		900		900	
	C2		845		725		905		930		935		1180	
	G		1170		1185		1275		1385		1480		1480	
	K		885		870		1060		1065		1210		1210	
	W		1220		1380		1460		1520		1720		1980	
	D		47		58		58		58		58		58	
	M		110		110		110		130		170		170	
	N		125		120		120		140		170		170	
	P		165		165		165		180		220		220	
	Q		190		195		195		210		250		250	
Weight (approx.) (kg)			1385		1690		1950		2605		3070		3600	
Rail			15kg/m		15kg/m		15kg/m		22kg/m		22kg/m		22kg/m	

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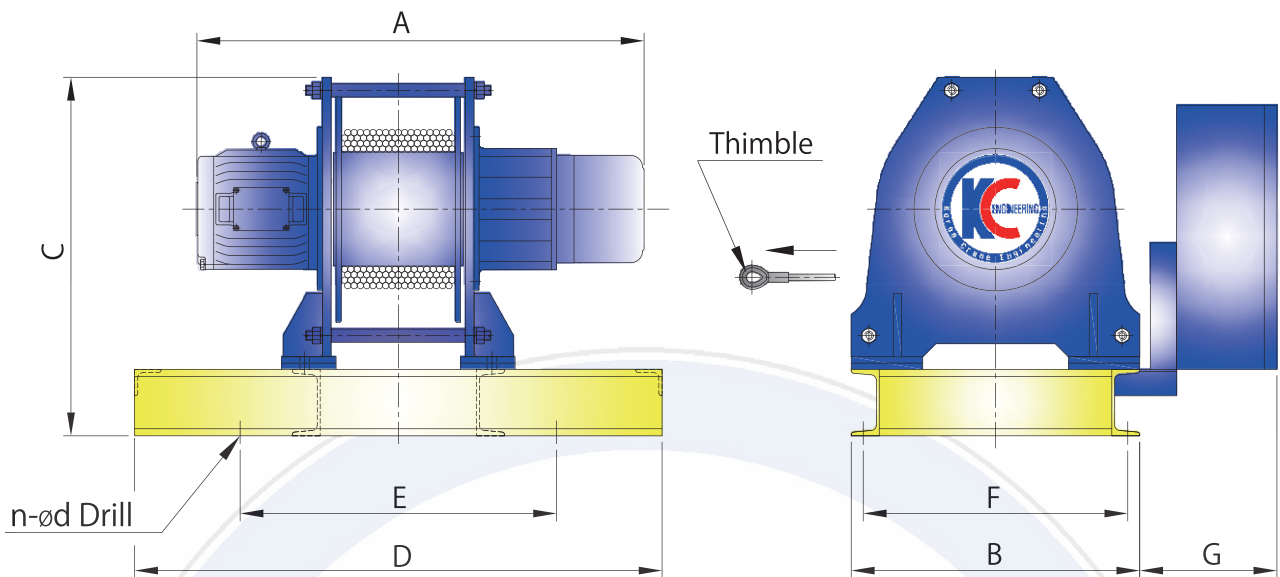
Main & Aux Type Hoist (Creep)



Capacity (ton)			30/10		35/10		40/10		50/10		60/20		70/20	
Model No.			D3010-CC-H12		D3510-CC-H12		D4010-CC-H12		D5010-CC-H12		D6020-CC-H12		D7020-CC-H12	
Hoisting	Lift Height (m)		12		12		12		12		12		12	
	Speed (m/min)	50 (Hz)	2.3/0.23	3.7/0.37	4/0.4	3.7/0.37	3.5/0.35	3.7/0.37	2.7/0.27	3.7/0.37	2/0.2	3.5/0.35	2/0.2	3.5/0.35
		60 (Hz)	2.8/0.28	4.5/0.45	4.8/0.48	4.5/0.45	4.2/0.42	4.5/0.45	3.2/0.32	4.5/0.45	2.4/0.24	4.2/0.42	2.4/0.24	4.2/0.42
	Motor (kWxP)		17/1.8x8	9/1.1x8	33/3.7x6/4	9/1.1x8	33/3.7x6/4	9/1.1x8	33/3.7x6/4	9/1.1x8	33/3.7x6/4	17/1.8x8	33/3.7x6/4	17/1.8x8
	Wire Rope [Φ x Falls]	Construction	6x37	6x37	6xFi(25)	6x37	6xFi(25)	6x37	6xFi(25)	6x37	6xFi(25)	6x37	6xFi(25)	6x37
		Dia.(mm) x No. of ropes	22.4x6	16x4	28x4	16x4	28x4	16x4	28x6	16x4	28x8	22.4x4	28x8	22.4x4
	Brake		DC Magnet Disc Brake											
Traversing	Speed (m/min)	High 50/60 (Hz)	12.5/15		12.5/15		12.5/15		12.5/15		12.5/15		12.5/15	
		Low 50/60 (Hz)	8.3/10		8.3/10		8.3/10		8.3/10		8.3/10		8.3/10	
	Motor (kWxP)	High	1.5x4 (2unit)		2.2x4		2.2x4		2.2x4 (2unit)		2.2x4 (2unit)		3.7x4 (2unit)	
		Low	1x6 (2unit)		1.5x6		1.5x6		1.5x6 (2unit)		1.5x6 (2unit)		2.2x6 (2unit)	
Dimension (approx.) (mm)		H1	1480		1490		1490		1680		1780		1780	
		H2	430		420		420		50		330		330	
		R	1800		1600		1600		2300		2800		2800	
		HD	1010		1100		1100		1300		1378		1378	
		A	780		740		740		968		968		968	
		B	550		560		560		657		579		579	
		C1	980		1013		1013		1220		1220		1220	
		C2	995		1333		1333		1460		1750		1750	
		G	1740		1735		1735		2060		2310		2310	
		K	1470		1360		1360		1715		1965		1965	
		W	2340		2400		2400		2925		2925		2925	
		D	70		70		70		80		80		80	
		M	160		215		215		275		275		275	
		N	180		215		215		275		275		275	
		P	250		355		355		450		450		500	
		Q	280		395		395		490		490		540	
Weight (approx.) (kg)			4820		6070		6070		8500		11290		11440	
Rail			30kg/m		37kg/m		37kg/m		73kg/m		73kg/m		73kg/m	

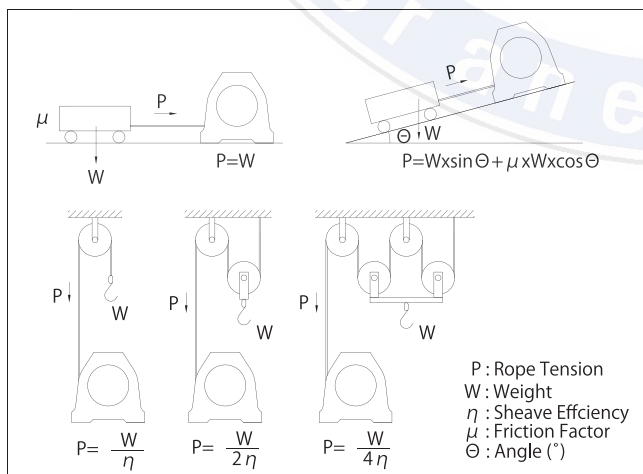
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Electric Wire Rope Winch



Capacity (kg)		500	1000	2000	3000	5000	7000
Model No.		KCEW005	KCEW010	KCEW020	KCEW030	KCEW050	KCEW070
Lifting	Height (m)	50	100	100	100	100	100
	Speed (m/min)	20/24	17/20	15/18	10/12	8/10	8/10
	50/60 (Hz)						
	Motor (kWxP)	2.4x4	3.7x4	5.5x4	5.5x6	9x8	13x8
	Wire Rope (Ø)	Ø9	Ø12	Ø16	Ø18	Ø20	Ø22.4
Brake		DC Magnet Disc Brake					
Power Source		AC 220/380/415/440/460V x 50/60Hz x 3ph					
Dimension (app.) (mm)	A	800	875	1180	1305	1805	1875
	B	440	560	560	740	600	830
	C	530	680	690	825	840	1070
	D	850	1000	1000	1000	2000	2180
	E	400	600	600	600	1600	1600
	F	404	500	500	680	540	750
	G	220	220	220	230	230	260
	n x Ød	4x18	6x18.5	6x18.5	6x20	8x27	8x32
Weight (approx.) (kg)		200	278	360	460	860	1800

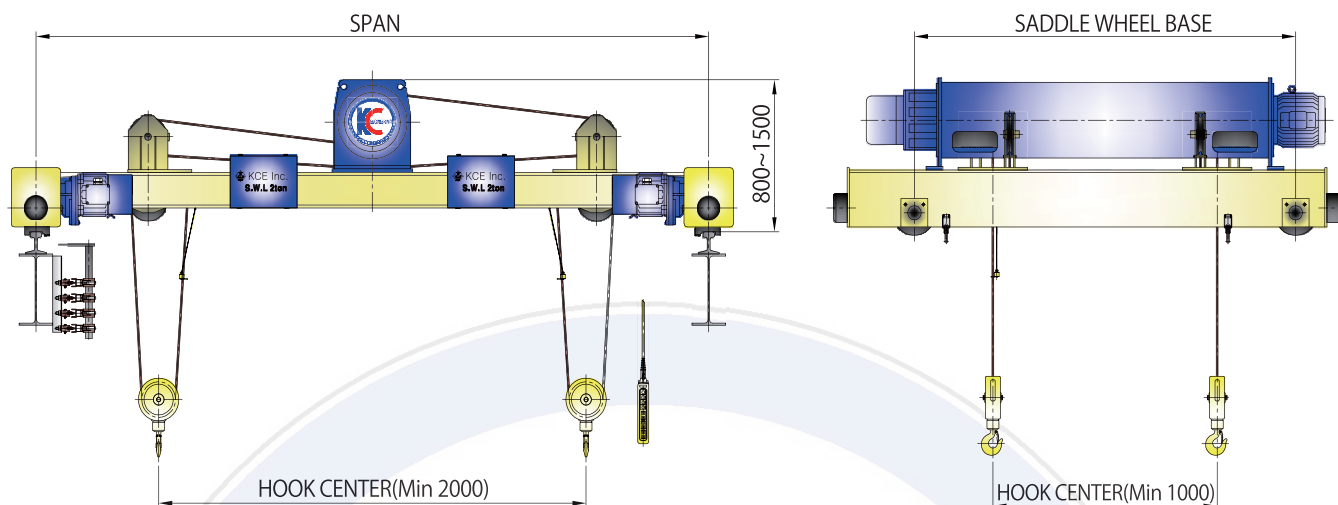
Rope Tension



How to select wire rope winch

- Rope Tension ----- Calculation rope tension (Left pic.)
 - Rope Distance ----- Calculation rope distance from load moving distance
 - Power ----- Choice power source
 - Control ----- Pendant Push Button Switch
Remote Control
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Multi Rope Synchronized Hoist

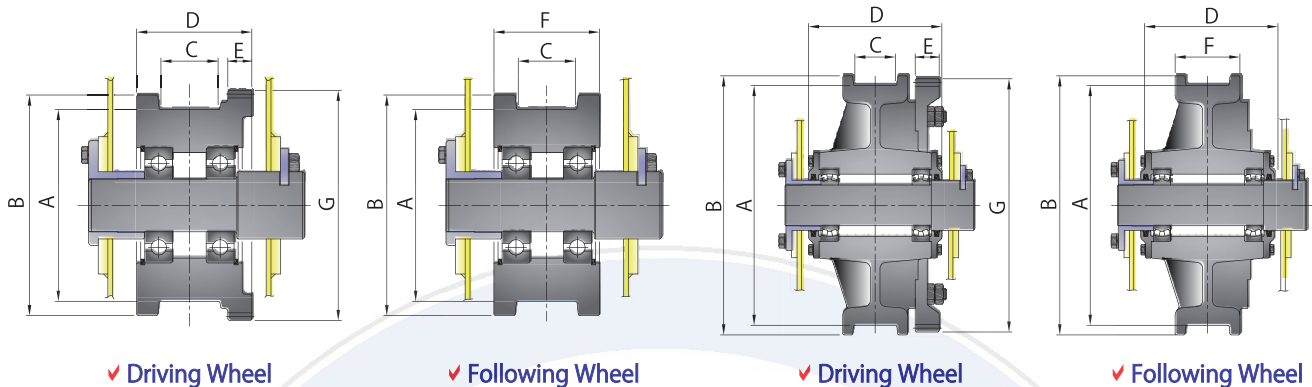


Capacity (ton)			2	3	5	7.5	10
FEM / ISO / CMAA			2m / M5 / CLASS C				
Span (m)			2.5 ~ 15	2.5 ~ 15	2.5 ~ 15	2.5 ~ 15	2.5 ~ 15
Hoisting	Speed (m/min)	High 50/60 (Hz)	8.3/10	7.5/9	4.6/5.6	3.1/3.8	3.7/4.5
		Low 50/60 (Hz)	4.1/5	3.7/4.5	3.5/4.2	2.3/2.8	2.5/3
		Creep 50/60 (Hz)	0.83/1	0.75/0.9	0.46/0.56	0.31/0.38	0.37/0.45
	Motor (kWxP)	High	3.7x4	5.5x4	5.5x6	5.5x6	9x8
		Low	1.8x8	2.8x8	4.2x8	4.2x8	6x12
		Creep	0.4x4	1.1x4	1x6	1x6	1.1x8
	Brake		DC Magnet Disc Brake				
Traversing	Speed (m/min)	High 50/60 (Hz)	18/22				
		Low 50/60 (Hz)	12/15				
	Motor (kWxP)	High	0.75x4 (2unit)				1.5x4 (2unit)
		Low	0.5x6 (2unit)				1.0x6 (2unit)
	Brake		DC Magnet Disc Brake				
Traversing wheel [mm]			Ø160 (S45CN)		Ø160~200 (S45CN)		Ø200~250 (S45CN)
Lift Height(m)			3 ~ 10				
Power source			AC - 380/415/440/460V x 50/60HZ x 3ph				
Control source			AC 110V / 48V				
Control method			Pendant Push Button S/W / Remote Control				
Wire rope			(6x37)+FC "B" Ø6	(6x37)+FC "B" Ø6	(6x37)+FC "B" Ø8	(6x37)+FC "B" Ø10	(6x37)+FC "B" Ø12.5
Travers rail			S.B 40, 50 / Crane rail JIS 15, 22, 30 kg/m				
Painting color			SSPC-SP-10(SA 2 1/2) Shot Blast, 2.5Y 8/12(Yellow 175micro)				
Protection			IP 54				
Motor insulation			B CLASS				
Safety Device			Load Limit, Upper Limit, Travers Limit, Pendant Switch				

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Crane Component : Travelling Wheel

Overhead Crane Type Wheel

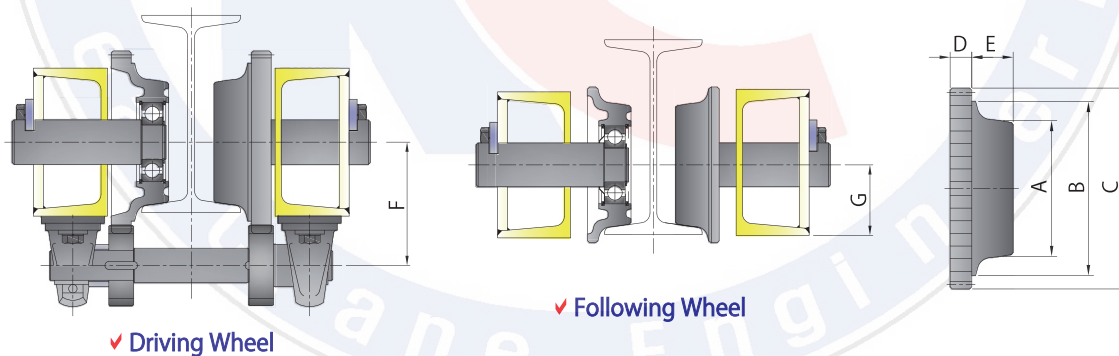


Ø160 ~ Ø250

Ø315 ~ Ø800

Wheel									Gear		Pinion		Application	Weight
A(mm)	B(mm)	C(mm) (15/30 kg/m)	D(mm)	E(mm)	F(mm)	G(mm)	Bearing	Material	Module & Teeth	Material	Module & Teeth	Material	Motor(kWxP)	4ea (kg)
160	190	63/72	120	25	110	200	6310ZZ	S45C	M4x48T	S45C	M4x16T	S45CN (Hs 55~60)	0.5x6/0.75x4	160
200	230	63/72	120	25	110	240	6311ZZ		M4x58T		M4x16T			230
250	280	63/72	120	25	110	295	6312ZZ		M5x57T		M5x15T		1.0x6/1.5x4	330
315	355	63/72	176	30	127	360	#22213		M5x70T		M5x15T			440
400	440	85	260	50	130	432	#22215	SCMn2A	M6x70T	SC49	M6x19T	S45CN (Hs 55~60)	1.5x6/2.2x4	750
500	540	90	278	50	135	528	#22217		M6x86T		M6x19T			1140
630	670	90	304	60	135	680	#22220		M8x83T		M8x16T		2.2x6/3.7x4 3.7x6/5.5x4	1490
710	750	90	324	60	135	730	#22222		M10x71T		M10x12T			1810
800	840	90	350	70	140	820	#22224		M10x80T		M10x12T			2560

Suspension Crane Type Wheel



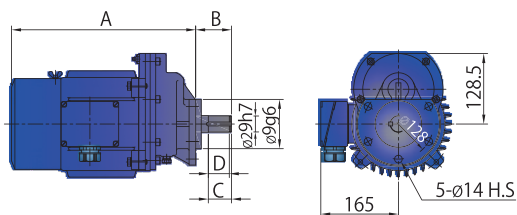
Ø125 ~ Ø180

Wheel									Gear		Pinion		Application	Weight
A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	Bearing	Material	Module & Teeth	Material	Module & Teeth	Material	Motor(kWxP)	4ea (kg)
125	160	185	20	38	125	75	6207ZZ	S45CN	M4x43T	S45CN	M4x17T	S45CN (Hs 55~60)	0.5x6/0.75x4	95
160	200	239	20	54	150	100	6209ZZ		M4x56T		M4x17T			200
180	220	248	25	64	161.5	100	6212ZZ		M5x49T		M5x14T		1.0x6/1.5x4	255

- All materials applied are suitable in specified ambient temperature.
- KCE Inc reserves the right to alter or amend the above information without notice.
- The size can be changed according to detailed design.

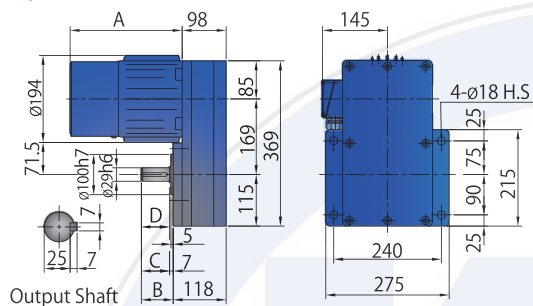
Crane Component : Geared Motor

A-Type



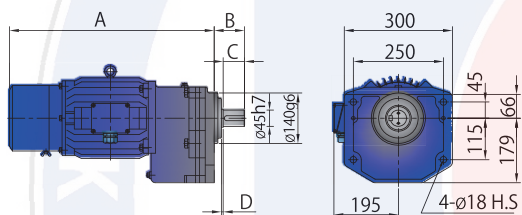
Cap. Dim.	0.5KW x 6P, 0.75KWx4P		1.0KW x 6P, 1.5KWx4P
A	336		371
B	56.5	77.5	87
C	29	34	64
D	25	30	60
Reduce Ratio	1/8.4, 1/12.12, 1/16.3		

B-Type



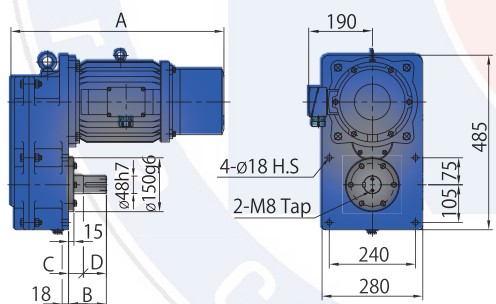
Dim. \ Cap.	0.5KW x 6P, 0.75KWx4P	1.0KW x 6P, 1.5KWx4P
A	215	250
B	71	71
C	64	64
D	60	60
Reduce Ratio	1/12.4, 1/16.3, 1/22	

C-Type



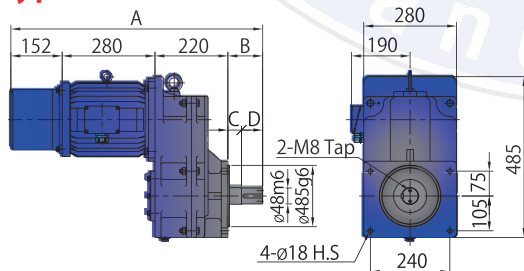
Dim. \ Cap.	1.5KW x 6P, 2.2KW x 4P
A	565
B	84
C	59
D	5
Reduce Ratio	1/20.26

D-Type



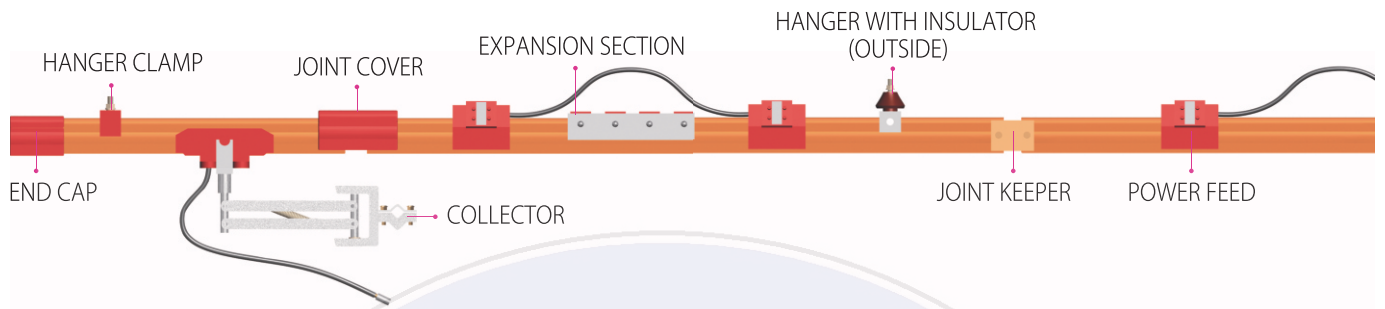
Dim. \ Cap.	2.2KW x 6P, 3.7KW x 4P, 5.5KWx4P
A	592
B	105
C	41
D	64
Reduce Ratio	1/22

E-Type



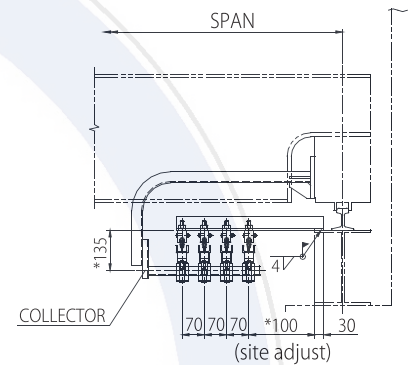
Dim. \ Cap.	2.2KW x 6P, 3.7KW x 4P, 5.5KWx4P
A	757
B	105
C	41
D	64
Reduce Ratio	1/22

- Feature 1) Geared motor with high standard gear guarantees quiet operation and comfortable work environment.
- 2) The user can choose the single speed or pole change speed according to purpose of usage.
- 3) All materials applied are suitable in specified ambient temperature.
- 4) KCE Inc reserves the right to alter or amend the above information without notice.

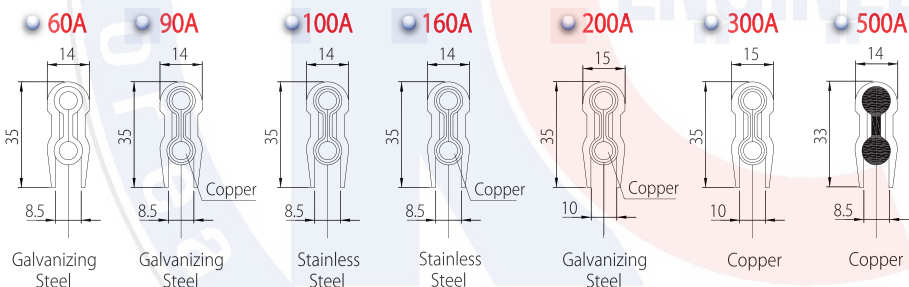


Trolley Bar Ampere Kind

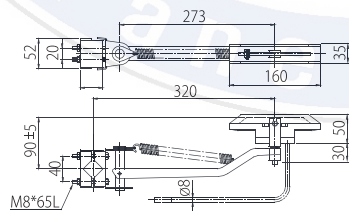
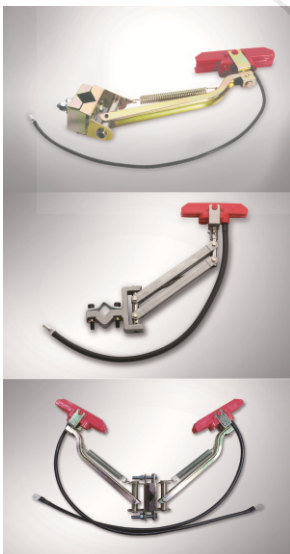
Rated Current(A)	Length (mm)	Weight (kg)	Item No.		Material
			Standard Type (70℃ Heatproof)	Special Type (110℃ Heatproof)	
60A	3000	2	ET-1-007	ET-2-007	Galvanized Steel
90A	3000	2	ET-1-001	ET-2-001	Galvanized Steel(85%)+Copper(15%)
100A	3000	2	ET-1-002	ET-2-002	STS304
150A	3000	2	ET-1-008	ET-2-008	Steel(50%)+Copper(50%)
160A	3000	3	ET-1-009	ET-2-009	STS304(50%)+Copper(50%)
200A	3000	3	ET-1-003	ET-2-003	Galvanized Steel(40%)+Copper(60%)
300A	3000	3.2	ET-1-005	ET-2-005	Copper
500A	3000	5.5	ET-1-011	ET-2-011	Copper(Solid)



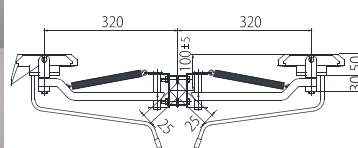
Material of Trolley Bar



Collector



Single Collector



Double Collector

Item No.	Collect Capacity(A)	Wight(kg)	Application	Type	Material
ECC-1-001	30A	0.81	Straight & Curve	Single	Steel
ECC-1-001	60A	0.85	Straight		
ECC-1-001	90A	0.9	Straight		
ECC-1-001	200A	1	Straight		

Item No.	Collect Capacity(A)	Wight(kg)	Application	Type	Material
ECC-1A-002	60A	1.37	Straight	Single	Aluminum
ECC-1A-003	90A	1.5	Straight		
ECC-1A-005	200A	1.6	Straight		

Item No.	Collect Capacity(A)	Wight(kg)	Application	Type	Material
ECC-1-001	120A	1.7	Straight	Double	Steel
ECC-1-002	180A	1.8	Straight		
ECC-1-003	400A	2.0	Straight		

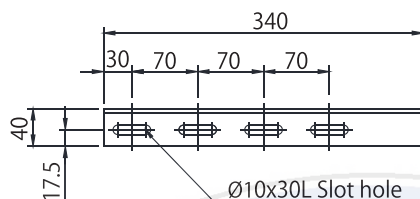
Trolley Bar System

EUNCHANG

Bracket



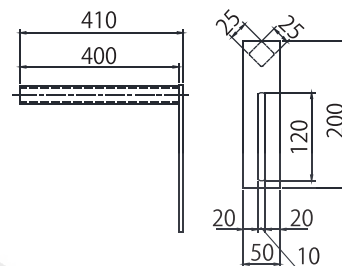
EC-BR-4P-340



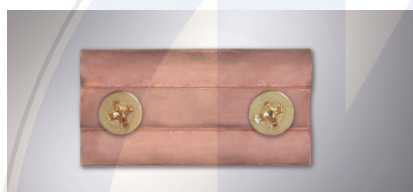
Mounting Bar



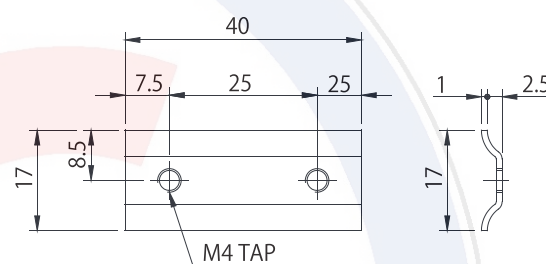
EJC-1-001



Joint Keeper

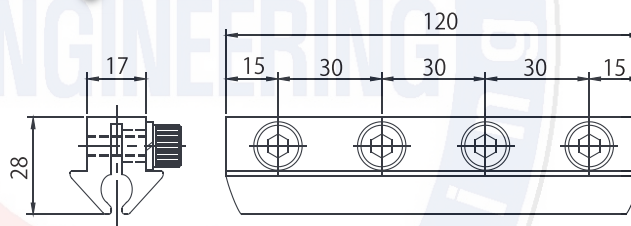


60A ~ 300A ▶▶▶▶▶▶▶▶



Item No.	Ampere	Weight(kg)	Material	Necessary quantity
EJK-1-001	60A~200A	0.01	COPPER	1 ea
EJK-1-002	300A	0.02	COPPER	2 ea
EJK-1-003	500A	0.6	COPPER	1 ea

500A ▶▶▶▶▶▶▶▶



Carbon Brush



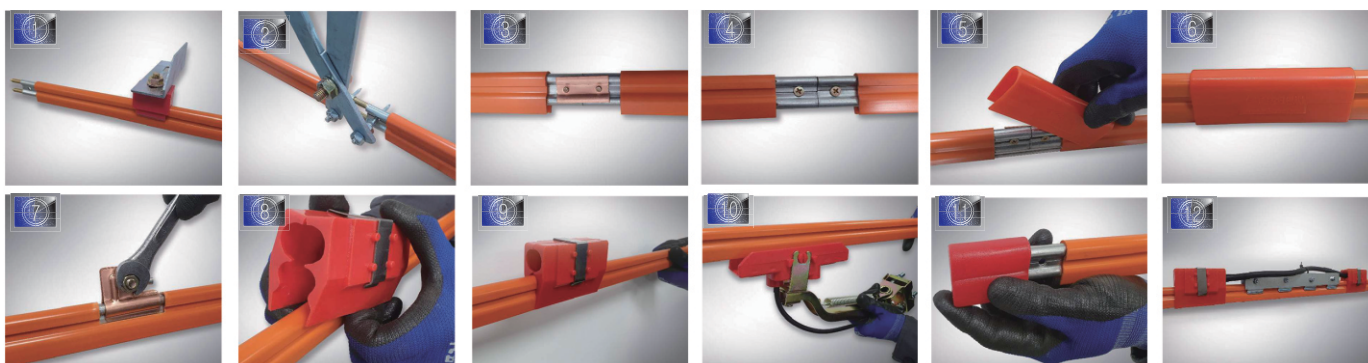
H-30A

C-60A

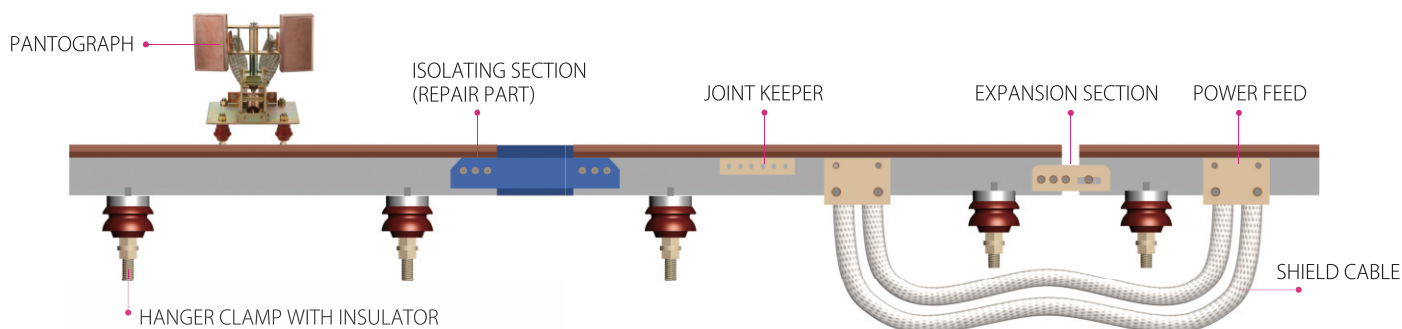
C-90A

C-200A

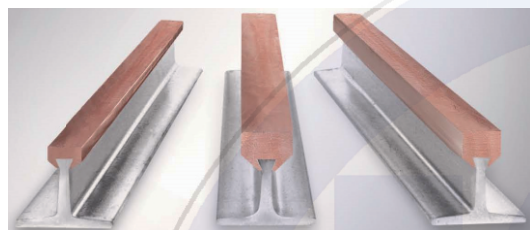
Installation Procedures for Trolley Bar



Copper Head Rail System



Steel Base Copper Head Rail

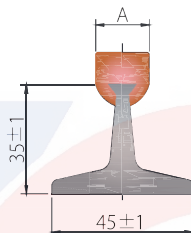


500A

1500A

800A

Ampere	~ 800A	1000A	1200A	~1800A	2000A
A(mm)	17	19	23	24	26



Item No.	Ampere	Material	Weight(kg)	Length(mm)
ES-STB-03	300A	SS400-CU	24	6000
ES-STB-05	500A	SS400-CU	26	6000
ES-STB-06	600A	SS400-CU	28	6000
ES-STB-08	800A	SS400-CU	30	6000
ES-STB-10	1000A	SS400-CU	36	6000
ES-STB-12	1200A	SS400-CU	41	6000
ES-STB-15	1500A	SS400-CU	51	6000
ES-STB-18	1800A	SS400-CU	53	6000
ES-STB-20	2000A	SS400-CU	58	6000

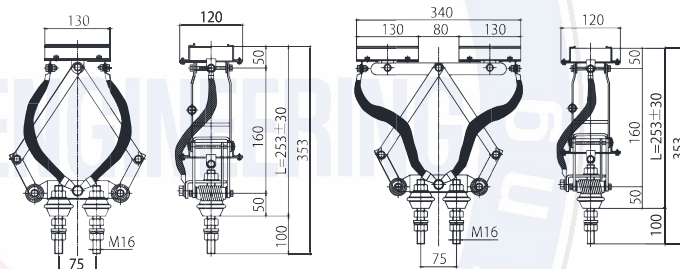
Pantograph



(EC-PG-001)

(EC-PG-002)

(EC-PG-005)



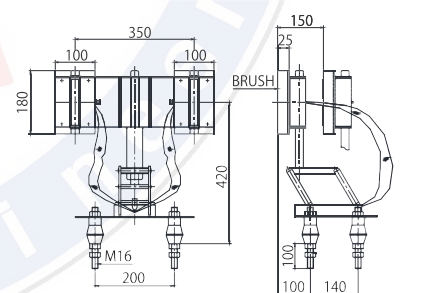
(EC-PG-001)

(EC-PG-002)

Expansion Section



Item No.	Ampere	Material
ES-STB-20	300A	BRASS
ES-STB-20	500A	BRASS
ES-STB-20	600A	BRASS
ES-STB-20	800A	BRASS
ES-STB-20	1000A	BRASS
ES-STB-20	1200A	BRASS
ES-STB-20	1500A	BRASS
ES-STB-20	1800A	BRASS
ES-STB-20	2000A	BRASS

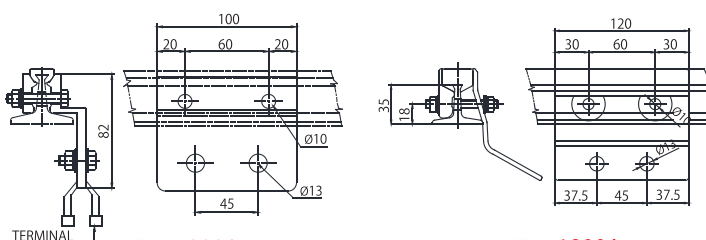


(EC-PG-005)

Power Feeder



Item No.	Ampere	Material
EC-SPF-01	300~1000A	BRASS
EC-SPF-12	1200A	COPPER
EC-SPF-15	1500A	COPPER
EC-SPF-18	1800A	COPPER
EC-SPF-20	2000A	COPPER



~1000A

~1800A

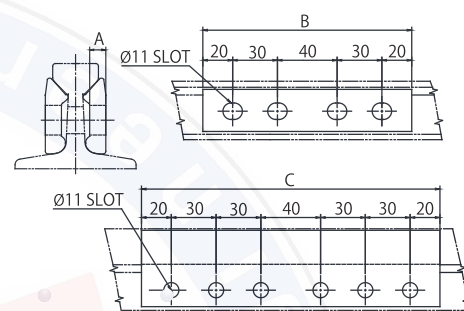
EUNCHANG



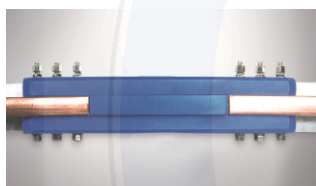
Joint Keeper



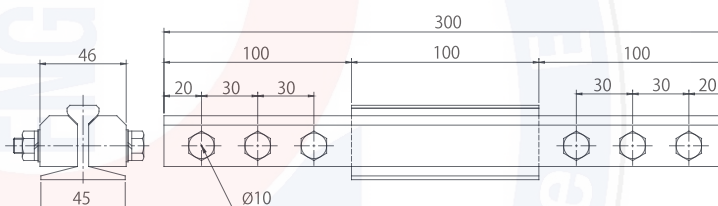
Ampere	A	B	C
300A	6	140	-
600A	8	140	-
1000A	8	-	200
1200A	10	-	200
~2000A	11	-	200



Isolating Section(Repair Part)

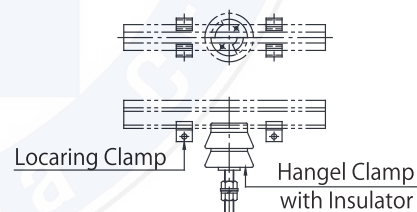
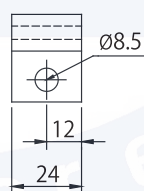
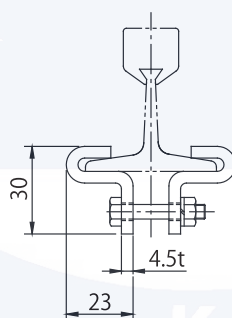


Item No.	Ampere	Length (mm)
EC-SIS-002	MC NYLON	100



● EC-SLC-002

Item No.	Ampere	Material
EC-SLC-001	0.19	SS400
EC-SLC-002	0.36	BRASS

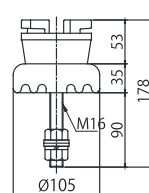


Hanger Clamp with Insulator

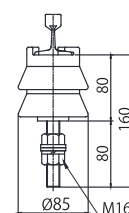


● EC-HC-1 ● EC-HC-2 ● EC-HC-3

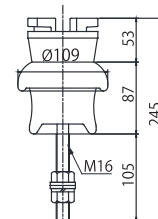
Item No.	Weight(kg)	Material
EC-HC-1	1.8	Porcelain
EC-HC-2	1.0	Epoxy
EC-HC-3	2.2	Porcelain



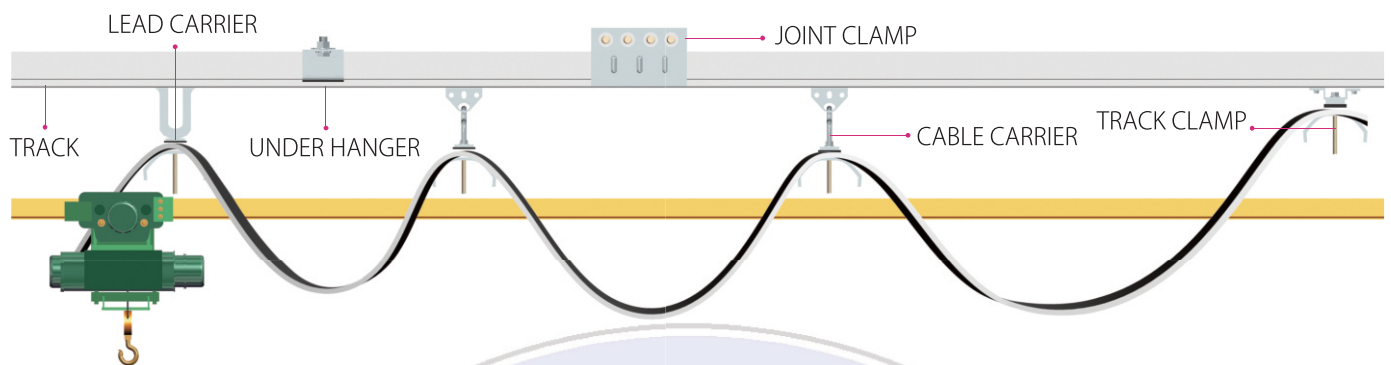
- EC-HC-1



- EC-HC-2



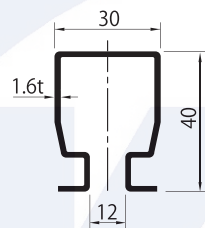
- EC-HC-3



Track



- Type : EC-SST-35
- Material : Steel, Aluminum, STS304
- The Load of Maximum Section : 60kg

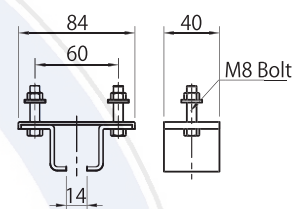


- Fixed Bracket Spacing : 1.5m
- Length of Track : Max. 5m

Under Hanger



- Type : EUH-1
- Material : Steel
- Surface Treatment : Galvanized

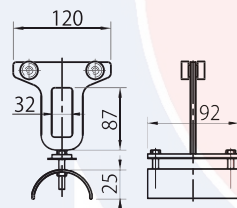


- Fixed Bracket Spacing : 1.5m
- AL Track Hanger is Option(EUH-1-AL)

Lead Carrier



- Type : ELC-1
- Material : Steel
- The Load of Maximum Section : 30kg

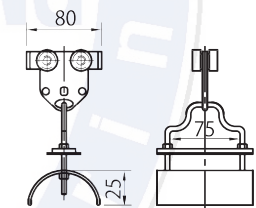


- Quantity required : 1ea/1Line
- Weight : 0.5kg/ea
- Surface Treatment : Galvanized

Cable Carrier

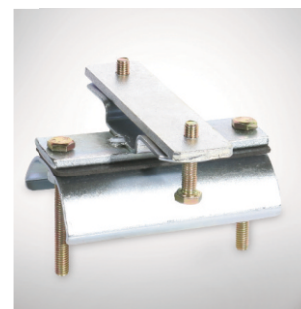


- Type : ECC-1
- Material : Steel
- Surface Treatment : Galvanized

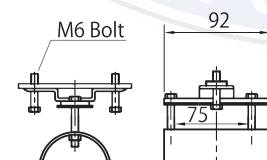


- Quantity required : 1ea/2m
- Weight : 0.4kg/ea
- Load of Maximum Section : 30kg

Track Clamp



- Type : ECT-1
- The Load of Maximum Section : 30kg

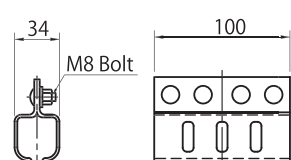


- Quantity required : 1ea/1Line
- Material : Steel

Joint Clamp

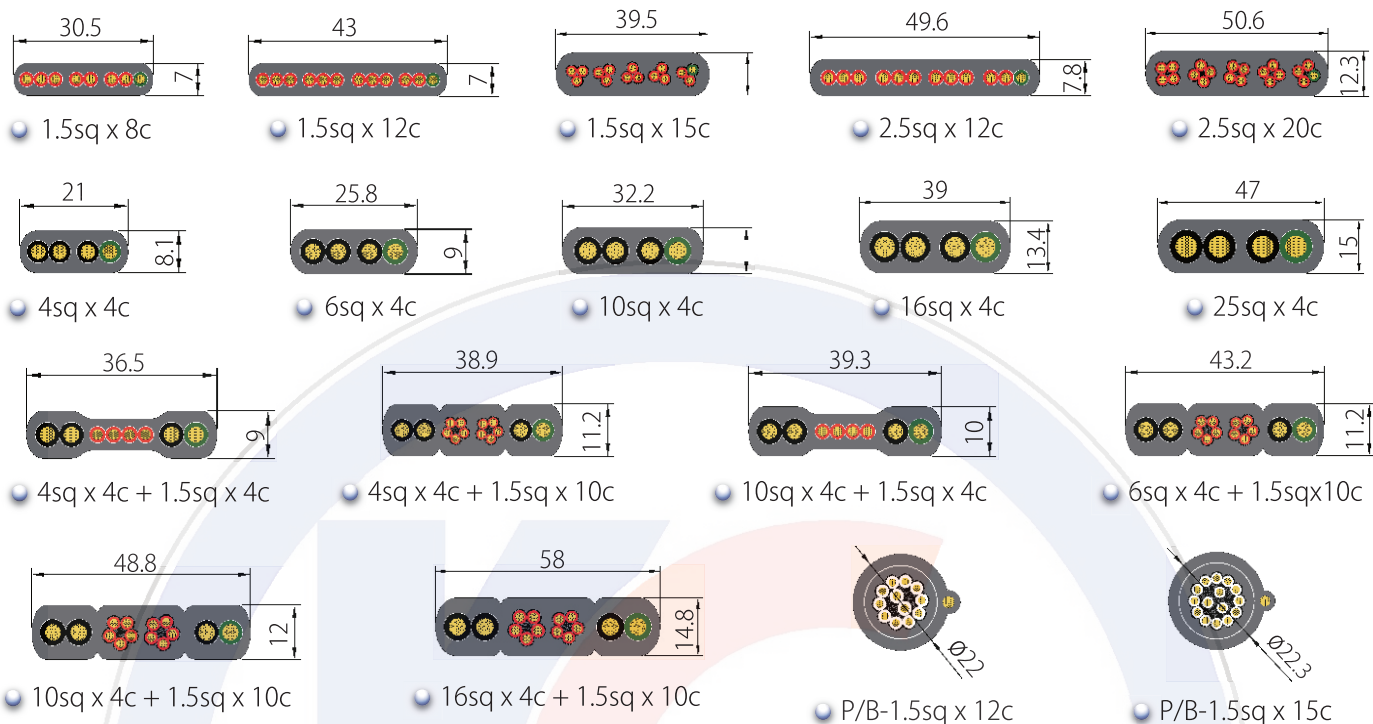


- Type : EJC-1
- Surface Treatment : Galvanized



- Quantity required : 1ea/1Line
- Material : Steel

Flat Cable (VCT-F)

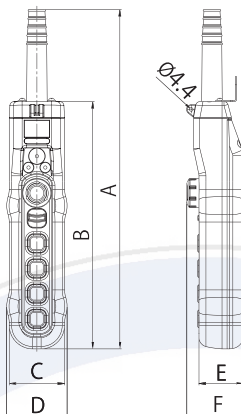


Symbol	No. of core(ea)	Conductor						
		Normal section area (mm ²)	No. & dia. of wire (No/mm)					
1.5sq x 8c	8	1.5	59 / 0.18	1.5	0.8	1.95	7 x 30	0.376
1.5sq x 12c	12	1.5	59 / 0.18	1.5	0.75	2.0	7 x 43	0.543
1.5sq x 15c	15	1.5	59 / 0.18	1.5	0.75	2.1	11 x 39.5	0.663
2.5sq x 12c	12	2.5	47 / 0.26	1.85	0.8	2.0	7.8 x 49.6	0.667
2.5sq x 20c	20	2.5	47 / 0.26	1.85	0.8	2.1	12.3 x 50.6	-
4sq x 4c	4	4.0	4 / 40 / 0.18	2.3	0.9	1.8 ~ 2.0	8.1 x 21	0.307
6sq x 4c	4	6.0	4 / 59 / 0.18	3.4	0.9	1.8 ~ 2.0	9 x 25.8	0.486
10sq x 4c	4	10	4 / 47 / 0.26	4.3	1.0	2.1	10.5 x 32.2	0.707
16sq x 4c	4	16	6 / 47 / 0.26 1 / 40 / 0.18	6.0	1.0	2.7	13.4 x 39	1.059
25sq x 4c	4	25	10 / 47 / 0.26	7.0	1.5	2.5	15 x 47	1.067
4sq x 4c + 1.5sq x 4c	4/4+1.5/4	4.0 / 1.5	4 / 40 / 0.18 59 / 0.18	2.3 / 1.5	0.9 / 0.75	1.8 ~ 2.0	9 x 36.5	0.502
4sq x 4c + 1.5sq x 10c	4/4+1.5/10	4.0 / 1.5	4 / 40 / 0.18 59 / 0.18	2.8 / 1.5	1.2 / 0.75	2.5 ~ 3.0	11.2 x 38.9	0.755
6sq x 4c + 1.5sq x 4c	6/4+1.5/10	6.0 / 1.5	4 / 59 / 0.18 59 / 0.18	3.4 / 1.5	1.0 / 0.75	1.8 ~ 2.0	10 x 39.3	0.635
6sq x 4c + 1.5sq x 10c	6/4+1.5/10	6.0 / 1.5	4 / 59 / 0.18 59 / 0.18	-	1.0 / 0.75	1.8 ~ 2.0	11.2 x 43.2	0.840
10sq x 4c + 1.5sq x 10c	10/4+1.5/10	10 / 1.5	4 / 47 / 0.26 59 / 0.18	4.3 / 1.5	1.0 / 0.75	2.5 ~ 2.8	12 x 48.8	1.010
16sq x 4c + 1.5sq x 10c	16/4+1.5/10	16 / 1.5	4 / 47 / 0.26 + 4 / 59 / 0.18 59 / 0.18	6.0 / 1.5	1.3 / 0.75	3.0 ~ 3.2	14.8 x 58	1.495
KEVV-HR 1.5sq x 12c	12	1.5	59 / 0.18	1.5	0.75	2.0 ~ 2.5 2.5 ~ 2.8	22 x 25	0.602
KEVV-HR 1.5sq x 15c	15	1.5	59 / 0.18	1.5	0.75	2.0 ~ 2.5 2.5 ~ 2.8	22.3 x 26	0.650

Accessory : Push Button / Rectifier / Brake

Push Button

KG AUTO



구분 (Division)	A	B	C	D	E	F
H04EAA (6 hole)	404.7	294.9	66.0	72.0	53.0	67.5
H06EAAA (8 hole)	464.7	354.9	66.0	72.0	53.0	67.5
정 격 (Rating)				6A 250V AC		
접 점 (Contact)				AgSnO2		
절연저항 (Insulation resistance)				100MΩ 이상(min)		
내전압(Dielectric strength)				1,500V AC 1분간(min)		
재 질 (Quality material)	바 디 (Case)		고충격용 ABS (High impact ABS)			
	전선보호구 (Wire protection)		NBR (고무) NBR (speciality rubber)			
사용주의온도(Temperature range)				-15℃ ~ + 45℃		
사용주의습도(Humidity range)				45 ~ 85% RH		
보호구조(Protection structure)				IP-65		

✓ Push Button Switch(IP65)

Rectifier

BUKUK ELECTRONIC



BK-SR60



BK-060J1, G1

Model	Input voltage	Output voltage	Max. output current
SR 60	AC 220	DC 99V	DC 6A
BK-060J1	AC 380~480V	DC 90V	DC 12A

- Applicable device

- ✓ Used for traveling and hoisting brake systems such as cranes and hoist.
- ✓ Electro-magnetic motor brake controller.
- ✓ Various mechanical devices using electromagnets.
- ✓ LED lamp displays the operating status.

- Characteristic

- ✓ LED lamp displays the operating status.
- ✓ By adopting the PWM method by the microprocessor, the voltage is soft applied when the brake coil is operated in the form of strong excitation and weak excitation.
- ✓ Compact and lightweight, easy to install.
- ✓ Operating temperature range: -20 °C to + 80 °C

Hoisting Brake

Korea Crane Engineering



✓ Brake Assembly

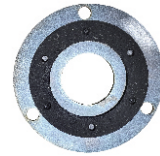
Amature



Brake Disk-A



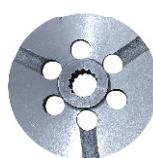
Brake Disk-B



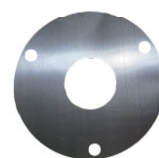
Moving Core



Brake Wheel



Spare Plate



- All materials applied are suitable in specified ambient temperature.
- KCE Inc reserves the right to alter or amend the above information without notice.
- The size can be changed according to detailed design.





PARTNERSHIP

Today's work is tomorrow heritage.

The right **choice** raises your **value**!

KOREA

 Korea Crane Engineering(KCE Inc)

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THAILAND

SIAM GOLD CRANE INTER TRADE CO.,LTD

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MIH ENGINEERING SDN BHD

CHINA

BEIJING HINGE TECH EQUIPMENT CO.,LTD

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FARAB EQUIPMENT MANUFACTURING CO.

SAUDI ARABIA

Power House Trading & Contracting Co.Ltd

BRAZIL

CSP_Companhia Siderúrgica do Pecém

Office/Factory : 140, đường Thanh Lộc 15, phường Thanh Lộc, quận 12, HCM
140, Thanh Loc 15 Street, Thanh Loc Ward, District 12, HCM

TEL : +84 (0)282-249-7700 / 7711 / 7733
+82 (0)70-4068-7985 / 7618-7985

E-mail : sales-vina@newkce.com



www.kcehoist.com