



호이스트
정격하중 3TON

WIRE ROPE HOIST

"Self-Rendering of All Parts"

Korea Crane Engineering remains true to its principles

Product information / Technical data



Korea Crane Engineering



"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.

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ELECTRIC WIRE HOIST

Specification

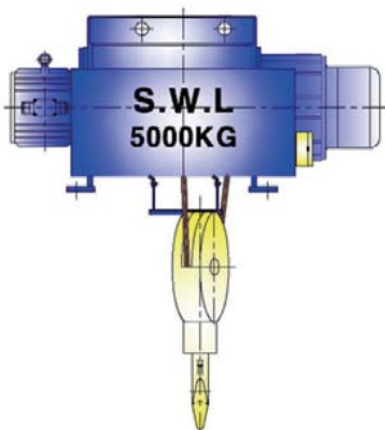
Hoist Specification		Mono-Rail Type			Double Rail Type	
		Foot Mounted Type	Motor Driven Type	Low Head Type (Motor Driven)	Motor Driven Type	Low Head Type (Motor Driven)
Accessories and indication	Push-button, switch and button indication	4-Point(emergency -lamp-up-down)	6-Point(emergency-lamp-up-down-east-west) 8-Point(emergency-lamp-up-down-east-west-south-north)			
	Hoist body traverser	Hoist body and traverser are separately furnished spacers and suspension bolts belongs to the traverser			Hoist body and traverser are integrated	
Specification	Power supply	1 ~ 70t : AC Three phases power source 220/380/415/440/460/480 x 50/60HZ x 3ph				
	Ambient temperature	-10° C~40° C				
	Construction	Weather and dust proof				
	Utilization factor	$\%ED = \frac{\text{Motor Powered time(min) in one hour with maximum work rate}}{60(\text{min})} \times 100$				
	Coating color	Munsell No. for the hoist body : 10B3/5, for the hook : 8.1YR 7.6/15.2				

Explanation of the type designation

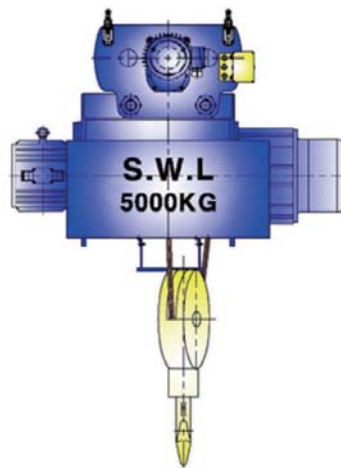
	Type		
		Foot Mounted Type	NF
		Mono-Rail Type	N
		Low Head Type	NL
		Double Rail Type	D
		Double Low Head Type	DL
		Main & aux Type	
	EX-PROOF	Z	
	Rated Load	Mono-Rail Type	1, 2, 3, 5, 7.5, 10, 15, 20
		Low Head Type	1, 2, 3, 5, 7.5
		Double Rail Type	2, 3, 5, 7.5, 10, 15, 20, 30, 35, 40, 50, 60, 70
		Double Low Head Type	2, 3, 5, 7.5, 10, 15, 20
	Hoisting Speed	Normal Speed (Single Speed)	N
		Creep Speed (Dual Speed)	C
	Lift	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
	Inverter	H/T Inverter	IC-H
		T/S Inverter	IC-T
		H/T, T/S Inverter	IC

Type of Wire Rope Hoist

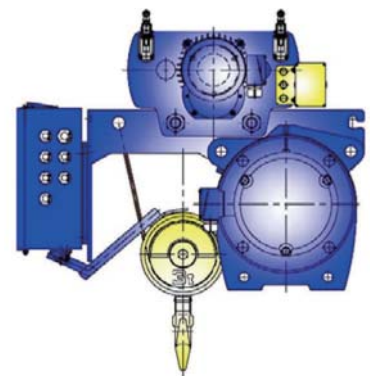
Foot Mounted Type



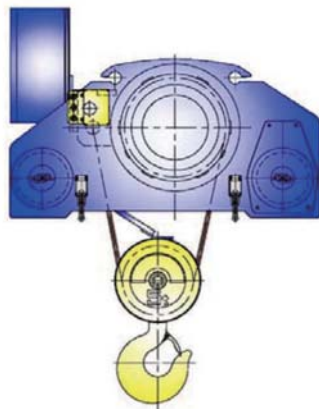
Mono-Rail Type



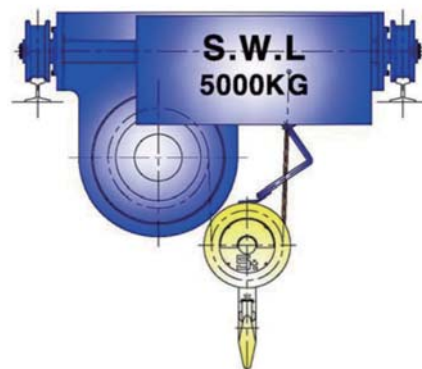
Low Head Type



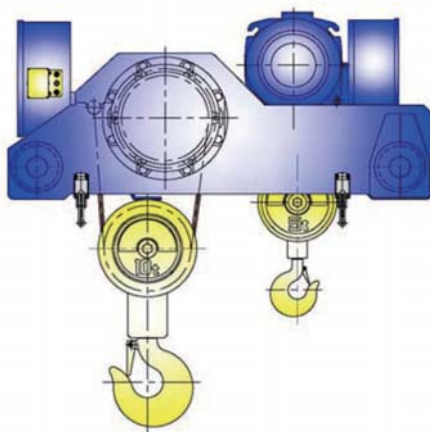
Double Rail Type



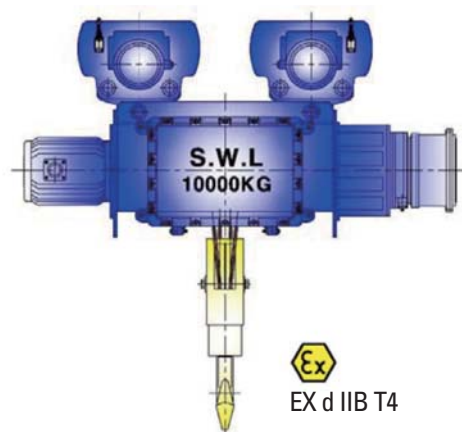
Double Low Head Type



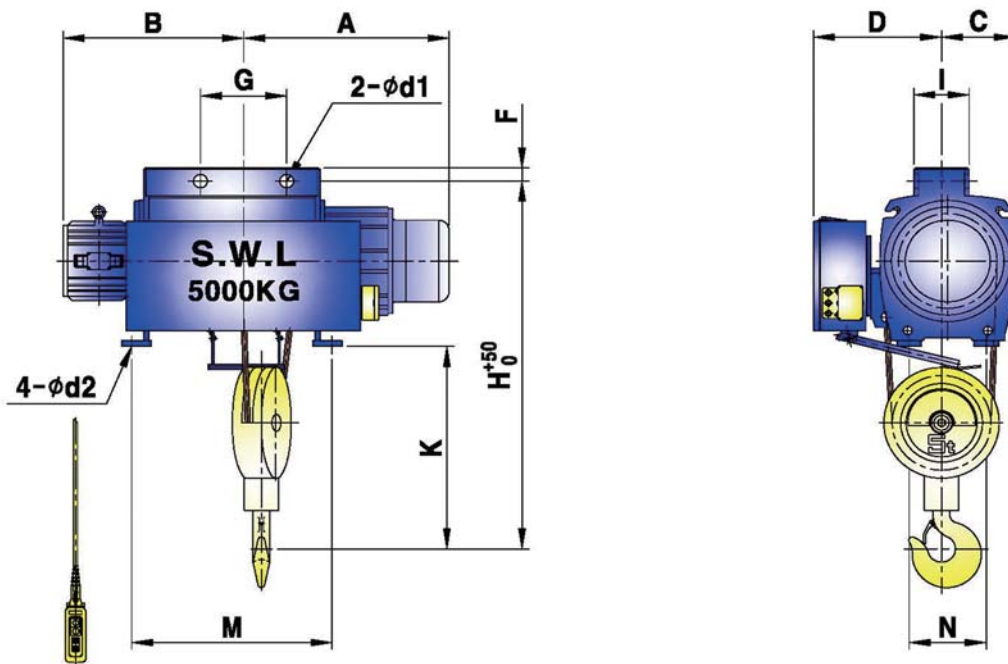
Main & Aux Type



EX-PROOF Type



Foot Mounted Type Hoist



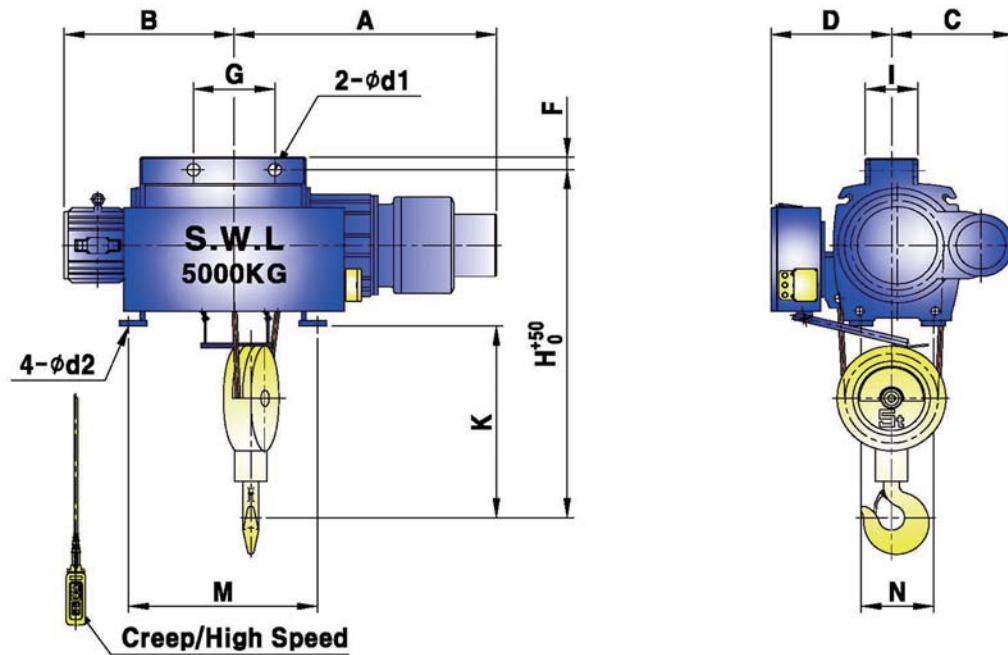
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Capacity (ton)			1	2	3	5	7.5	10	15	20
Model No.			NF01-N-H06	NF02-N-H06	NF03-N-H06	NF05-N-H06	NF075-N-H12	NF10-N-H12	NF15-N-H12	NF20-N-H12
Hoisting	Lift Height (m)		6 (12)	6 (12)	6 (12)	6 (12)	12	12	12	12
	Speed (m/min)	High 50/60 (Hz)	10/12	8.4/10	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 (Øx 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	

Note : 1) Figures in parentheses are for Hoists of 12-meter lift spacers. 2) Please make a contact about hoist with over 12m lift length.



Foot Mounted Type Hoist (Creep)

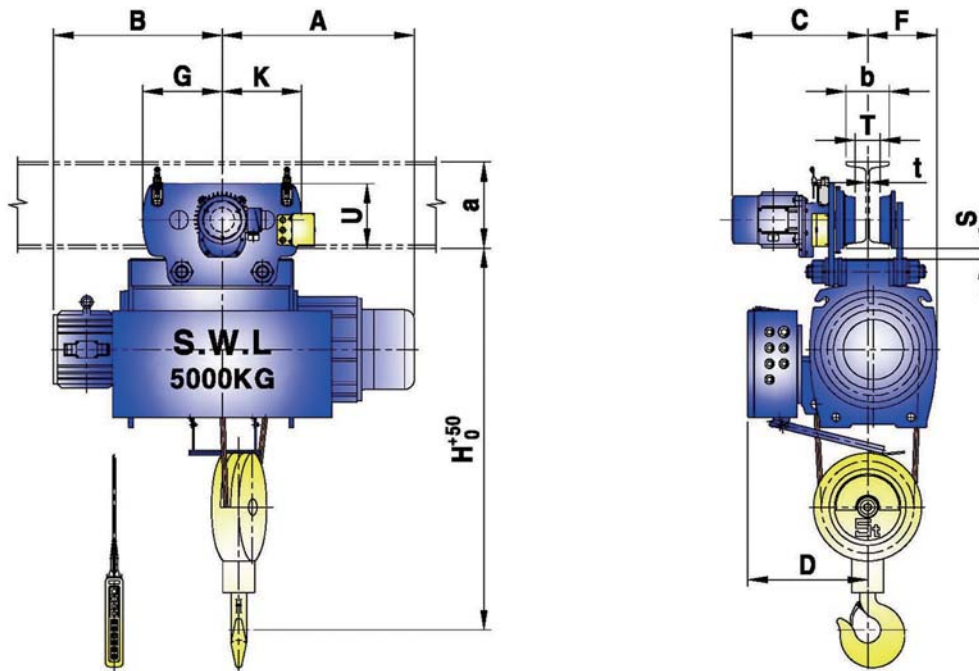


Capacity (ton)			1	2	3	5	7.5	10	15	20
Model No.			NF01-C-H06	NF02-C-H06	NF03-C-H06	NF05-C-H06	NF075-C-H12	NF10-C-H12	NF15-C-H12	NF20-C-H12
Hoisting	Lift Height (m)		6 (12)	6 (12)	6 (12)	6 (12)	12	12	12	12
	Speed (m/min)	50 (Hz)	10/1	8.4/0.84	7.5/0.75	4.7/0.47	3.1/0.31	3.7/0.37	3.7/0.37	3.5/0.35
		60 (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 (\varnothing 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	

Note : 1) Figures in parentheses are for Hoists of 12-meter lift spacers. 2) Please make a contact about hoist with over 12m lift length.



Mono-Rail Type Hoist with Motor Driven Trolley



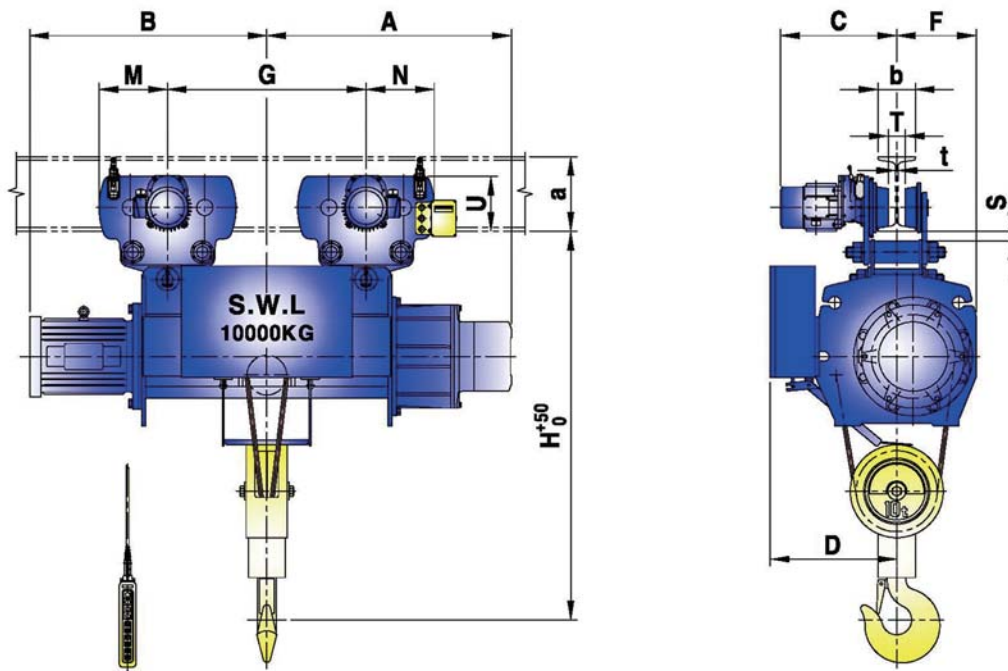
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Capacity (ton)		1	2	3	5
Model No.		N01-N-H06	N02-N-H06	N03-N-H06	N05-N-H06
Hoisting	Lift Height (m)	6 (12)	6 (12)	6 (12)	6 (12)
	Speed (m/min)	High 50/60 (Hz) Low 50/60 (Hz)	10/12 5/6	8.4/10 4.2/5	7.5/9 3.7/4.5
	Motor (kWxP)	High Low	2.4x4 1.2x8	3.7x4 1.8x8	5.5x4 2.8x8
	Wire Rope (Øx Falls)	Construction Dia.(mm) x No. of ropes	6x37 8x2	6x37 10x2	6x37 12.5x2
	Brake	DC Magnet Disc Brake			
Traversing	Speed (m/min)	High 50/60 (Hz) Low 50/60 (Hz)	20/24 13/16	20/24 13/16	20/24 13/16
	Motor (kWxP)	High Low	0.4x4 0.2x6	0.75x4 0.5x6	0.75x4 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 : 1) Figures in parentheses are for Hoists of 12-meter lift spacers. 2) Please make a contact about hoist with over 12m lift length.
3) Dimensions of i-beam in yellow sections are standard ones. Other I-beam size also can be used by changing spacers.



Mono-Rail Type Hoist with Motor Driven Trolley

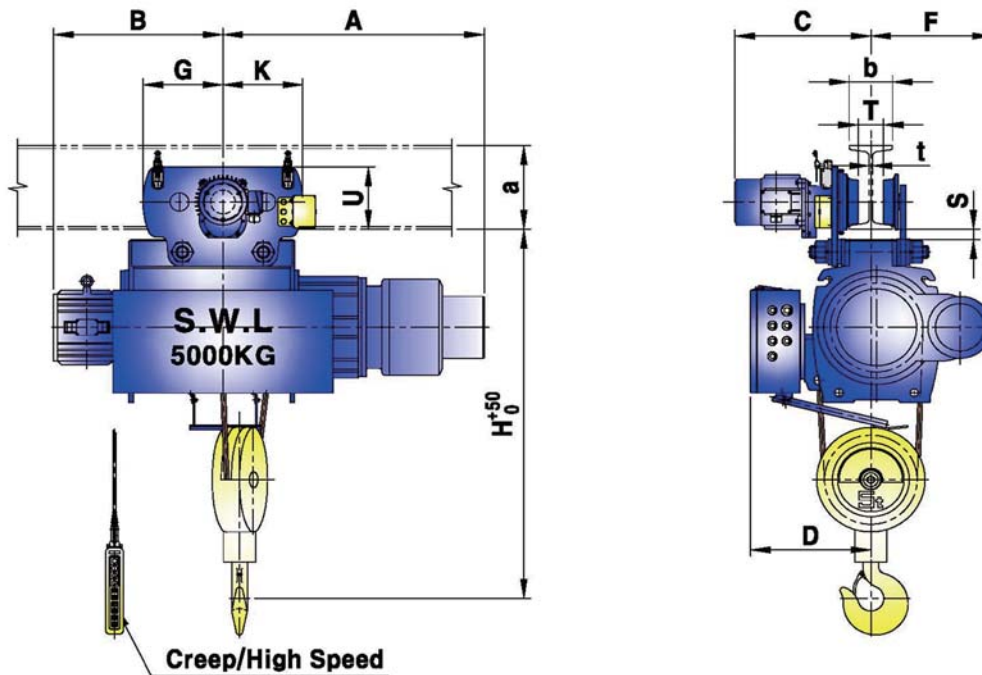


Capacity (ton)			7.5					10					15					20				
Model No.			N075-N-H12					N10-N-H12					N15-N-H12					N20-N-H12				
Hoisting	Lift Height (m)		12					12					12					12				
	Speed (m/min)	High 50/60 (Hz)	3.1/3.8					3.7/4.5					3.7/4.5					3.5/4.2				
		Low 50/60 (Hz)	2.3/2.8					2.5/3					2.5/3					2.3/2.8				
	Motor (kWxP)	High	5.5x6					9x8					13x8					17x8				
		Low	4.2x8					6x12					8.5x12					11.5x12				
	Wire Rope (ØxFalls)	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 : 1) Please make a contact about hoist with over 12m lift length.

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

Mono-Rail Type Hoist with Motor Driven Trolley (Creep)



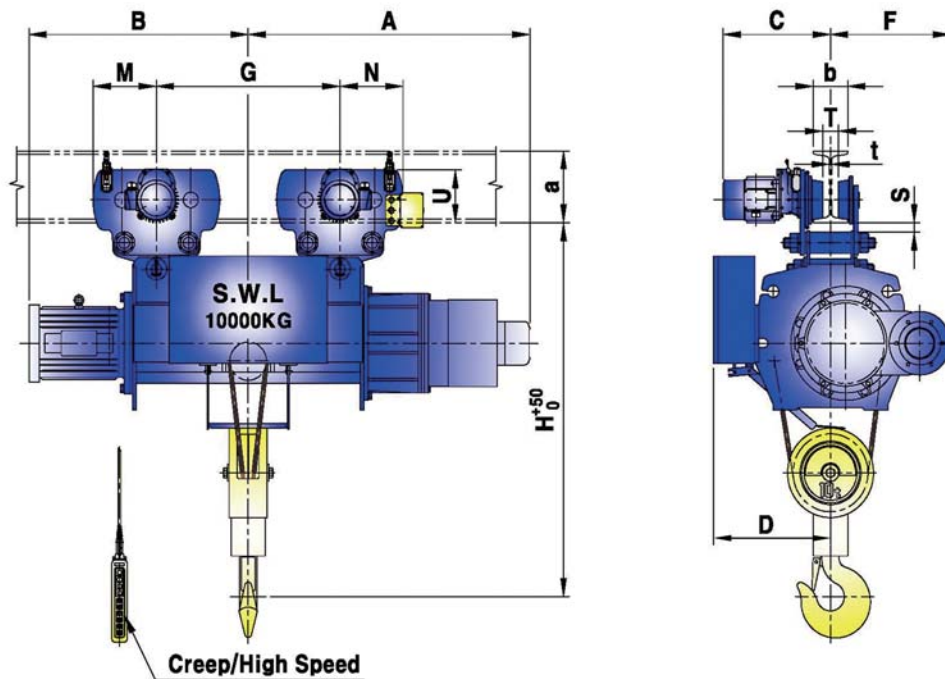
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Capacity (ton)				1				2				3				5				
Model No.				N01-C-H06				N02-C-H06				N03-C-H06				N05-C-H06				
Hoisting	Lift Height (m)			6 (12)				6 (12)				6 (12)				6 (12)				
	Speed (m/min)	50 (Hz)		10/1				8.4/0.84				7.5/0.75				4.7/0.47				
		60 (Hz)		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 (ØxFalls)	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 : 1) Figures in parentheses are for Hoists of 12-meter lift spacers. 2) Please make a contact about hoist with over 12m lift length.
3) Dimensions of i-beam in yellow sections are standard ones. Other I-beam size also can be used by changing spacers.



Mono-Rail Type Hoist with Motor Driven Trolley (Creep)

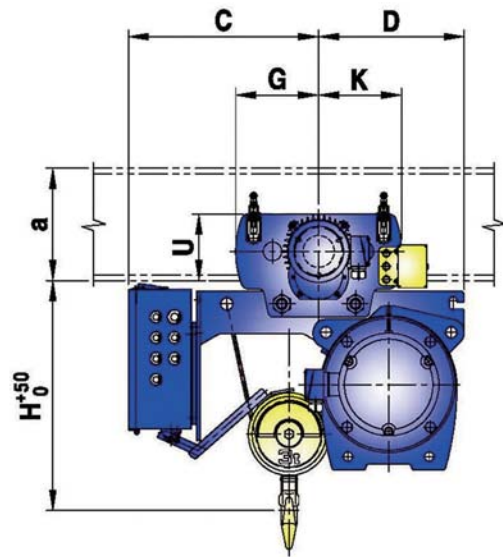
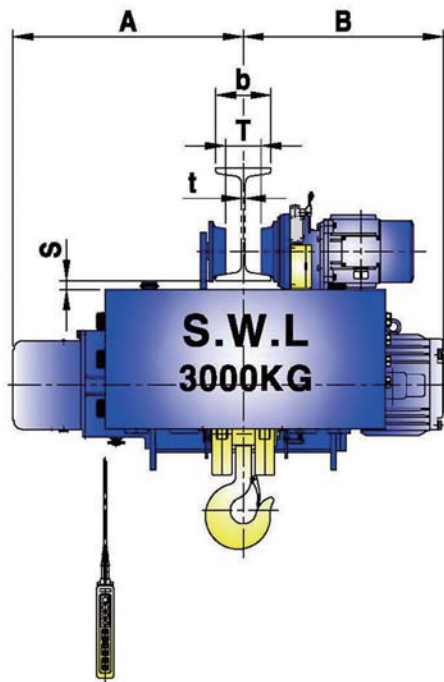


Capacity (ton)				7.5				10				15				20				
Model No.				N075-C-H12				N10-C-H12				N15-C-H12				N20-C-H12				
Hoisting	Lift Height (m)			12				12				12				12				
	Speed (m/min)	50 (Hz)			3.1/0.31				3.7/0.37				3.7/0.37				3.5/0.35			
		60 (Hz)			3.8/0.38				4.5/0.45				4.5/0.45				4.2/0.42			
	Motor (kWxP)			5.5/1x6				9/1.1x8				13/1.8x8				17/1.8x8				
	Wire Rope (Øx 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				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 : 1) Please make a contact about hoist with over 12m lift length.

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

Low Head Type Hoist with Motor Driven Trolley



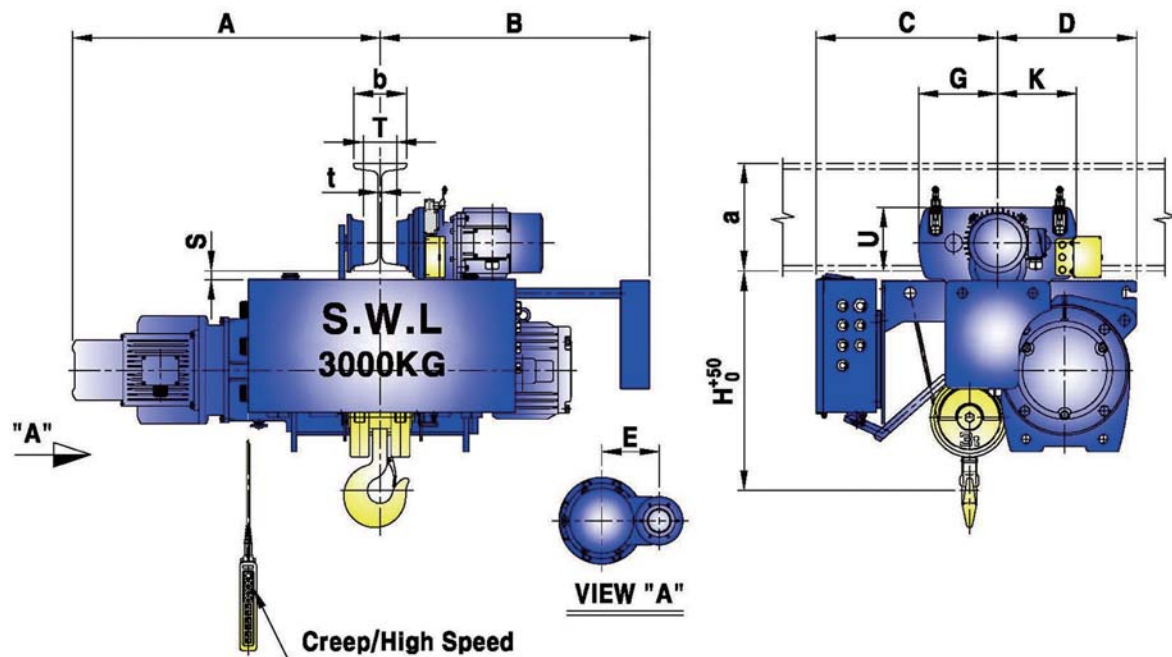
Capacity (ton)			1			2			3			5			7.5		
Model No.			NL01-N-H06			NL02-N-H06			NL03-N-H06			NL05-N-H06			NL075-N-H12		
Hoisting	Lift Height (m)		6			6			6			6			12		
	Speed (m/min)	High 50/60 (Hz)	10/12			8.4/10			7.5/9			4.7/5.6			3.1/3.8		
		Low 50/60 (Hz)	5/6			4.2/5			3.7/4.5			3.5/4.2			2.3/2.8		
	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 (Øx 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 : 1) Please make a contact about hoist with over 12m lift length.

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



Low Head Type Hoist with Motor Driven Trolley (Creep)

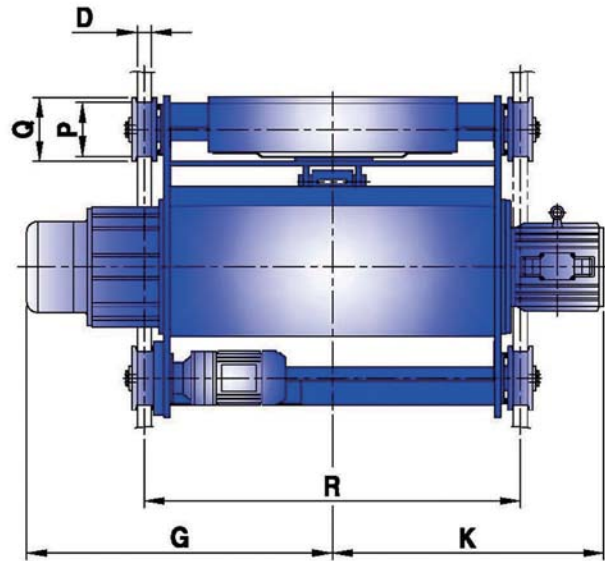
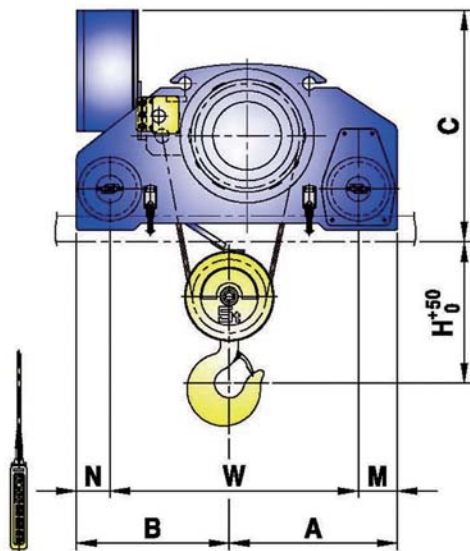


Capacity (ton)			1			2			3			5			7.5		
Model No.			NL01-C-H06			NL02-C-H06			NL03-C-H06			NL05-C-H06			NL075-C-H12		
Hoisting	Lift Height (m)		6			6			6			6			12		
	Speed (m/min)	50 (Hz)	10/1			8.4/0.84			7.5/0.75			4.7/0.47			3.1/0.31		
		60 (Hz)	12/1.2			10/1			9/0.9			5.6/0.56			3.8/0.38		
	Motor (kWxP)		2.4/0.4x4			3.7/0.4x4			5.5/1.1x4			5.5/1x6			5.5/1x6		
	Wire Rope (ØxFalls)	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			730			1300			

Note : 1) Please make a contact about hoist with over 12m lift length.

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

Double Rail Type Hoist with Motor Driven Trolley

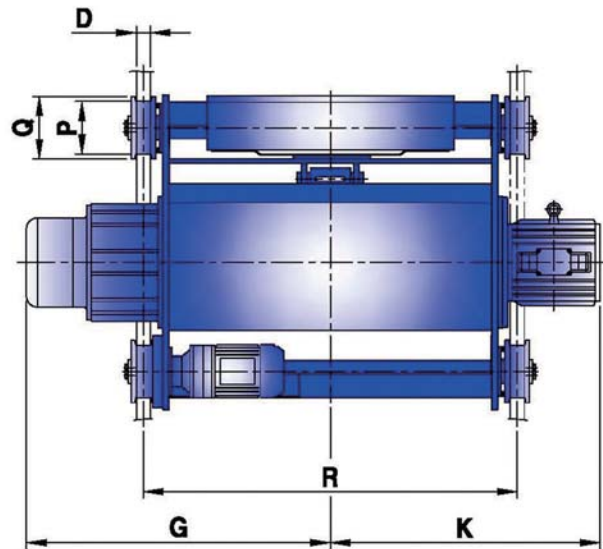
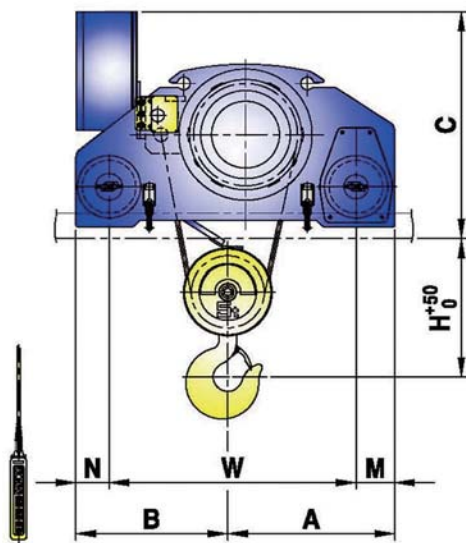


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Capacity (ton)			2	3	5	7.5
Model No.			D02-N-H12	D03-N-H12	D05-N-H12	D075-N-H12
Hoisting	Lift Height (m)		12	12	12	12
	Speed (m/min)	High 50/60 (Hz)	8.4/10	7.5/9	4.7/5.6	3.1/3.8
		Low 50/60 (Hz)	4.2/5	3.7/4.5	3.5/4.2	2.3/2.8
	Motor (kWxP)	High	3.7x4	5.5x4	5.5x6	5.5x6
		Low	1.8x8	2.8x8	4.2x8	4.2x8
	Wire Rope (ØxFalls)	Construction	6x37	6x37	6x37	6x37
		Dia.(mm) x No. of ropes	8x4	9x4	12.5x4	14x4
Brake		DC Magnet Disc Brake				
Traversing	Speed (m/min)	High 50/60 (Hz)	20/24	20/24	20/24	12.5/15
		Low 50/60 (Hz)	13/16	13/16	13/16	8.3/10
	Motor (kWxP)	High	0.75x4	0.75x4	0.75x4	0.75x4
		Low	0.5x6	0.5x6	0.5x6	0.5x6
Dimension (approx.) (mm)	H	415	420	510	730	
	R	950	950	1150	1150	
	A	465	465	510	535	
	B	390	390	470	480	
	C	500	600	550	645	
	G	740	785	935	925	
	K	690	705	830	835	
	W	650	650	760	800	
	D	47	47	58	58	
	M	115	115	125	120	
	N	90	90	110	95	
	P	140	140	165	165	
	Q	170	170	190	195	
Weight (approx.) (kg)		450	550	850	900	
Rail (kg/m)		15	15	15	15	

Note : 1) Please make a contact about hoist with over 12m lift length.

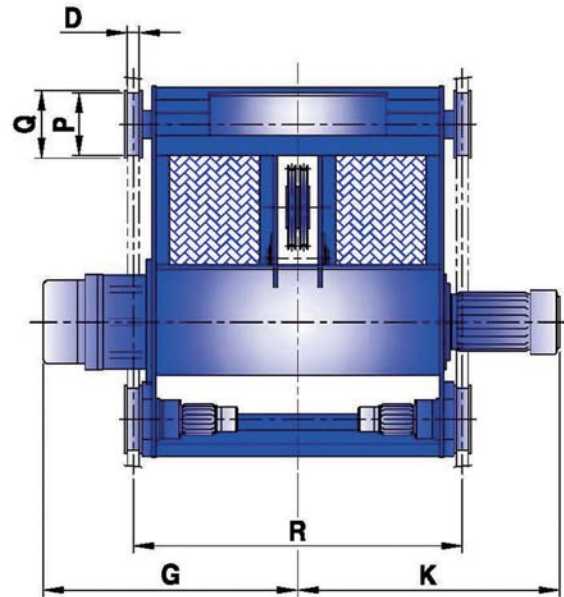
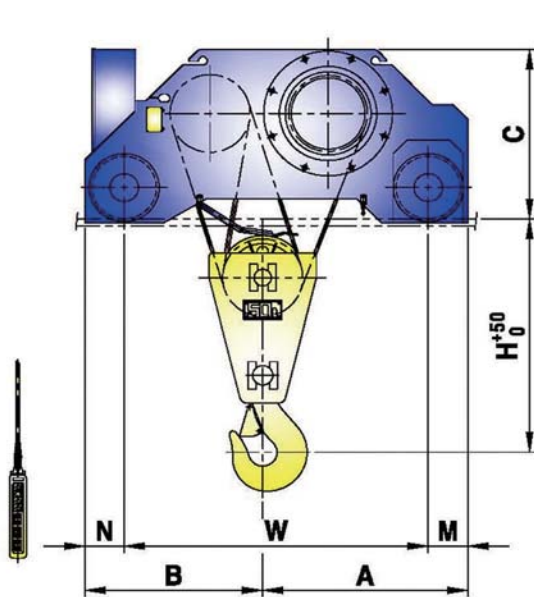
Double Rail Type Hoist with Motor Driven Trolley



Capacity (ton)			10	15	20	30
Model No.			D10-N-H12	D15-N-H12	D20-N-H12	D30-N-H12
Hoisting	Lift Height (m)		12	12	12	12
	Speed (m/min)	High 50/60 (Hz)	3.7/4.5	3.7/4.5	3.5/4.2	2.3/2.8
		Low 50/60 (Hz)	2.5/3	2.5/3	2.3/2.8	1.5/1.8
	Motor (kWxP)	High	9x8	13x8	17x8	17x8
		Low	6x12	8.5x12	11.5x12	11.5x12
	Wire Rope (Øx Falls)	Construction	6x37	6x37	6x37	6x37
		Dia.(mm) x No. of ropes	16x4	20x4	22.4x4	22.4x6
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	1.5x4	1.5x4	1.5x4 (2unit)
		Low	0.5x6	1x6	1x6	1x6 (2unit)
Dimension (approx.) (mm)	H	775	995	1175	1480	
	R	1150	1200	1300	1800	
	A	565	625	670	940	
	B	510	555	610	940	
	C	695	860	900	980	
	G	975	1075	1165	1425	
	K	955	1005	1220	1480	
	W	865	920	1000	1540	
	D	58	58	58	70	
	M	120	130	140	180	
	N	100	130	140	160	
	P	165	180	220	250	
	Q	195	210	250	280	
Weight (approx.) (kg)		1200	1820	2300	3450	
Rail (kg/m)		15	22	22	30	

Note : 1) Please make a contact about hoist with over 12m lift length.

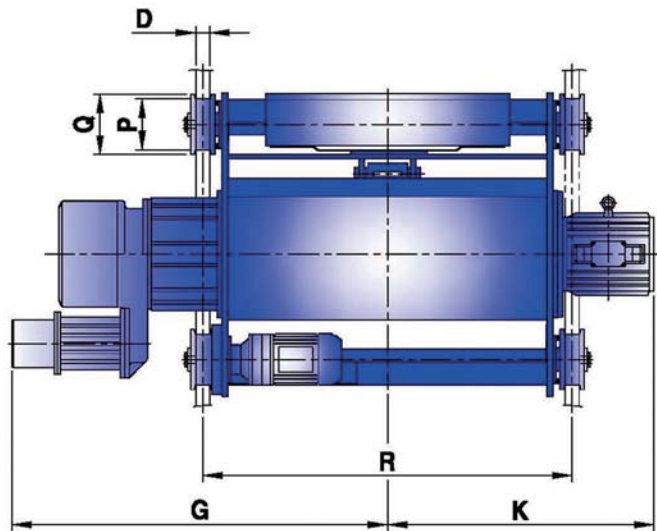
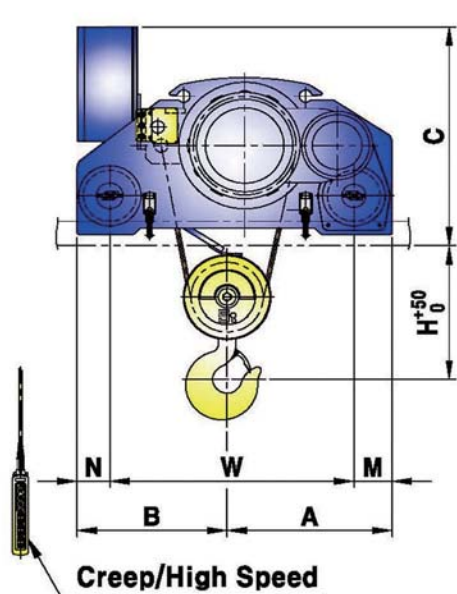
Double Rail Type Hoist with Motor Driven Trolley



Capacity (ton)			35	40	50	60	70
Model No.			D35-N-H12	D40-N-H12	D50-N-H12	D60-N-H12	D70-N-H12
Hoisting	Lift Height (m)		12	12	12	12	12
	Speed (m/min)	50 (Hz)	4	3.5	2.7	2	2
		60 (Hz)	4.8	4.2	3.2	2.4	2.4
	Motor (kWxP)		33x6	33x6	33x6	33x6	33x6
	Wire Rope (ØxFalls)	Construction	6xFI(25)	6xFI(25)	6xFI(25)	6xFI(25)	6xFI(25)
		Dia.(mm) x No. of ropes	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
		Low 50/60 (Hz)	8.3/10	8.3/10	8.3/10	8.3/10	8.3/10
	Motor (kWxP)	High	2.2x4	2.2x4	2.2x4 (2unit)	2.2x4 (2unit)	3.7x4 (2unit)
		Low	1.5x6	1.5x6	1.5x6 (2unit)	1.5x6 (2unit)	2.2x6 (2unit)
Dimension (approx.) (mm)	H	1490	1490	1680	1780	1780	
	R	1600	1600	2300	2800	2800	
	A	1025	1025	1432	1525	1525	
	B	955	955	1243	1150	1150	
	C	1013	1013	1220	1220	1220	
	G	1455	1455	1780	2030	2030	
	K	1360	1360	1715	1965	1965	
	W	1550	1550	2115	2125	2125	
	D	70	70	80	80	80	
	M	215	215	275	275	300	
	N	215	215	275	275	300	
	P	355	355	450	450	500	
	Q	395	395	490	490	540	
Weight (approx.) (kg)		5200	5200	7000	8500	9000	
Rail (kg/m)		37	37	50	73	73	

Note : 1) Please make a contact about hoist with over 12m lift length.

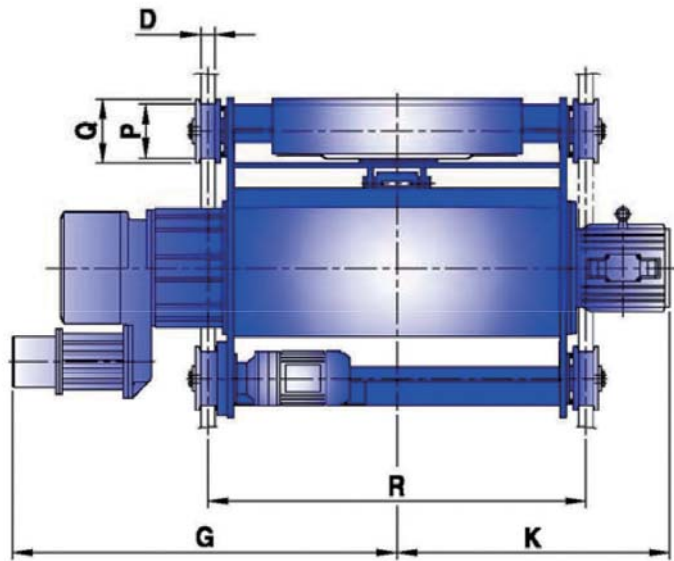
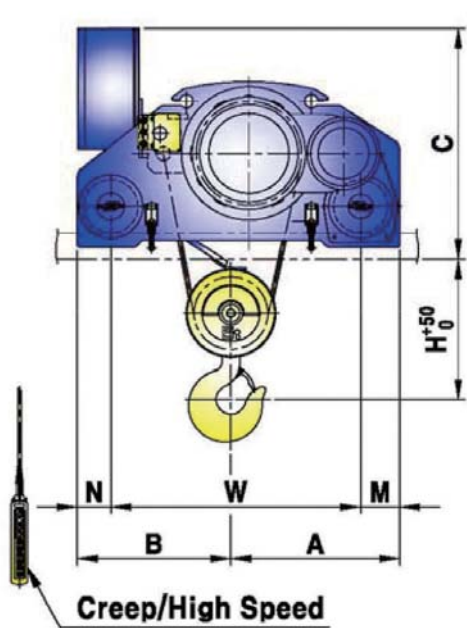
Double Rail Type Hoist with Motor Driven Trolley (Creep)



Capacity (ton)		2	3	5	7.5
Model No.		D02-C-H12	D03-C-H12	D05-C-H12	D075-C-H12
Hoisting	Lift Height (m)	12	12	12	12
	Speed (m/min)	50(Hz)	7.5/0.75	4.7/0.47	3.1/0.31
		60 (Hz)	10/1	5.6/0.56	3.8/0.38
	Motor (kWxP)	3.7/0.4x4	5.5/1.1x4	5.5/1.1x6	5.5/1.1x6
	Wire Rope (Øx Falls)	6x37	6x37	6x37	6x37
Brake		DC Magnet Disc Brake			
Traversing	Speed (m/min)	High 50/60 (Hz)	20/24	20/24	12.5/15
		Low 50/60 (Hz)	13/16	13/16	8.3/10
	Motor (kWxP)	High	0.75x4	0.75x4	0.75x4
		Low	0.5x6	0.5x6	0.5x6
Dimension (approx.) (mm)	H	415	950	510	730
	R	950	465	1150	1150
	A	465	390	510	525
	B	390	600	470	480
	C	500	860	550	550
	G	905	1020	1170	1170
	K	609	705	830	835
	W	650	650	760	800
	D	47	47	58	58
	M	115	115	125	120
	N	90	90	110	95
	P	140	140	165	165
Weight (approx.) (kg)		490	590	900	955
Rail (kg/m)		15	15	15	15

Note : 1) Please make a contact about hoist with over 12m lift length.

Double Rail Type Hoist with Motor Driven Trolley (Creep)

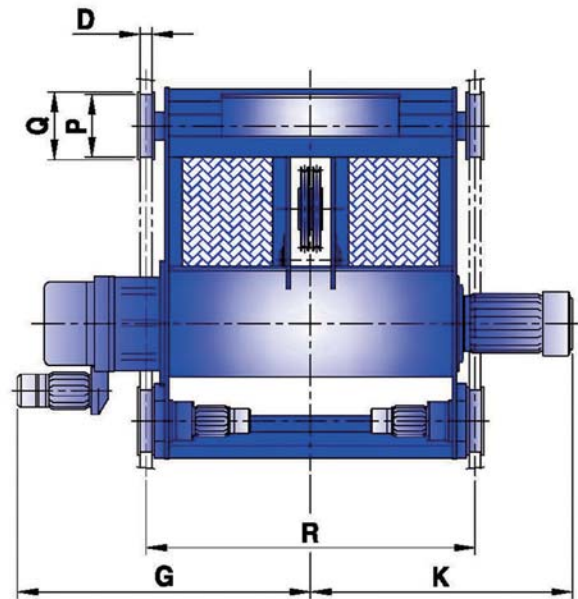
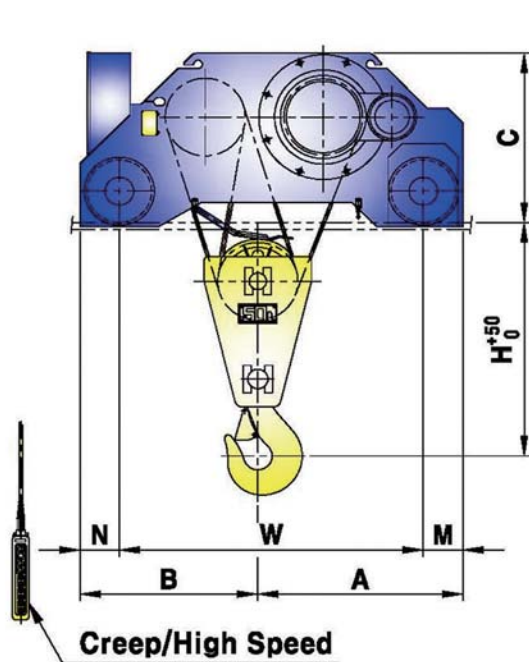


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Capacity (ton)			10	15	20	30
Model No.			D10-C-H12	D15-C-H12	D20-C-H12	D30-C-H12
Hoisting	Lift Height (m)		12	12	12	12
	Speed (m/min)	50 (Hz)	3.7/0.37	3.7/0.37	3.5/0.35	2.3/0.23
		60 (Hz)	4.5/0.45	4.5/0.45	4.2/0.42	2.8/0.28
	Motor (kWxP)		9/1.1x8	13/1.8x8	17/1.8x8	17/1.8x8
	Wire Rope (ØxFalls)	Construction	6x37	6x37	6x37	6x37
		Dia.(mm) x No. of ropes	16x4	20x4	22.4x4	22.4x6
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	1.5x4	1.5x4	1.5x4 (2unit)
		Low	0.5x6	1.0x6	1.0x6	1.0x6 (2unit)
Dimension (approx.) (mm)	H	775	995	1175	1480	
	R	1150	1200	1300	1800	
	A	565	625	670	940	
	B	510	555	610	940	
	C	695	860	900	980	
	G	1230	1365	1460	1720	
	K	955	1005	1220	1480	
	W	865	920	1000	1540	
	D	58	58	58	70	
	M	120	130	140	180	
	N	100	130	140	180	
	P	165	180	220	250	
Q	195	210	250	280		
Weight (approx.) (kg)		1265	1920	2385	3536	
Rail (kg/m)		15	22	22	30	

Note : 1) Please make a contact about hoist with over 12m lift length.

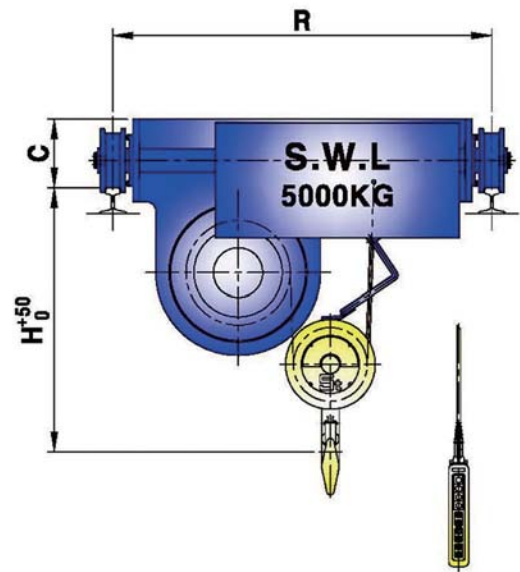
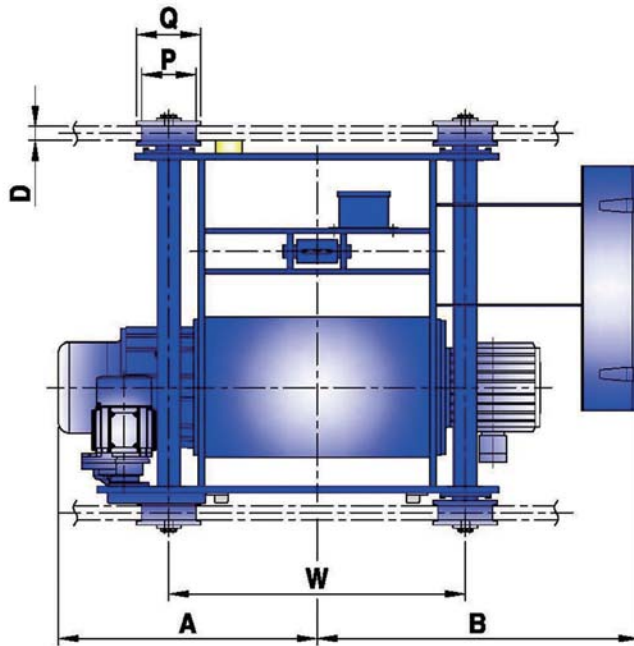
Double Rail Type Hoist with Motor Driven Trolley (Creep)



Capacity (ton)			35	40	50	60	70
Model No.			D35-C-H12	D40-C-H12	D50-C-H12	D60-C-H12	D70-C-H12
Hoisting	Lift Height (m)		12	12	12	12	12
	Speed (m/min)	50 (Hz)	4/0.4	3.5/0.35	2.7/0.27	2/0.2	2/0.2
		60 (Hz)	4.8/0.48	4.2/0.42	3.2/0.32	2.4/0.24	2.4/0.24
	Motor (kWxP)		33/3.7x6/4	33/3.7x6/4	33/3.7x6/4	33/3.7x6/4	33/3.7x6/4
	Wire Rope (ØxFalls)	Construction	6xFI(25)	6xFI(25)	6xFI(25)	6xFI(25)	6xFI(25)
		Dia.(mm) x No. of ropes	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
		Low 50/60 (Hz)	8.3/10	8.3/10	8.3/10	8.3/10	8.3/10
	Motor (kWxP)	High	2.2x4	2.2x4	2.2x4 (2unit)	2.2x4 (2unit)	3.7x4 (2unit)
		Low	1.5x6	1.5x6	1.5x6 (2unit)	1.5x6 (2unit)	2.2x6 (2unit)
Dimension (approx.) (mm)	H	1490	1490	1680	1780	1780	
	R	1600	1600	2300	2800	2800	
	A	1025	1025	1432	1525	1525	
	B	955	955	1243	1150	1150	
	C	1013	1013	1220	1220	1220	
	G	1735	1735	2060	2310	2310	
	K	1360	1360	1715	1965	1965	
	W	1550	1550	2125	2125	2125	
	D	70	70	80	80	80	
	M	215	215	275	275	300	
	N	215	215	275	275	300	
	P	355	355	450	450	500	
	Q	355	355	490	490	540	
Weight (approx.) (kg)		5400	5400	7200	9050	9200	
Rail (kg/m)		37	37	50	73	73	

Note : 1) Please make a contact about hoist with over 12m lift length.

Double Low Head Type Hoist with Motor Driven Trolley



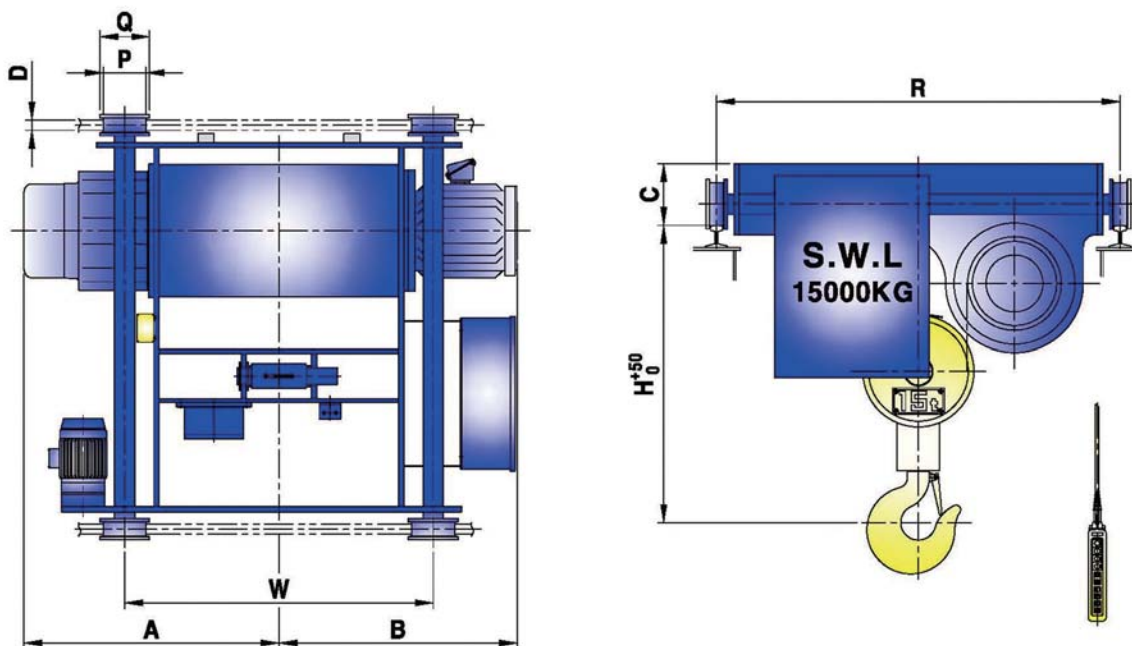
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Capacity (ton)			2	3	5	7.5
Model No.			DL02-N-H06	DL03-N-H06	DL05-N-H06	DL075-N-H12
Hoisting	Lift Height (m)		6	6	6	12
	Speed (m/min)	High 50/60 (Hz)	8.4/10	7.5/9	4.7/5.6	3.1/3.8
		Low 50/60 (Hz)	4.2/5	3.7/4.5	3.5/4.2	2.3/2.8
	Motor (kWxP)	High	3.7x4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

Note : 1) Please make a contact about hoist with over 12m lift length.



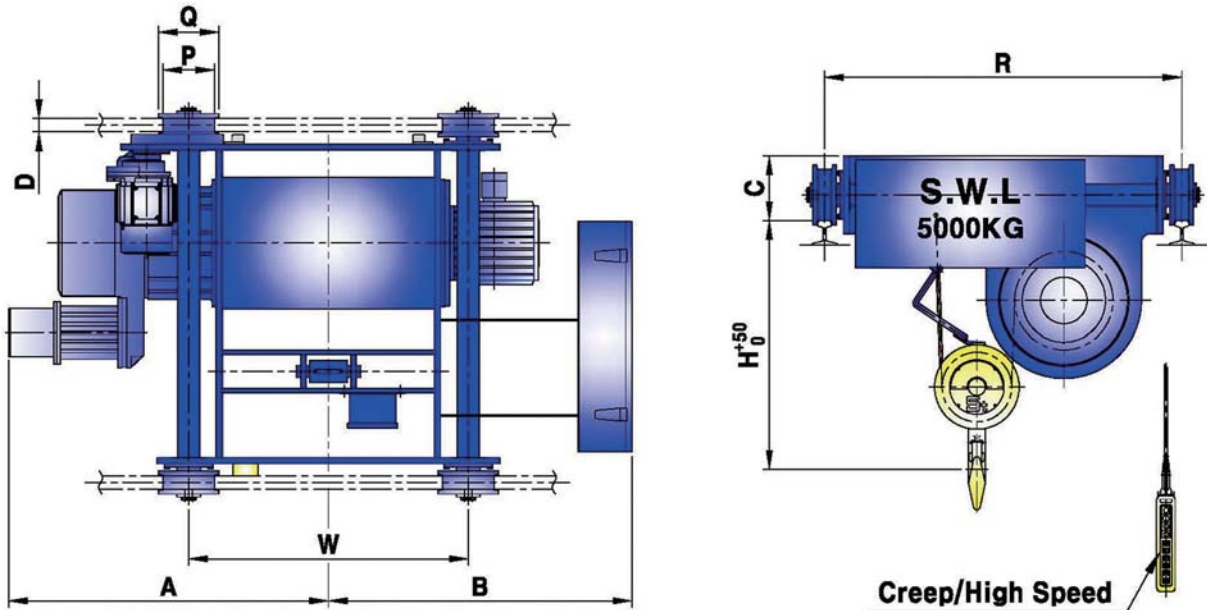
Double Low Head Type Hoist with Motor Driven Trolley



Capacity (ton)			10	15	20
Model No.			DL10-N-H12	DL15-N-H12	DL20-N-H12
Hoisting	Lift Height (m)		12	12	12
	Speed (m/min)	High 50/60 (Hz)	3.7/4.5	3.7/4.5	3.5/4.2
		Low 50/60 (Hz)	2.5/3	2.5/3	2.3/2.8
	Motor (kWxP)	High	9x8	13x8	17x8
		Low	6x12	8.5x12	11.5x12
	Wire Rope (ØxFalls)	Construction	6x37	6x37	6x37
		Dia.(mm) x No. of ropes	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
		Low 50/60 (Hz)	8.3/10	8.3/10	8.3/10
	Motor (kWxP)	High	0.75x4	1.5x4	1.5x4
		Low	0.5x6	1x6	1x6
Dimension (approx.) (mm)	H	920	1250	1450	
	R	1300	1700	1800	
	A	978	965	1165	
	B	955	1009	1210	
	C	240	260	320	
	W	1250	1300	1400	
	D	58	58	58	
	P	165	180	220	
	Q	195	210	250	
Weight (approx.) (kg)		1250	1850	2550	
Rail (kg/m)		15	22	22	

Note : 1) Please make a contact about hoist with over 12m lift length.

Double Low Head Type Hoist with Motor Driven Trolley (Creep)



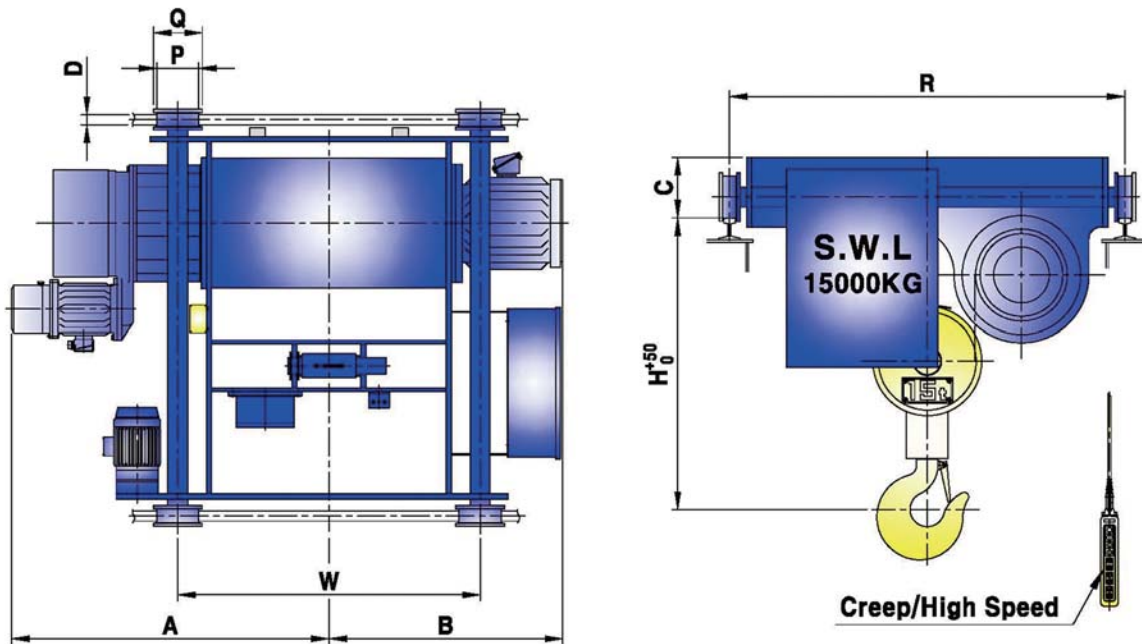
22

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

Note : 1) Please make a contact about hoist with over 12m lift length.



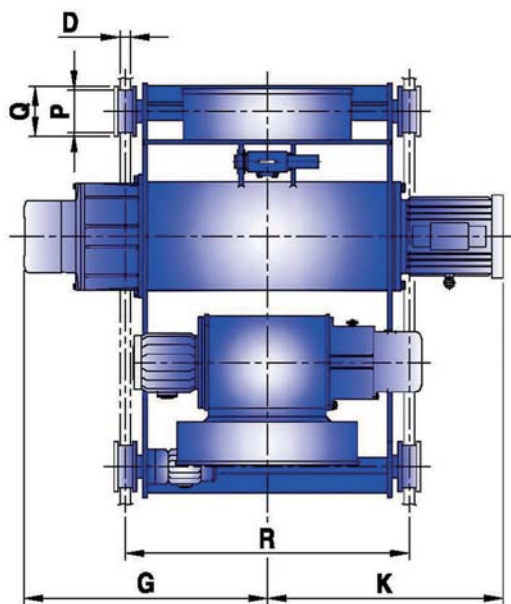
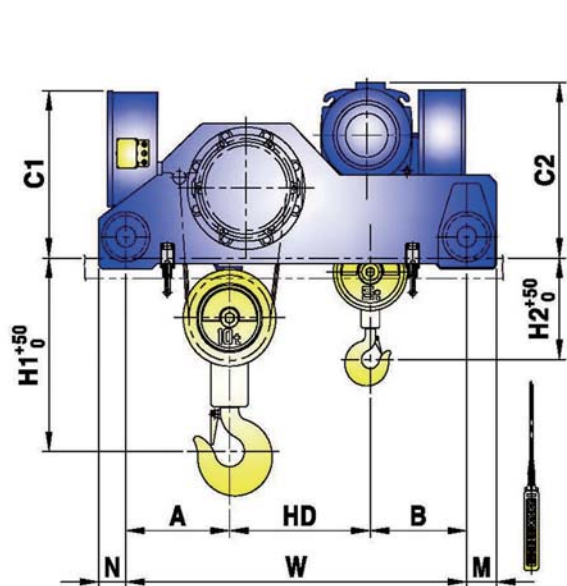
Double Low Head Type Hoist with Motor Driven Trolley (Creep)



Capacity (ton)		10	15	20
Model No.		DL10-C-H12	DL15-C-H12	DL20-C-H12
Hoisting	Lift Height (m)	12	12	12
	Speed (m/min)	50 (Hz)	3.7/0.37	3.5/0.35
		60 (Hz)	4.5/0.45	4.2/0.42
	Motor (kWxP)	9/1.1x8	13/1.8x8	17/1.8x8
	Wire Rope (Øx Falls)	Construction Dia.(mm) x No. of ropes	6x37 20x4	6x37 22.4x4
Brake		DC Magnet Disc Brake		
Traversing	Speed (m/min)	High 50/60 (Hz)	12.5/15	12.5/15
		Low 50/60 (Hz)	8.3/10	8.3/10
	Motor (kWxP)	High	0.75x4	1.5x4
		Low	0.5x6	1x6
Dimension (approx.) (mm)	H	920	1250	1450
	R	1300	1700	1800
	A	1230	1080	1480
	B	955	1009	1210
	C	240	260	320
	W	1250	1300	1400
	D	58	58	58
	P	165	180	220
	Q	195	210	250
Weight (approx.) (kg)		1300	1950	2600
Rail (kg/m)		15	22	22

Note : 1) Please make a contact about hoist with over 12m lift length.

Main & Aux Type Hoist

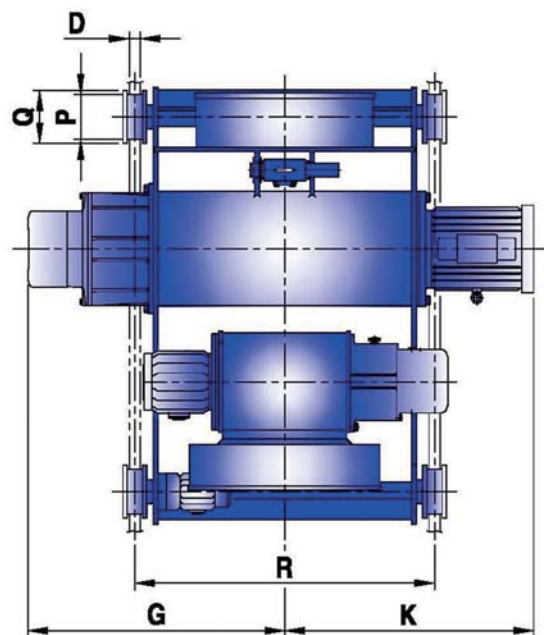
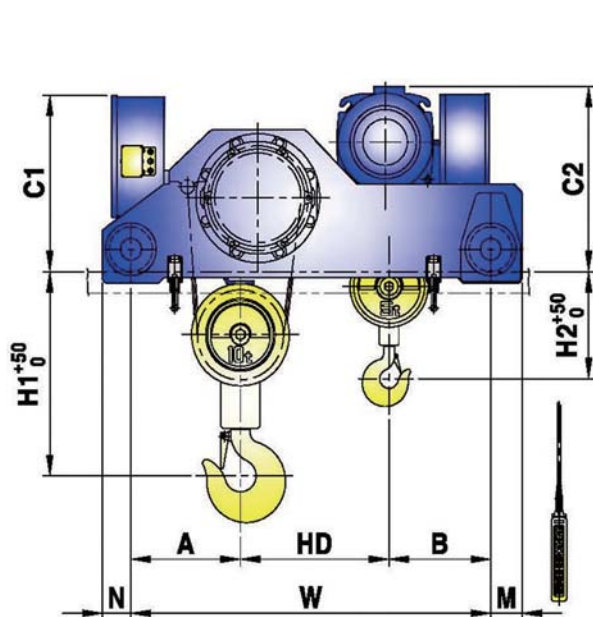


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Capacity (ton)			5/3		7.5/3		10/5		15/5	
Model No.			D0503-NN-H12		D07503-NN-H12		D1005-NN-H12		D1505-NN-H12	
Hoisting	Lift Height (m)		12		12		12		12	
	Speed (m/min)	High 50/60 (Hz)	4.7/5.6	7.5/9	3.1/3.8	7.5/9	3.7/4.5	4.7/5.6	3.7/4.5	4.7/5.6
		Low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

Note : 1) Please make a contact about hoist with over 12m lift length.

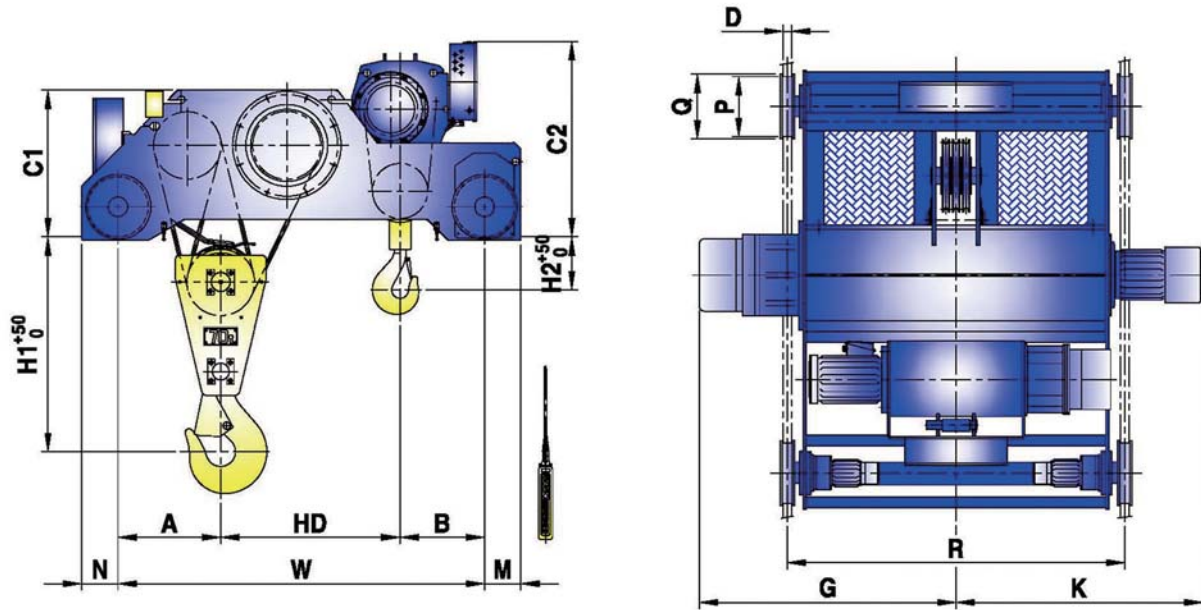
Main & Aux Type Hoist



Capacity (ton)			20/5		20/10		30/10		30/15	
Model No.			D2005-NN-H12		D2010-NN-H12		D3010-NN-H12		D3015-NN-H12	
Hoisting	Lift Height (m)		12		12		12		12	
	Speed (m/min)	High 50/60 (Hz)	3.5/4.2	4.7/5.6	3.5/4.2	3.7/4.5	2.3/2.8	3.7/4.5	2.3/2.8	3.7/4.5
		Low 50/60 (Hz)	2.5/2.8	3.5/4.2	2.5/2.8	2.5/3	1.5/1.8	2.5/3	1.5/1.8	2.5/3
	Motor (kWxP)	High	17x8	5.5x6	17x8	9x8	17x8	9x8	17x8	13x8
		Low	11.5x12	4.2x8	11.5x12	6x12	11.5x12	6x12	11.5x12	8.5x12
	Wire Rope (Øx Falls)	Construction	6x37	6x37	6x37	6x37	6x37	6x37	6x37	6x37
		Dia.(mm) x No. of ropes	22.4x4	16x2	22.4x4	16x4	22.4x6	16x4	22.4x6	20x4
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	1.5x4		1.5x4		1.5x4 (2unit)		1.5x4 (2unit)	
		Low	1x6		1x6		1x6 (2unit)		1x6 (2unit)	
Dimension (approx.) (mm)	H1		1175		1175		1480		1480	
	H2		350		425		430		615	
	R		1300		1300		1800		1800	
	HD		700		775		1010		1010	
	A		570		570		780		780	
	B		450		630		550		550	
	C1		900		900		980		980	
	C2		935		1180		995		1115	
	G		1165		1165		1425		1425	
	K		1210		1210		1480		1480	
	W		1720		1980		2340		2340	
	D		58		58		70		70	
	M		170		170		160		160	
	N		170		170		180		180	
	P		220		220		250		250	
Q		250		250		280		280		
Weight (approx.) (kg)			2925		3475		4670		5200	
Rail (kg/m)			22		22		30		30	

Note : 1) Please make a contact about hoist with over 12m lift length.

Main & Aux Type Hoist



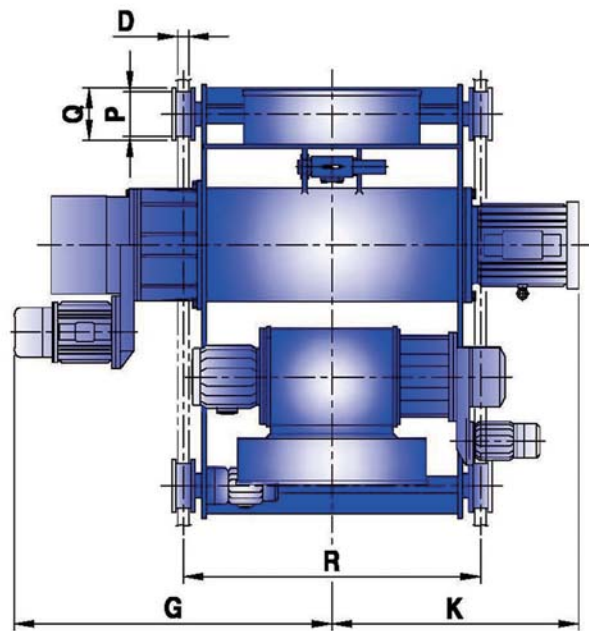
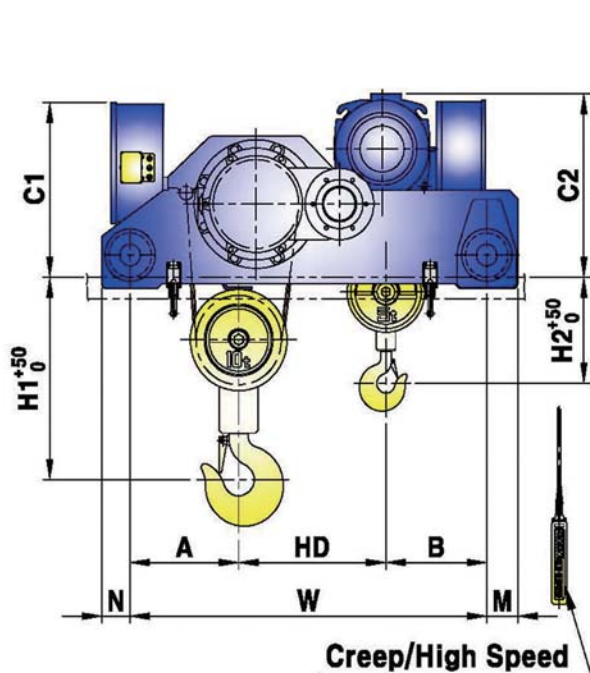
26

Capacity (ton)			35/10		40/10		50/10		60/20		70/20	
Model No.			D3510-NN-H12		D4010-NN-H12		D5010-NN-H12		D6020-NN-H12		D7020-NN-H12	
Hoisting	Lift Height (m)		12		12		12		12		12	
	Speed (m/min)	High 50/60 (Hz)	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)		2.5/3		2.5/3		2.5/2.8		2.5/2.8		
	Motor (kWxP)	High	33x6	9x8	33x6	9x8	33x6	9x8	33x6	17x8	33x6	17x8
		Low		6x12		6x12		6x12		11.5x12		11.5x12
	Wire Rope (∅xFalls)	Construction	6xFI(25)	6x37	6xFI(25)	6x37	6xFI(25)	6x37	6xFI(25)	6x37	6xFI(25)	6x37
Dia.(mm) x No. of ropes		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	
		Low 50/60 (Hz)	8.3/10		8.3/10		8.3/10		8.3/10		8.3/10	
	Motor (kWxP)	High	2.2x4		2.2x4		2.2x4 (2unit)		2.2x4 (2unit)		3.7x4 (2unit)	
		Low	1.5x6		1.5x6		1.5x6 (2unit)		1.5x6 (2unit)		2.2x6 (2unit)	
Dimension (approx.) (mm)	H1		1490		1490		1680		1780		1780	
	H2		420		420		50		330		330	
	R		1600		1600		2300		2800		2800	
	HD		1100		1100		1300		1378		1378	
	A		740		740		968		968		968	
	B		560		560		657		579		579	
	C1		1013		1013		1220		1220		1220	
	C2		1333		1333		1460		1750		1750	
	G		1455		1455		1780		2030		2030	
	K		1360		1360		1715		1965		1965	
	W		2400		2400		2925		2925		2925	
	D		70		70		80		80		80	
	M		215		215		275		275		275	
	N		215		215		275		275		275	
	P		355		355		450		450		500	
Q		395		395		490		490		540		
Weight (approx.) (kg)			6400		6400		8200		10930		11080	
Rail (kg/m)			37		37		50		73		73	

Note : 1) Please make a contact about hoist with over 12m lift length.



Main & Aux Type Hoist (Creep)

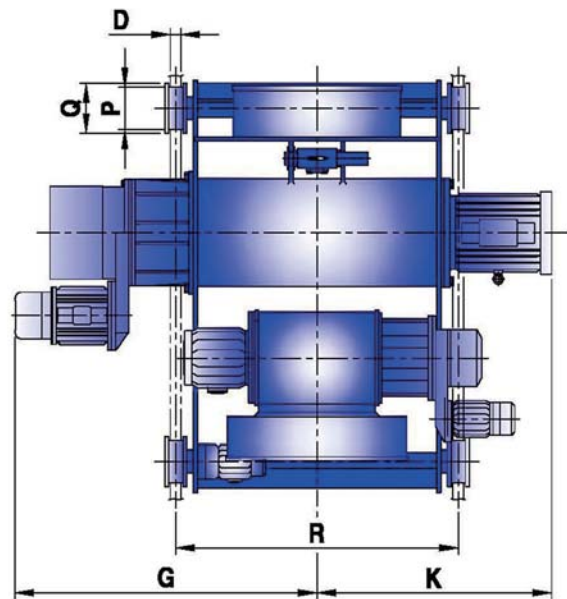
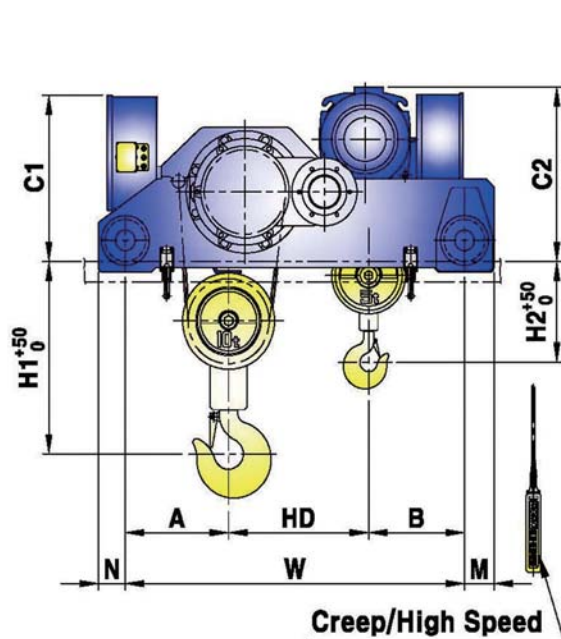


Capacity (ton)			5/3		7.5/3		10/5		15/5	
Model No.			D0503-CC-H12		D07503-CC-H12		D1005-CC-H12		D1505-CC-H12	
Hoisting	Lift Height (m)		12		12		12		12	
	Speed (m/min)	50 (Hz)	4.7/0.47	7.5/0.75	3.1/0.31	7.5/0.75	3.7/0.37	4.7/0.47	3.7/0.37	4.7/0.47
		60 (Hz)	5.6/0.56	9/0.9	3.8/0.38	9/0.9	4.5/0.45	5.6/0.56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

Note : Note : 1) Please make a contact about hoist with over 12m lift length.



Main & Aux Type Hoist (Creep)

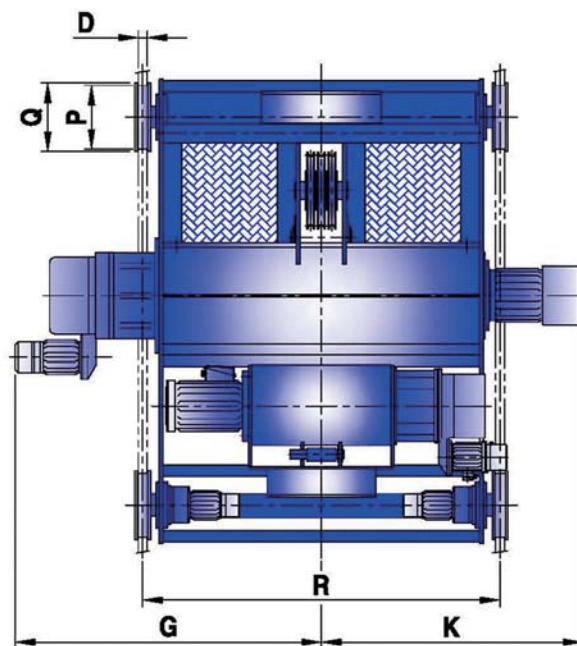
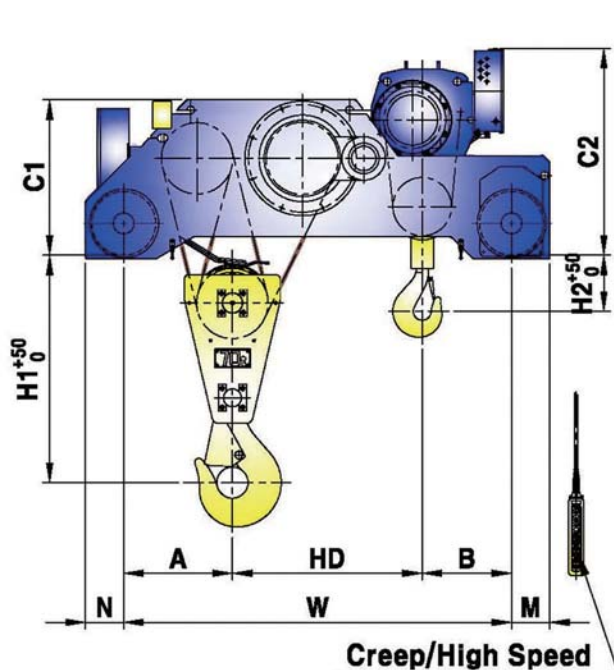


Capacity (ton)			20/5		20/10		30/10		30/15		
Model No.			D2005-CC-H12		D2010-CC-H12		D3010-CC-H12		D3015-CC-H12		
Hoisting	Lift Height (m)		12		12		12		12		
	Speed (m/min)	50 (Hz)	3.5/0.35	4.7/0.47	3.5/0.35	3.7/0.37	2.3/0.23	3.7/0.37	2.3/0.23	3.7/0.37	
		60 (Hz)	4.2/0.42	5.6/0.56	4.2/0.42	4.5/0.45	2.8/0.28	4.5/0.45	2.8/0.28	4.5/0.45	
	Motor (kWxP)		17/1.8x8	5.5/1x6	17/1.8x8	9/1.1x8	17/1.8x8	9/1.1x8	17/1.8x8	13/1.8x8	
	Wire Rope (∅xFalls)	Construction	6x37	6x37	6x37	6x37	6x37	6x37	6x37	6x37	
		Dia.(mm) x No. of ropes	22.4x4	16x2	22.4x4	16x4	22.4x6	16x4	22.4x6	20x4	
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	1.5x4		1.5x4		1.5x4 (2unit)		1.5x4 (2unit)		
		Low	1x6		1x6		1x6 (2unit)		1x6 (2unit)		
Dimension (approx.) (mm)	H1	1175		1175		1480		1480			
	H2	350		425		430		615			
	R	1300		1300		1800		1800			
	HD	700		775		1010		1010			
	A	570		575		780		780			
	B	450		630		550		550			
	C1	900		900		980		980			
	C2	935		1180		995		1115			
	G	1480		1480		1740		1740			
	K	1210		1210		1470		1470			
	W	1720		1980		2340		2340			
	D	58		58		70		70			
	M	170		170		160		160			
	N	170		170		180		180			
	P	220		220		250		250			
Q	250		250		280		280				
Weight (approx.) (kg)			3070		3600		4820		5320		
Rail (kg/m)			22		22		30		30		

Note : 1) Please make a contact about hoist with over 12m lift length.



Main & Aux Type Hoist (Creep)

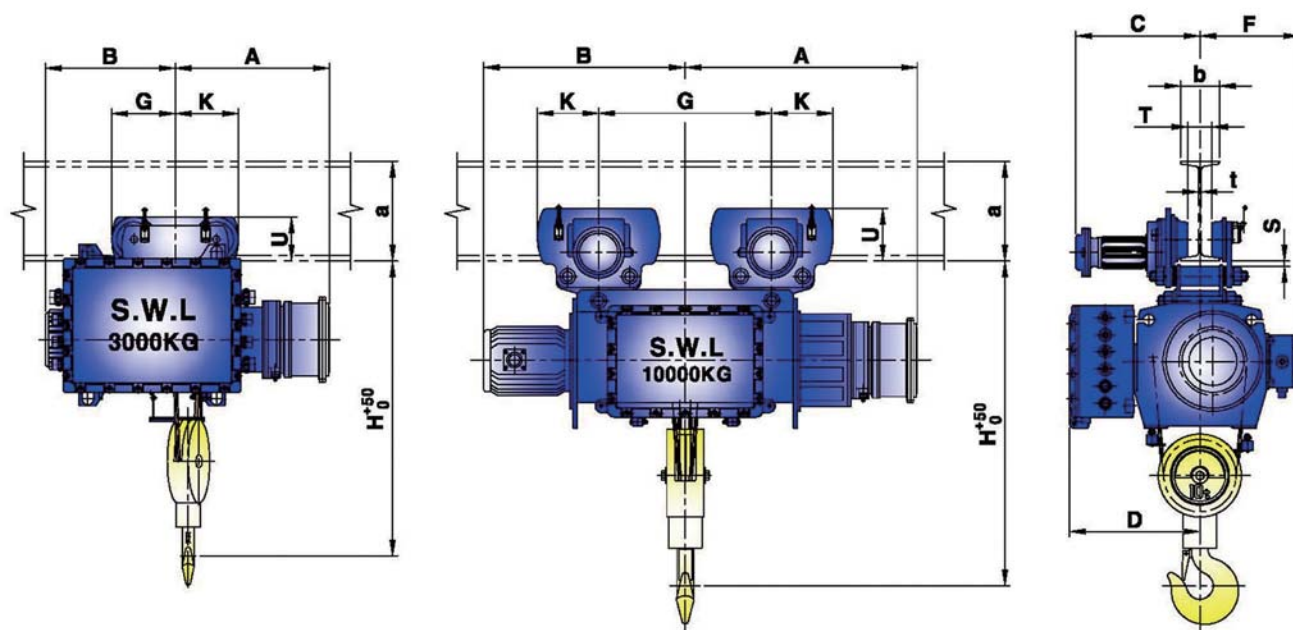


Capacity (ton)			35/10		40/10		50/10		60/20		70/20	
Model No.			D3510-CC-H12		D4010-CC-H12		D5010-CC-H12		D6020-CC-H12		D7020-CC-H12	
Hoisting	Lift Height (m)		12		12		12		12		12	
	Speed (m/min)	50 (Hz)	4/0.4	3.7/0.37	3.5/0.35	3.7/0.37	2.7/0.27	3.7/0.37	2/0.2	3.5/0.35	2/0.2	3.5/0.35
		60 (Hz)	4.8/0.48	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)		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 (ØxFalls)	Construction	6xFI(25)	6x37	6xFI(25)	6x37	6xFI(25)	6x37	6xFI(25)	6x37	6xFI(25)	6x37
		Dia.(mm) x No. of ropes	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	
		Low 50/60 (Hz)	8.3/10		8.3/10		8.3/10		8.3/10		8.3/10	
	Motor (kWxP)	High	2.2x4		2.2x4		2.2x4 (2unit)		2.2x4 (2unit)		3.7x4 (2unit)	
		Low	1.5x6		1.5x6		1.5x6 (2unit)		1.5x6 (2unit)		2.2x6 (2unit)	
Dimension (approx.) (mm)	H1		1490		1490		1680		1780		1780	
	H2		420		420		50		330		330	
	R		1600		1600		2300		2800		2800	
	HD		1100		1100		1300		1378		1378	
	A		740		740		968		968		968	
	B		560		560		657		579		579	
	C1		1013		1013		1220		1220		1220	
	C2		1333		1333		1460		1750		1750	
	G		1735		1735		2060		2310		2310	
	K		1360		1360		1715		1965		1965	
	W		2400		2400		2925		2925		2925	
	D		70		70		80		80		80	
	M		215		215		275		275		275	
	N		215		215		275		275		275	
	P		355		355		450		450		500	
	Q		395		395		490		490		540	
Weight (approx.) (kg)			6070		6070		8500		11290		11440	
Rail (kg/m)			37		37		50		73		73	

Note : 1) Please make a contact about hoist with over 12m lift length.



EX-PROOF Mono-Rail Type Hoist with Motor Driven Trolley

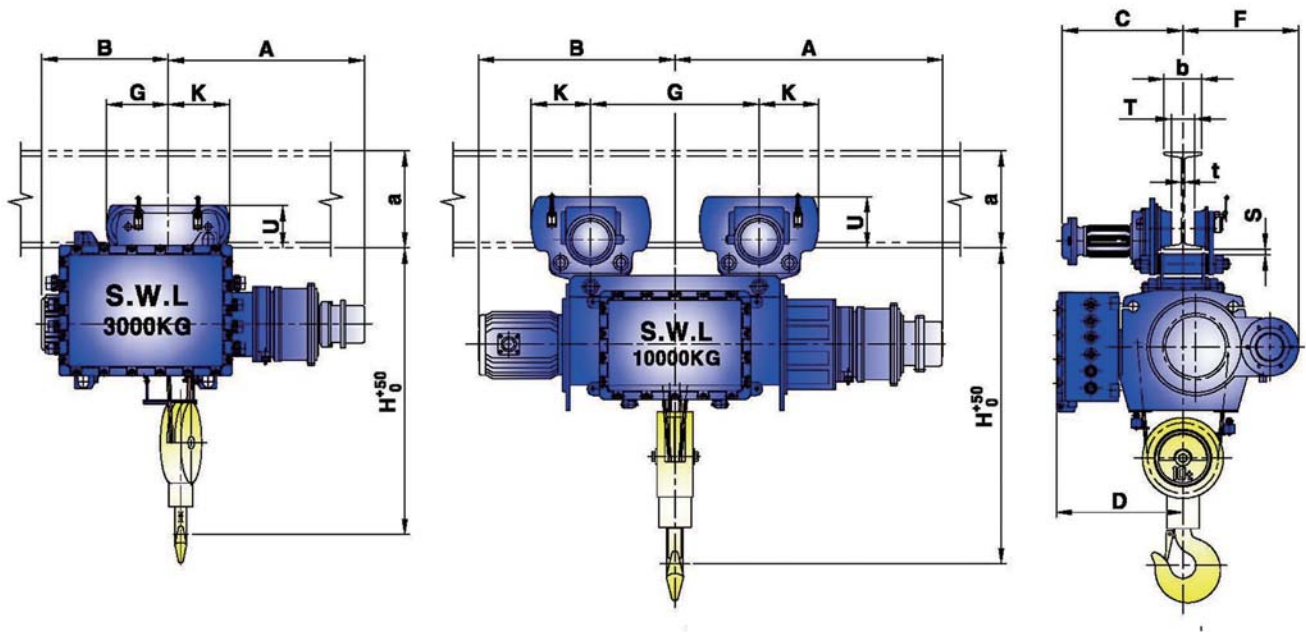


Capacity (ton)			1			3			5			10									
Model No.			ZN01-N-H12			ZN03-N-H12			ZN05-N-H12			ZN10-N-H12									
Hoisting	Lift Height (m)		12			12			12			12									
	Speed (m/min)	High 50/60 (Hz)	10/12			7.5/9			4.7/5.6			3.7/4.5									
		Low 50/60 (Hz)	5/6			3.7/4.5			2.5/4.2			2.5/3									
	Motor (kWxP)	High	2.4x4			5.5x4			5.5x6			9x8									
		Low	1.2x8			2.8x8			4.2x8			6x12									
	Wire Rope (∅xFalls)	Construction	6x37			6x37			6x37			6x37									
		Dia.(mm) x No. of ropes	8x2			12.5x2			16x2			16x4									
Brake		DC Magnet Disc Brake																			
Traversing	Speed (m/min)	High 50/60 (Hz)	20/24			20/24			20/24			12.5/15									
		Low 50/60 (Hz)	13/16			13/16			13/16			8.3/10									
	Motor (kWxP)	High	0.75x4			0.75x4			0.75x4			0.75x4 (2unit)									
		Low	0.5x6			0.5x6			0.5x6			0.5x6 (2unit)									
Dimension (approx.) (mm)	H	900			1210			1325			1565										
	A	550			625			730			800										
	B	530			590			615			700										
	D	445			510			525			700										
	G	225			225			276			800										
	K	225			225			276			276										
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
	250x125x7.5	475	350	26	71	182	475	360	25	71	182	575	420	37	61	222	-	-	-	-	-
	300x150x10	490	350	24	96	182	490	360	23	96	182	595	420	32	86	224	600	480	35	68	224
	450x175x13	-	-	-	-	-	-	-	-	-	-	610	420	32	111	228	605	480	30	93	228
	600x190x13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	620	480	32	118	227
Min. Radius of Curvature (m)		2.0			2.0			2.5			For straight rail only										
Weight (approx.) (kg)		370			480			680			1350										

Note : 1) Please make a contact about hoist with over 12m lift length.

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

EX-PROOF Mono-Rail Type Hoist with Motor Driven Trolley (Creep)

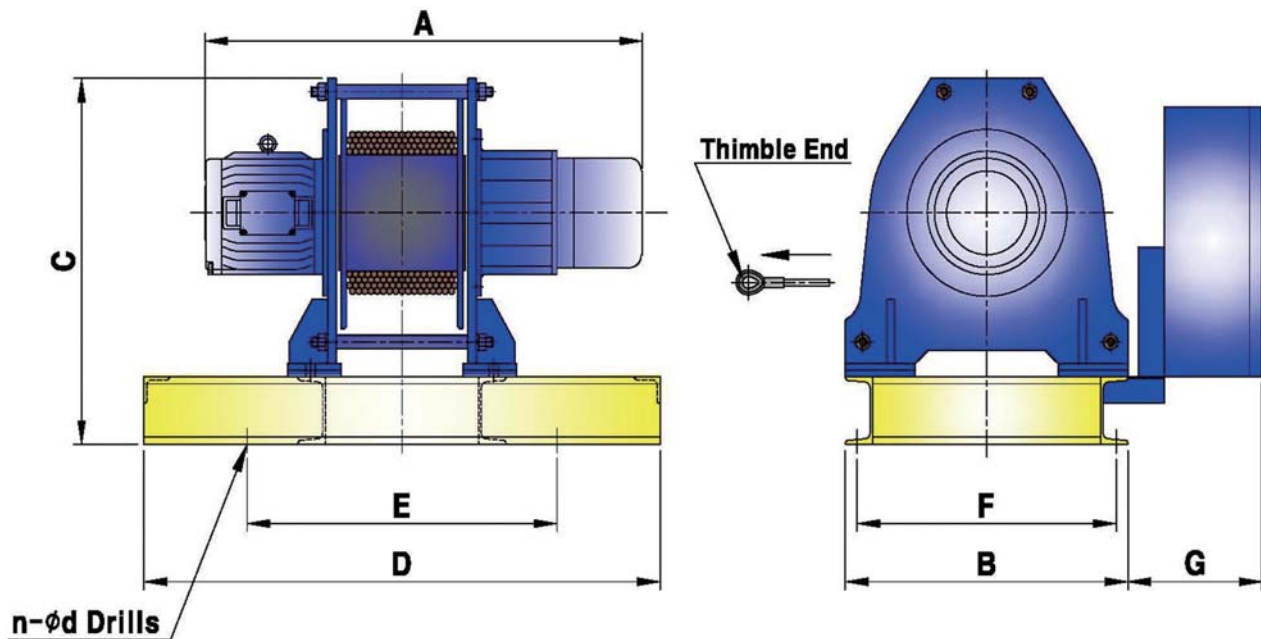


Capacity (ton)		1	3	5	10
Model No.		ZN01-C-H12	ZN03-C-H12	ZN05-C-H12	ZN10-C-H12
Hoisting	Lift Height (m)	12	12	12	12
	Speed (m/min)	50 (Hz)	10/1	7.5/0.75	4.7/0.47
		60 (Hz)	12/1.2	9/0.9	5.6/0.56
	Motor (kWxP)	2.4/0.4x4	5.5/1.1x4	5.5/1x6	9/1.1x8
	Wire Rope (Øx Falls)	Construction Dia.(mm) x No. of ropes	6x37 12.5x2	6x37 16x2	6x37 16x4
Brake		DC Magnet Disc Brake			
Traversing	Speed (m/min)	High 50/60 (Hz)	20/24	20/24	20/24
		Low 50/60 (Hz)	13/16	13/16	13/16
	Motor (kWxP)	High	0.75x4	0.75x4	0.75x4 (2unit)
		Low	0.5x6	0.5x6	0.5x6 (2unit)
Dimension (approx.) (mm)	H	900	1210	1325	1565
	A	780	930	910	1000
	B	530	590	615	700
	D	445	510	525	700
	G	225	225	276	800
	K	225	225	276	276
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
	250x125x7.5	475 370 26 71 182	475 380 25 71 182	575 430 37 61 222	- - - - -
	300x150x10	490 370 24 96 182	490 380 23 96 182	595 430 32 86 224	600 550 35 68 224
	450x175x13	- - - - -	- - - - -	610 430 32 111 228	605 550 30 93 228
	600x190x13	- - - - -	- - - - -	- - - - -	620 550 32 118 227
Min. Radius of Curvature (m)		2.0	2.0	2.5	For straight rail only
Weight (approx.) (kg)		560	770	800	1380

Note : 1) Please make a contact about hoist with over 12m lift length.

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

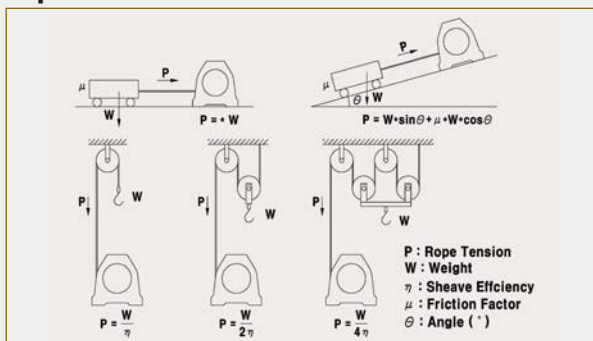
Electric Winch



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Capacity (ton)		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) 50/60 (Hz)	20/24	17/20	15/18	10/12	8/10	8/10
	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 220/380/415/440/460/480V x 50/60Hz x 3ph					
Dimension (approx.) (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 d	4x18	6x18.5	6x18.5	6x20	8x27	8x32
Weight [approx.] (kg)		200	278	360	460	860	1800

Rope Tension

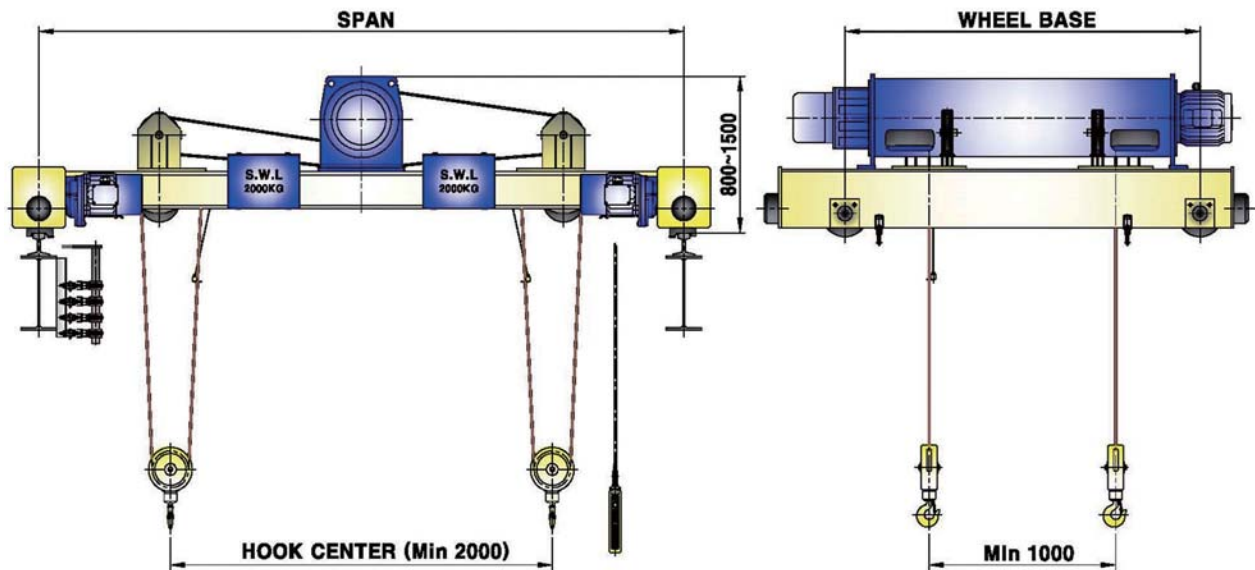


Note : 1) Please make a contact about non-standard type.

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 S/W Remote Control

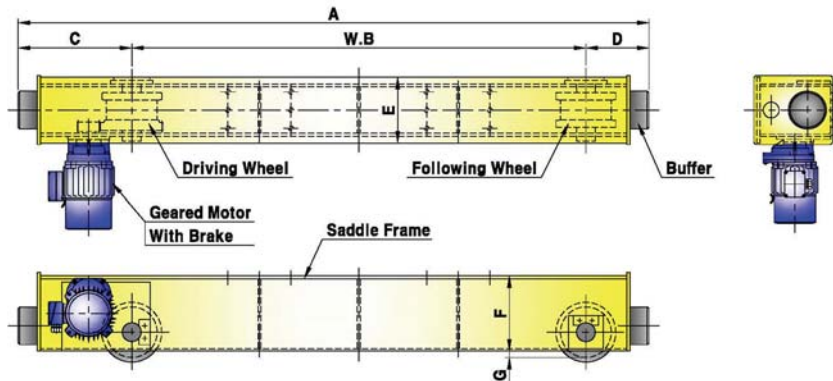
Multi Rope Synchronized Hoist



Capacity (ton)			2	3	5	7.5	10
Classification (FEM/ISO/CMAA)			2m / M5 / CLASS C				
Span (m)			2.5 ~ 8	2.5 ~ 8	2.5 ~ 8	2.5 ~ 8	2.5 ~ 8
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			Ø 160 (S45CN)		Ø 160~200 (S45CN)		Ø 200~250 (S45CN)
Lift Height (m)			3 ~ 10				
Power source			AC 220/380/415/440/460/480V 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
Traversing rail			S.B 40, 50 / Crane rail 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			F CLASS				
Safety Device			Load Limit, Upper Limit, Travel Limit, EM Switch				

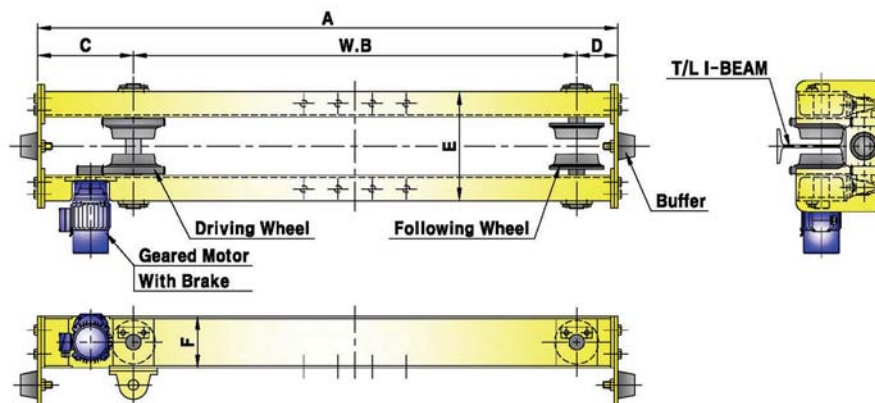
Note : 1) Please make a contact about non-standard type.

Over Head Type Saddle



Wheel Diameter (mm)	Speed (m/min)		Motor (kWxP)	Rail (kg/m)	A	W.B	C	D	E	F	G
160	High	50(Hz)	20	15, 22	2060 - 3560	1500 - 3000	360	200	210	240	20
		60(Hz)	24								
	Low	50(Hz)	13								
		60(Hz)	16								
200	High	50(Hz)	20	15, 22	2120 - 3620	1500 - 3000	360	260	210	300	20
		60(Hz)	24								
	Low	50(Hz)	13								
		60(Hz)	16								
250	High	50(Hz)	25	22, 30	2170 - 3670	1500 - 3000	390	280	210	350	20
		60(Hz)	30								
	Low	50(Hz)	17								
		60(Hz)	20								
315	High	50(Hz)	25	22, 30	2220 - 3720	1500 - 3000	410	310	260	400	20
		60(Hz)	30								
	Low	50(Hz)	17								
		60(Hz)	20								

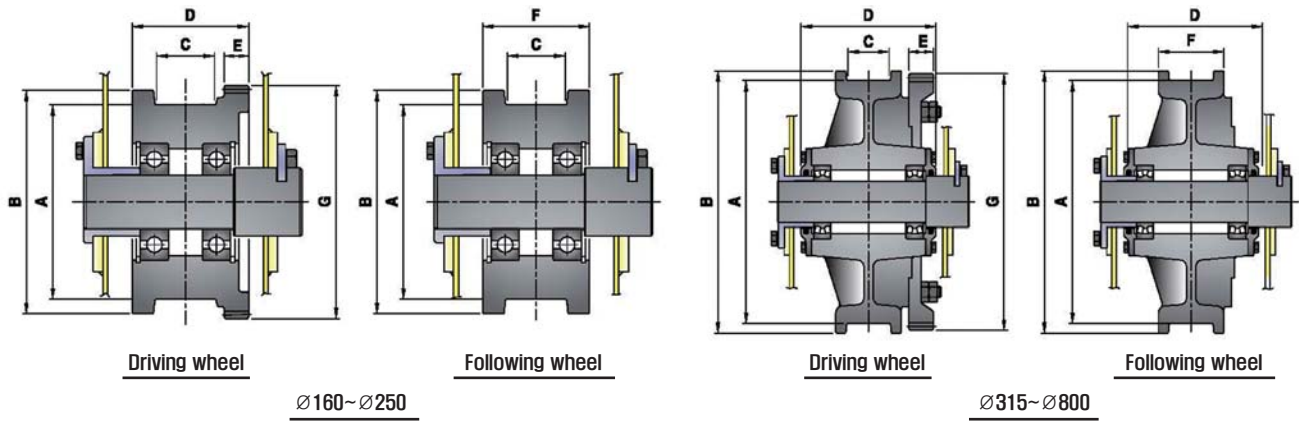
Suspension Type Saddle



Wheel Diameter (mm)	Speed (m/min)		Motor (kWxP)	A	W.B	C	D	E	F	Travelling I-Beam (mm)
125	High	50(Hz)	18	1520 - 2270	1000 - 1750	340	180	320 345 370 370	150	I-200x100x7t I-250x125x7.5t I-300x150x10t I-400x150x10t
		60(Hz)	22							
	Low	50(Hz)	13							
		60(Hz)	15							
160	High	50(Hz)	18	1620 - 2370	1000 - 1750	410	210	361 386 386 411	200	I-250x125x7.5t I-300x150x10t I-400x150x10t I-450x175x13t
		60(Hz)	22							
	Low	50(Hz)	13							
		60(Hz)	15							
180	High	50(Hz)	20	1620 - 2370	1000 - 1750	410	210	395 420 420 445	250	I-250x125x7.5t I-300x150x10t I-400x150x10t I-450x175x13t
		60(Hz)	23							
	Low	50(Hz)	13							
		60(Hz)	15							

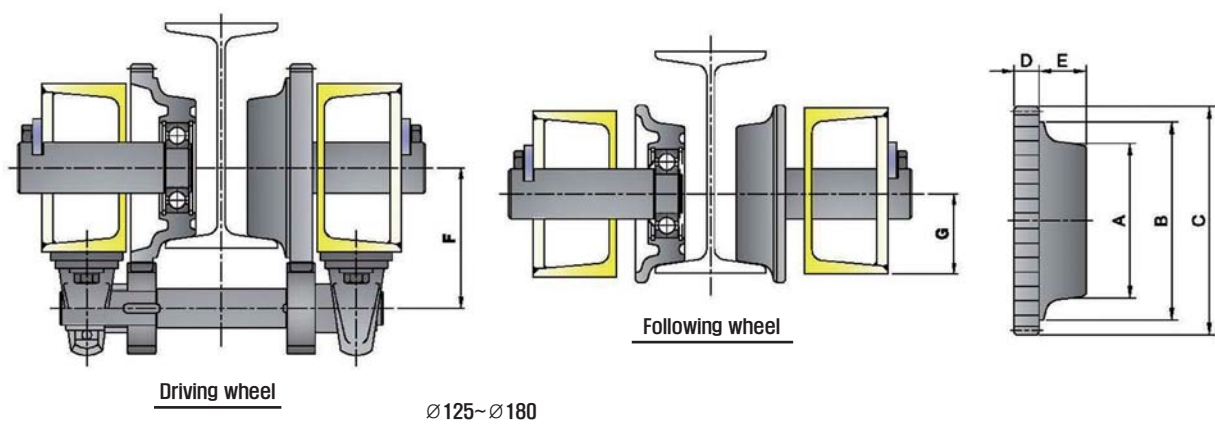
Note : 1) Please make a contact about non-standard type.

Overhead Type Wheel



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 Type Wheel

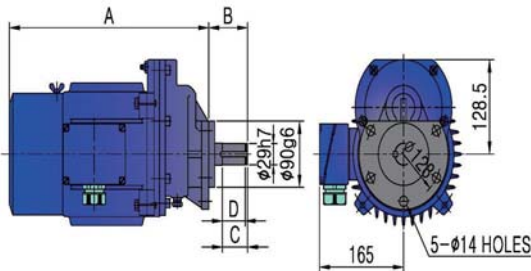


Wheel									Gear		Pinion		Application	Weight
A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	Bearing	Material	Module & Teeth	Material	Module & Teeth	Material	Motor(kWxP)	4ea (kg)
125	160	185	20	38	125	75	6207ZZ	S45CN	M4x43T	S45CN	M4x17T	S45CN (Hs 55~60)	0.5x6/0.75x4	95
160	200	239	20	54	150	100	6209ZZ		M4x56T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



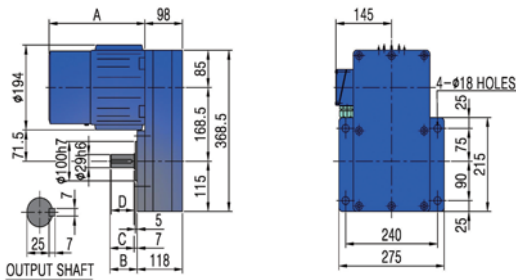
Geared Motor

A-Type



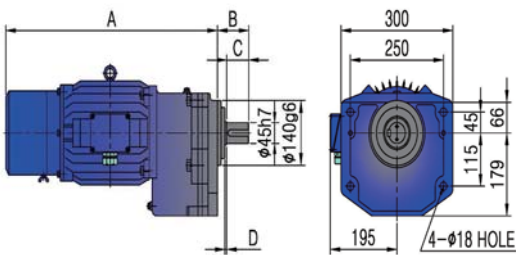
Dim.	Cap.	0.5KW x 6P 0.75KW x 4P	1KW x 6P 1.5KW x 4P
A		336	371
B		56.5	77.5
C		29	34
D		25	30
Reduce Ratio		1/8.4, 1/12.12, 1/16.36	

B-Type



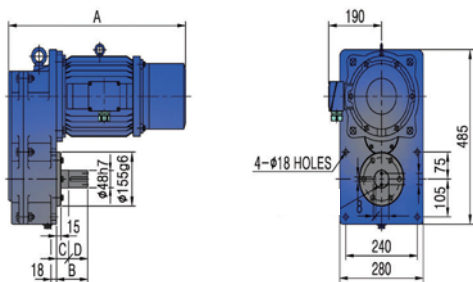
Dim.	Cap.	0.5KW x 6P 0.75KW x 4P	1KW x 6P 1.5KW x 4P
A		215	250
B		71	71
C		64	64
D		60	60
Reduce Ratio		1/12.4, 1/16.3, 1/22	

C-Type



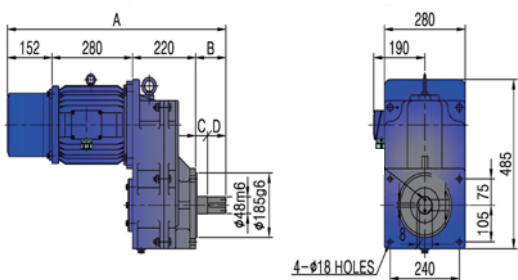
Dim.	Cap.	1.5KW x 6P, 2.2KW x 4P
A		565
B		84
C		59
D		5
Reduce Ratio		1/20.26

D-Type



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

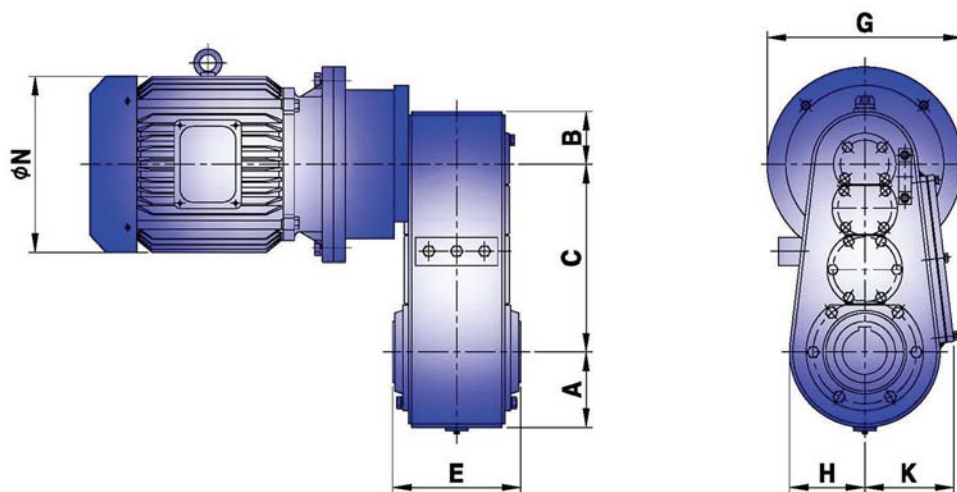
E-Type



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

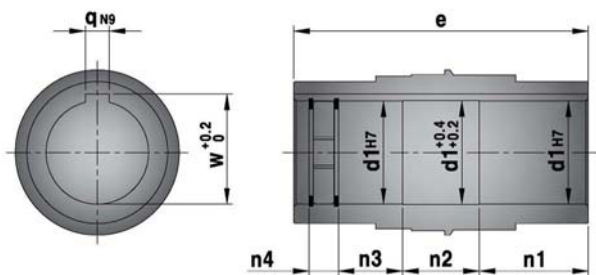
- Feature**
- 1) Geared Motor with high standard Gear guarantees quiet operation and comfortable work environment.
 - 2) The user can choose the single speed or the double speed according to purpose of usage.

Block Drive

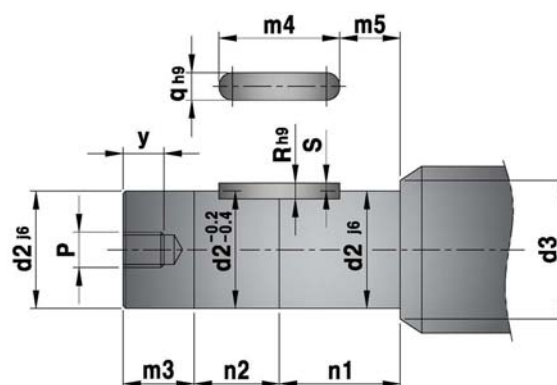


Model	Motor (kWxP)	Ratio	Output Torque (kg · m)	Application Wheel		Dimension (mm)								
				Dia(mm) & Load(kg)	Speed (m/min)	A	B	C	E	F	G	H	K	ØN
KBM 08	3.7x6 5.5x4	1/63	250	Ø355 25300	20 30	170	120	336	230	530	300	135	165	266
KBM 09	5.5x6 7.5x4	1/64	400	Ø450 32000	25 40	190	160	387	270	580	350	155	185	317
KBM 10	7.5x6 11x4	1/62	600	Ø560 40000	33 50	220	185	454	350	680	350	185	215	317
KBM 12	11x6 15x4	1/65	800	Ø710 50600	40 60	235	200	521	390	730	400	200	235	355
KBM 14	15x6 22x4	1/80	1400	Ø900 64000	40 60	250	230	607	425	730	400	215	245	355

Reducer Output Hollow Shaft



Wheel Solid Shaft



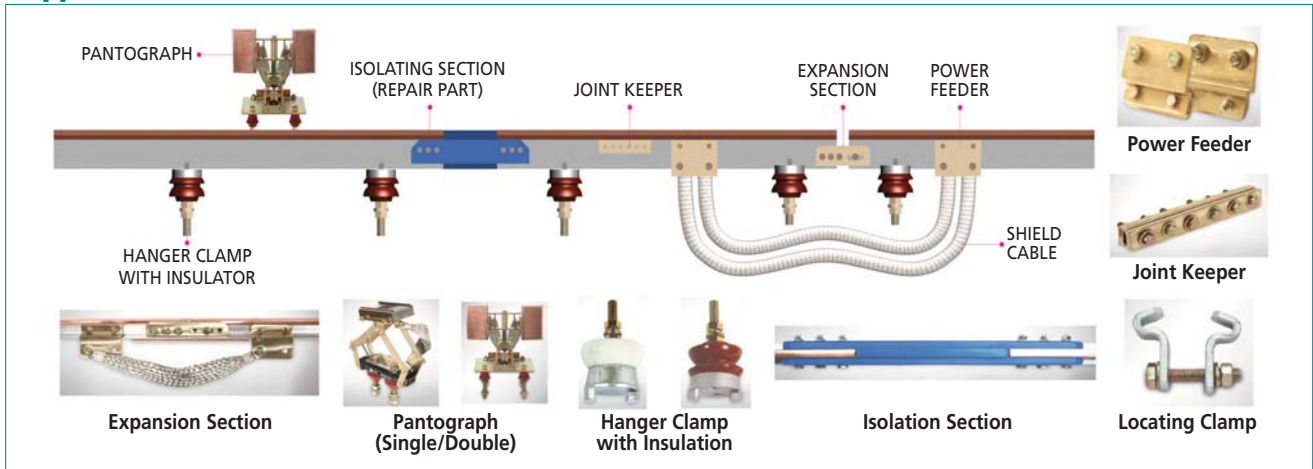
Model	Application Wheel							Dimension (mm)								
	n1	n2	n3	n4	d1	q	w	m3	m4	m5	f	s	d	d2	d3	y
KBM 08	85	60	50	23	80	22	85.4	45	160	35	14	5	M24	80	100	35
KBM 09	95	80	55	26	90	25	95.4	50	160	40	14	5	M24	90	110	35
KBM 10	105	140	56	35	105	28	114.4	50	200	45	16	6	M24	105	130	35
KBM 12	115	150	66	34	120	32	127.4	60	200	50	18	7	M24	120	150	35
KBM 14	135	155	77	36	140	36	148.4	70	240	55	20	8	M24	140	175	35

Note : Note : 1) Standard type : To attach DC Magnet Brake 2) To be possible to attach thruster brake. 3) Please make a contact about non-standard type.

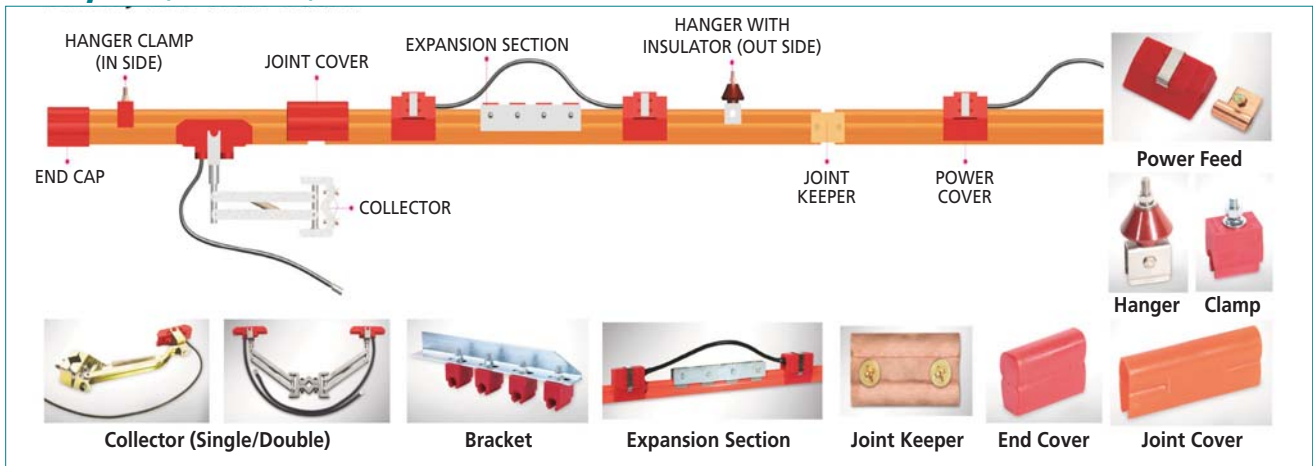


Trolley Bar & Track Assembly

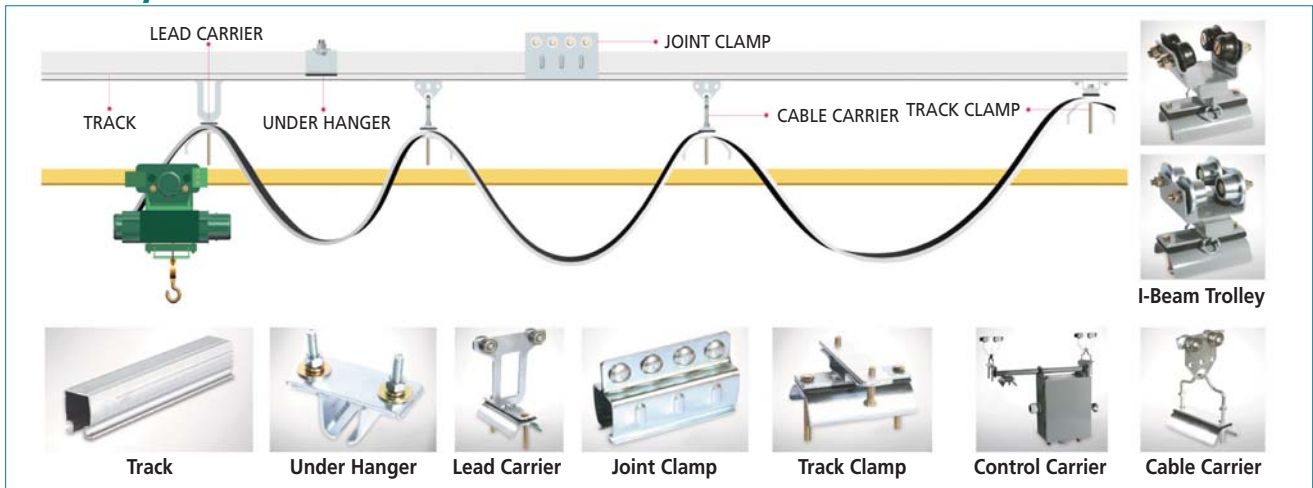
Copper Head Rail (300A~2000A)



Trolley Bar (50A~500A)



Festoon System



Accessory Part

Switch & Remote Control



Push Button Switch



Remote Control



Lever Switch



Control Switch



Limit Control



Micro Switch

Magnet Brake Controller



BK-120J1



BK-060G1



BK-060J1



BK-SR60

Soft Start



BK-300D



BK-501D



BK-1000D



BK-100D



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