



Since 1979

Electric Wire Rope Hoist



SUNGDO

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전동호이스트 부하시간율과 시동빈도에 대하여

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About load factor of electric hoist and starting frequency

호이스트의 반복운전에 있어서 부하시간율과 시동빈도를 구분하였습니다. 시동빈도를 알맞게 적용하여 Model을 적용하시면, 호이스트 수명을 연장합니다.

We classify load factor and starting frequency through repetition operation of hoist. if you apply starting frequency to a model, you can extend durability of it.

부하시간율과 시동빈도 구분

항목 \ 빈도구분	I	II	III	IV
부하시간율 Load factor	15	25	40	60
시동빈도(회수/시간) Starting frequency	180	200	240	360

부하시간율과 시동빈도 구분(10시간/1일 작업의 경우)

구분 反分	일일평균사용시간 (시간 /일) Working time/Day 毎日平均使用時間 (時間/日)	<1.5	<2.5	<4	<6
경부하 Light	통상50% 이하의 경하중을 사용하며 때때로 정격하중으로 사용 Usually it is used below 50% light load and sometimes. rated load	I	II	III	IV
표준부하 Medium	통상50% ~ 80%의 하중으로 사용하며. 정격하중으로도 사용 Generally. it is used not only 50% ~80% load but also. rated load	I	II	III	IV
중부하 Heavy	정격하중에 가까운 하중으로 자주 사용 It is used as a load close to rated load	II	III	IV	

Specification

Specification	Regular Type Hoist		Lowhead Type	Doublerail Type
	Suspension	Motor Driven Trolley	Motor Driven Trolley	Motor Driven Trolley
Push Button and its indication	3-point (emergency, up, down)	5-point (emergency, up, down, east, west) 7-point (emergency, up, down, east, west, south, north)		
Hoist Crossing (Traversing)	Traversing part is assembled separately to the hoist body by using spacers and suspension bolts			
Power Supply	AC phase power source 220V - 50Hz/60Hz X 3ph AC phase power source 380V - 50Hz/60Hz X 3ph AC phase power source 440V - 50Hz/60Hz X 3ph AC phase power source 460V - 50Hz/60Hz X 3ph AC phase power source 480V - 50Hz/60Hz X 3ph			
Ambient Temperature	-10°C ~ 40°C			
Construction	Weather and dust proof			
Utilization Factor	$\%ED = \frac{\text{Motor - powered time(min) in one hour with maximum work rate}}{60(\text{min})} \times 10$			



Type of Hoist

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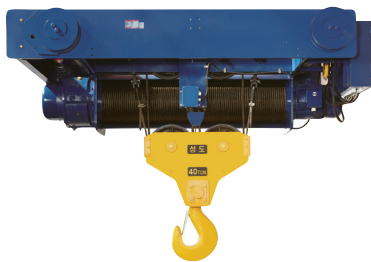
Monorail Type Hoist



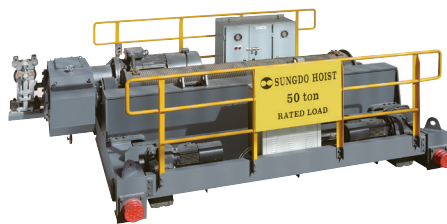
Doublerail Type Hoist



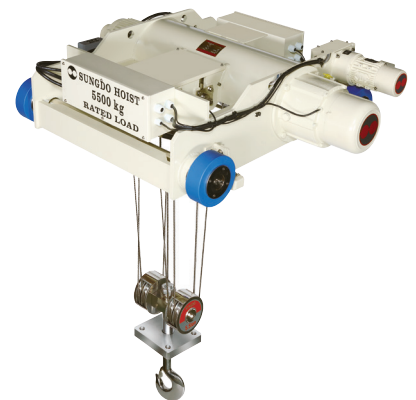
Main Aux type Hoist



Double Lowhead Type Hoist



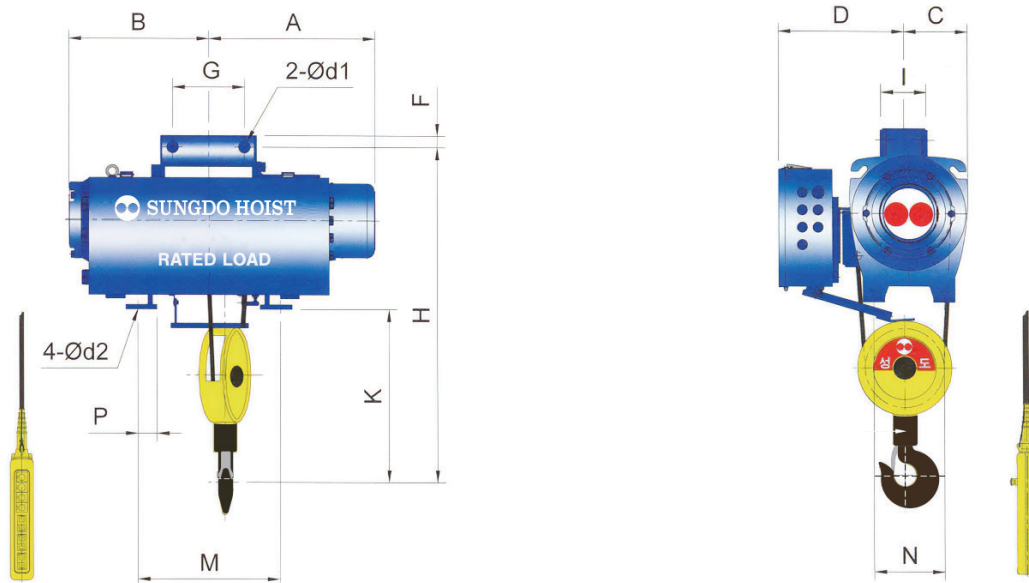
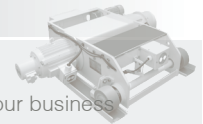
MC Crab



Clean Room Hoist

Regular Type Suspension Hoist

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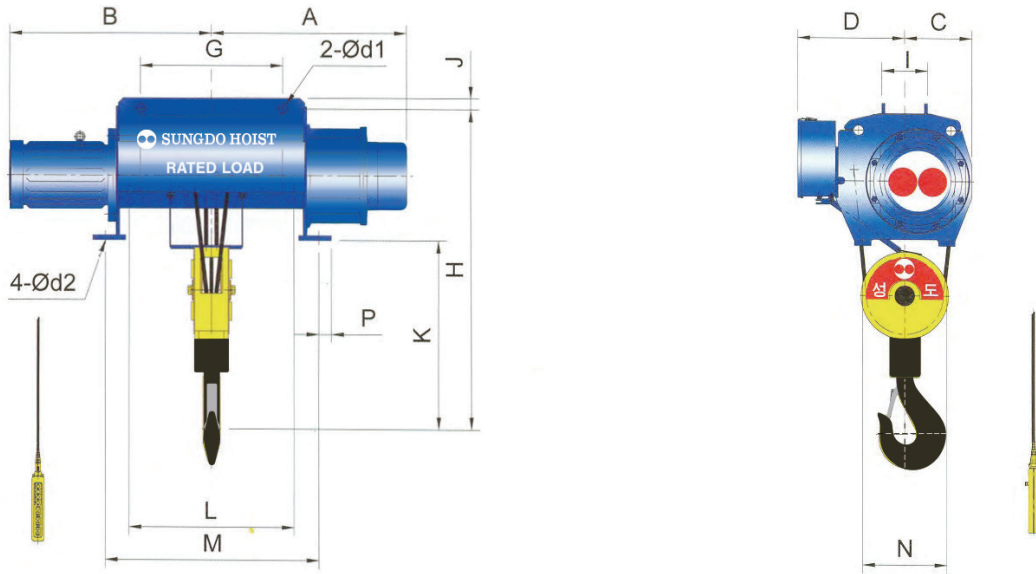


Code			SH1T-S	SH2T-S	SH2.8T-S	SH3T-S	SH5T-S	
Capacity (Ton)			1	2	2.8	3	5	
Model	Hoisting Speed	High Speed	SM1-H6(12)	SM2-H6(12)	SM2.8-H6(12)	SM3-H6(12)	SM5-H6(12)	
		Low Speed	SM1-L6(12)	SM2-L6(12)	SM2.8-L6(12)	SM3-L6(12)	SM5-L6(12)	
Hoist	Maximum Lift (m)		6 (12)	6 (12)	6 (12)	6 (12)	6 (12)	
	Hoisting Speed (m/min)	High Speed 50/60 (Hz)	10/12	8.4 / 10	7.5 / 9	7.5 / 9	4.7 / 5.6	
		Low Speed 50/60 (Hz)	6.6 / 8	5.4 / 6.5	3.7 / 4.5	3.7 / 4.5	3.5 / 4.2	
	Hoisting Motor (kw x P)	High Speed	2.4 x 4	3.7 x 4	5.0 x 4	5.5 x 4	5.5 x 6	
		Low Speed	1.5 x 6	2.5 x 6	2.5 x 8	2.8 x 8	4.2 x 8	
	Wire Rope	Construction	6x37, 6x36(WS)	6x37, 6x36(WS)	6x37, 6x36(WS)	6x37, 6x36(WS)	6 x 37	
Dia.(mm) x No. of Ropes		8 x 2	10 x 2	12.5 x 2	12.5 x 2	16 x 2		
Brake			DC Magnet Disc Brake					
Dimensions (mm) (approx.)			H	750	920	1050	1050	1235
			A	410 (510)	480 (580)	530 (630)	530 (630)	620 (720)
			B	380 (480)	400 (500)	455 (555)	455 (555)	530 (630)
			C	195	210	220	220	260
			D	280	320	350	350	395
			G	160	200	200	200	280
			F	28	35	30	30	45
			I	108	146	146	146	176
			K	380	480	545	545	695
			M	344 (544)	344 (544)	364 (564)	364 (564)	450 (650)
			N	160	175	220	220	260
			P	50	55	55	55	65
			d1	26	33	33	33	47
d2	17	17	17	17	17			
Weight (approx. - kg)			170 (198)	260 (290)	340 (390)	340 (390)	550 (610)	

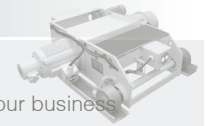
Note: Figures in () are for hoists of 12m lift

Regular Type Suspension Hoist

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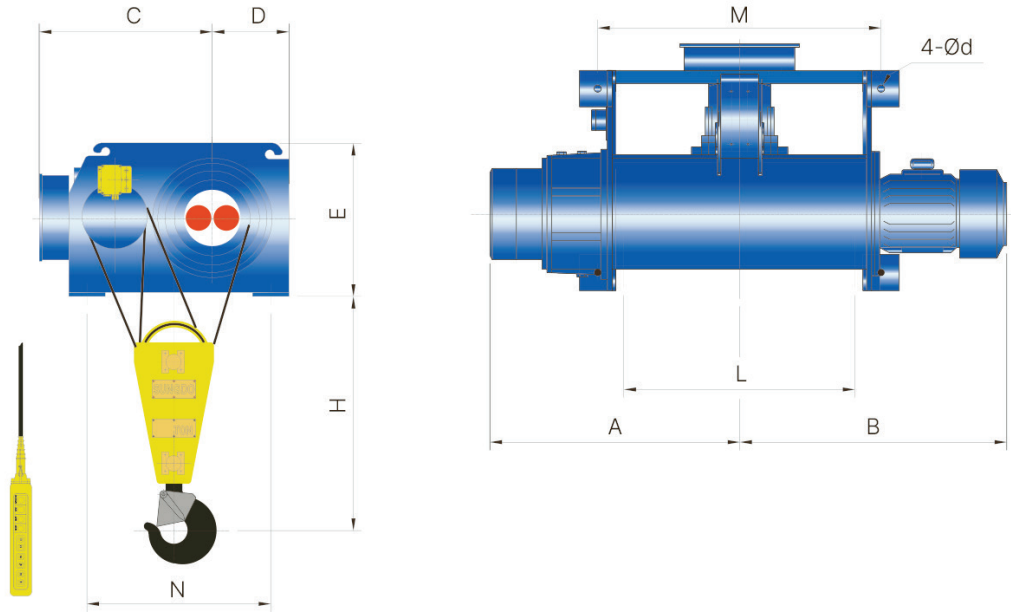


Code			SH7.5T-S	SH10T-S	SH15T-S	SH20T-S	
Capacity (Ton)			7.5	10	15	20	
Model	Hoisting Speed	High Speed	SM7.5-H12	SM10-H12	SM15-H12	SM20-H12	
		Low Speed	SM7.5-L12	-	SM15-L12	SM20-L12	
Hoist	Maximum Lift (m)		12	11.5	12	12	
	Hoisting Speed (m/min)	High Speed 50/60 (Hz)	3.1 / 3.8	3.7 / 4.5	3.5 / 4.2	3.5 / 4.2	
		Low Speed 50/60 (Hz)	2.3 / 2.8	-	2.3 / 2.8	2.3 / 2.8	
	Hoisting Motor (kw x P)	High Speed	5.5 x 6	9 x 8	13 x 8	17 x 8	
		Low Speed	4.2 x 8	-	8.5 x 12	11.5 x 12	
	Wire Rope	Construction	6x37, 6x36(WS)	6 x 37	6 x 37	6 x 37	
Dia.(mm) x No. of Ropes			14 x 4	16 x 4	20 x 4	22.4 x 4	
Brake			DC Magnet Disc Brake				
Dimensions (mm) (approx.)			H	1300	1330	1900	1900
			A	940	995	1120	1170
			B	845	935	1095	1145
			C	295	345	400	400
			D	480	555	640	640
			G	800	800	800	850
			I	232	232	272	272
			J	50	50	65	65
			K	700	765	1030	1030
			L	850	850	870	935
			M	1100	1100	1150	1250
			N	400	400	500	500
			P	40	40	40	40
d1	47	47	63	63			
d2	25	25	30	30			
Weight (approx. - kg)			850	1120	1780	2050	



Fixed Mounted Hoist

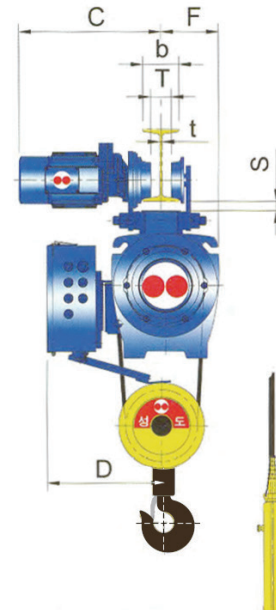
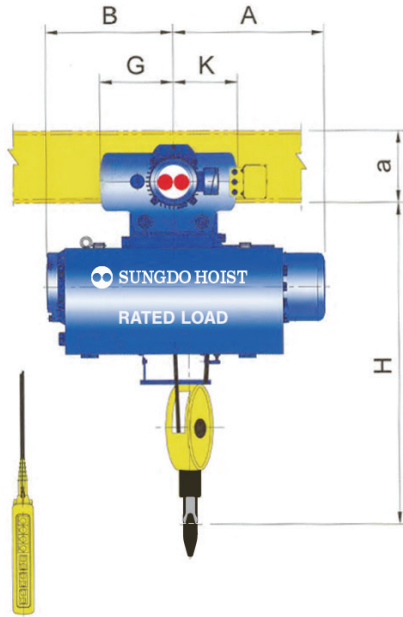
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Code		SH35T-F	SH50T-F	SH60T-F	SH70T-F	
Capacity (Ton)		35	50	60	70	
Model		SD35-H12	SD50-H12	SD60-H12	SD70-H12	
Hoist	Maximum Lift (m)	12	12	12	12	
	Hoisting Speed (m/min) 50/60 (Hz)	4 / 4.8	2.7 / 3.2	2 / 2.4	2 / 2.4	
	Hoisting Motor (kw x P)	33 x 6	33 x 6	33 x 6	33 x 6	
	Wire Rope	Construction	6 x Fi (25), (29) IWRC	6 x Fi (25), (29) IWRC	6 x Fi (25), (29) IWRC	6 x Fi (25), (29) IWRC
		Dia.(mm) x No. of Ropes	28 x 4	28 x 6	28 x 8	28 x 8
Brake		DC Magnet Disc Brake				
Dimensions (mm) (approx.)	H	1300	1450	1750	1750	
	A	1465	1790	2030	2030	
	B	1595	1920	2170	2170	
	C	560	905	1000	1000	
	D	855	1100	1005	1005	
	E	1000	1100	1100	1100	
	L	1015	1650	2000	2000	
	M	1500	2250	2750	2750	
	N	1000	1600	1600	1600	
Ø d	47	63	63	63		
Weight (approx. - kg)		4300	6850	7800	7800	

Monorail Type Hoist

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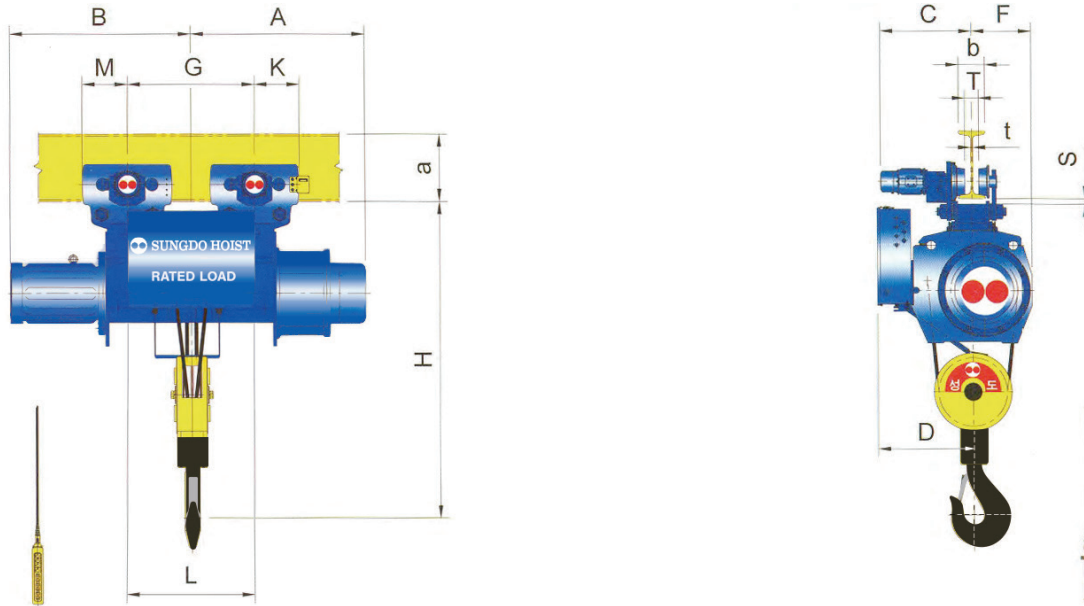
Code		SH1T-N	SH2T-N	SH2.8T-N	SH3T-N	SH5T-N																
Capacity (Ton)		1	2	2.8	3	5																
Model	Hoisting / Traversing Speed	High / High	SM1-H6(12)-MH	SM2-H6(12)-MH	SM2.8-H6(12)-MH	SM3-H6(12)-MH	SM5-H6(12)-MH															
		High / Low	SM1-H6(12)-ML	SM2-H6(12)-ML	SM2.8-H6(12)-ML	SM3-H6(12)-ML	SM5-H6(12)-ML															
		Low / High	SM1-L6(12)-MH	SM2-L6(12)-MH	SM2.8-L6(12)-MH	SM3-L6(12)-MH	SM5-L6(12)-MH															
		Low / Low	SM1-L6(12)-ML	SM2-L6(12)-ML	SM2.8-L6(12)-ML	SM3-L6(12)-ML	SM5-L6(12)-ML															
Hoist	Maximum Lift (m)		6 (12)	6 (12)	6 (12)	6 (12)	6 (12)															
	Hoisting Speed (m/min)	High Speed 50/60 (Hz)	10 / 12	8.4 / 10	7.5 / 9	7.5 / 9	4.7 / 5.6															
		Low Speed 50/60 (Hz)	6.6 / 8	5.4 / 6.5	3.7 / 4.5	3.7 / 4.5	3.5 / 4.2															
	Hoisting Motor (kw x P)	High Speed	2.4 x 4	3.7 x 4	5.0 x 4	5.5 x 4	5.5 x 6															
		Low Speed	1.5 x 6	2.5 x 6	2.5 x 8	2.8 x 8	4.2 x 8															
	Wire Rope	Construction	6x37, 6x36(WS)	6x37, 6x36(WS)	6x37, 6x36(WS)	6x37, 6x36(WS)	6 x 37															
Dia.(mm) x No. of Ropes		8 x 2	10 x 2	12.5 x 2	12.5 x 2	16 x 2																
Brake		DC Magnet Disc Brake																				
T / S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	17 / 20	20 / 24	20 / 24	20 / 24	20 / 24															
		Low Speed 50/60 (Hz)	12 / 14	13 / 16	13 / 16	13 / 16	13 / 16															
	Traversing Motor (kw x P)	High Speed	0.75 x 4	0.75 x 4	0.75 x 4	0.75 x 4	0.75 x 4															
		Low Speed	0.5 x 6	0.5 x 6	0.5 x 6	0.5 x 6	0.5 x 6															
Dimensions (mm) (approx.)	H	870	980	1115	1115	1325																
	A	410 (470)	480 (530)	530 (580)	530 (580)	625 (690)																
	B	380 (520)	400 (550)	455 (610)	455 (610)	530 (665)																
	D	310	340	380	380	420																
	G	200	225	225	225	276																
	K	200	225	225	225	276																
I-Beam and Spacing (mm)	a x b x t	C	F	S	T	C	F	S	T	C	F	S	T	C	F	S	T	C	F	S	T	
	200 X 100 X 7	430	220	38	46	445	225	35	47	-	-	-	-	-	-	-	-	-	-	-	-	-
	250 X 125 X 7.5	445	220	37	71	450	225	34	72	450	225	34	72	450	225	34	72	470	265	45	60	
	300 X 150 X 10	455	230	37	96	465	235	29	97	465	235	34	97	465	235	34	97	480	275	45	85	
	450 x 175 x 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	490	280	32	110
Min. Radius of Curvature (m)		1.5		1.8		1.8		1.8		2.3												
Weight (approx. - kg)		190 (218)		278 (314)		374 (418)		374 (418)		580 (642)												

Note 1. Figures in () are for hoists of 12m lift
 2. The size of I-Beam in section is standard for each model. Other I-Beam can also be used (spacer).
 3. If there is a curved beam then there should be indication in advance.



Monorail Type Hoist

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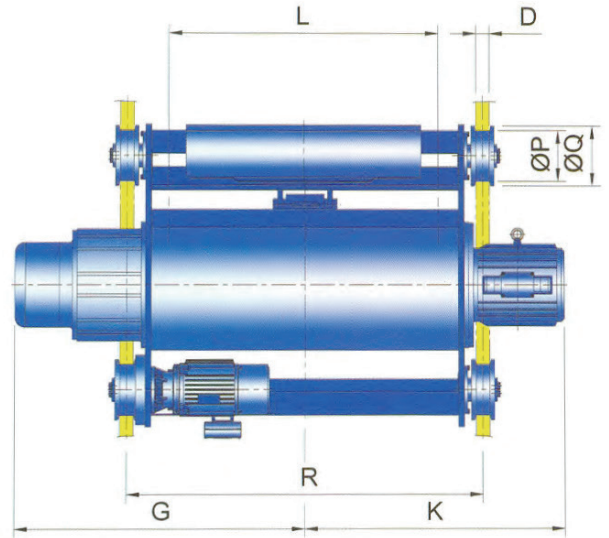
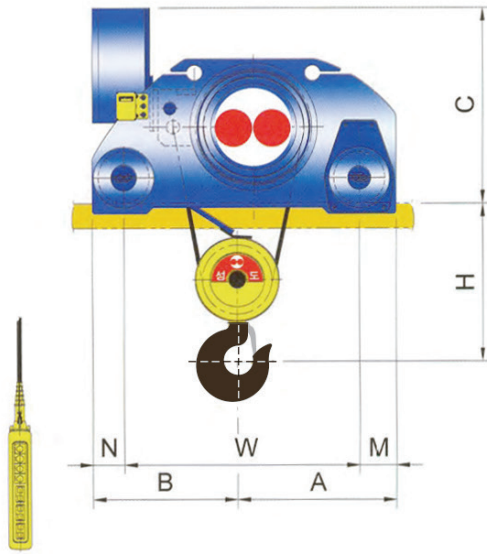
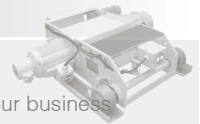


Code		SH7.5T-N	SH10T-N	SH15T-N	SH20T-N												
Capacity (Ton)		7.5	10	15	20												
Model	Hoisting / Traversing Speed	High / High	SM7.5-H12-MH	SM10-H12-MH	SM15-H12-MH	SM20-H12-MH											
		High / Low	SM7.5-H12-ML	SM10-H12-ML	SM15-H12-ML	SM20-H12-ML											
		Low / High	SM7.5-L12-MH	-	SM15-L12-MH	SM20-L12-MH											
		Low / Low	SM7.5-L12-ML	-	SM15-L12-ML	SM20-L12-ML											
Hoist	Maximum Lift (m)		12	11.5	12	12											
	Hoisting Speed (m/min)	High Speed 50/60 (Hz)	3.1 / 3.8	3.7 / 4.5	3.5 / 4.2	3.5 / 4.2											
		Low Speed 50/60 (Hz)	2.3 / 2.8	-	2.3 / 2.8	2.3 / 2.8											
	Hoisting Motor (kw x P)	High Speed	5.5 x 6	9 x 8	13 x 8	17 x 8											
		Low Speed	4.2 x 8	-	8.5 x 12	11.5 x 12											
	Wire Rope	Construction	6 x 37, 6 x 36(WS)	6 x 37	6 x 37	6 x 37											
Dia.(mm) x No. of Ropes		14 x 4	16 x 4	20 x 4	22.4 x 4												
Brake		DC Magnet Disc Brake															
T / S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	12.5 / 15	12.5 / 15	12.5 / 15	12.5 / 15											
		Low Speed 50/60 (Hz)	8.3 / 10	8.3 / 10	8.3 / 10	8.3 / 10											
	Traversing Motor (kw x P)	High Speed	2 x 0.75 x 4	2 x 0.75 x 4	2 x 1.5 x 4	2 x 1.5 x 4											
		Low Speed	2 x 0.5 x 6	2 x 0.5 x 6	2 x 1.0 x 6	2 x 1.0 x 6											
Dimensions (mm) (approx.)	H	1460	1565	2115	2115												
	A	940	995	1120	1170												
	B	845	935	1095	1145												
	D	485	560	640	640												
	L	850	850	870	935												
	G	800	800	800	850												
	K	275	275	295	295												
M	275	275	295	295													
I-Beam and Spacing (mm)	a x b x t	C	F	S	T	C	F	S	T	C	F	S	T	C	F	S	T
	300 X 150 X 10	475	295	35	68	475	345	35	68	-	-	-	-	-	-	-	-
	450 X 175 X 13	485	295	30	93	485	345	30	93	560	400	32	77	560	400	32	77
	600 X 190 X 13	495	295	25	118	495	345	25	118	570	400	32	92	570	400	32	92
Min. Radius of Curvature (m)		For Straight Only															
Weight (approx. - kg)		910		1210				2030				2300					

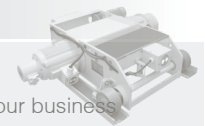
Note 1. The size of I-Beam in section is standard for each model. Other I-Beam can also be used (spacer).
 2. If there is a curved beam then there should be indication in advance.

Doublerail Type Hoist

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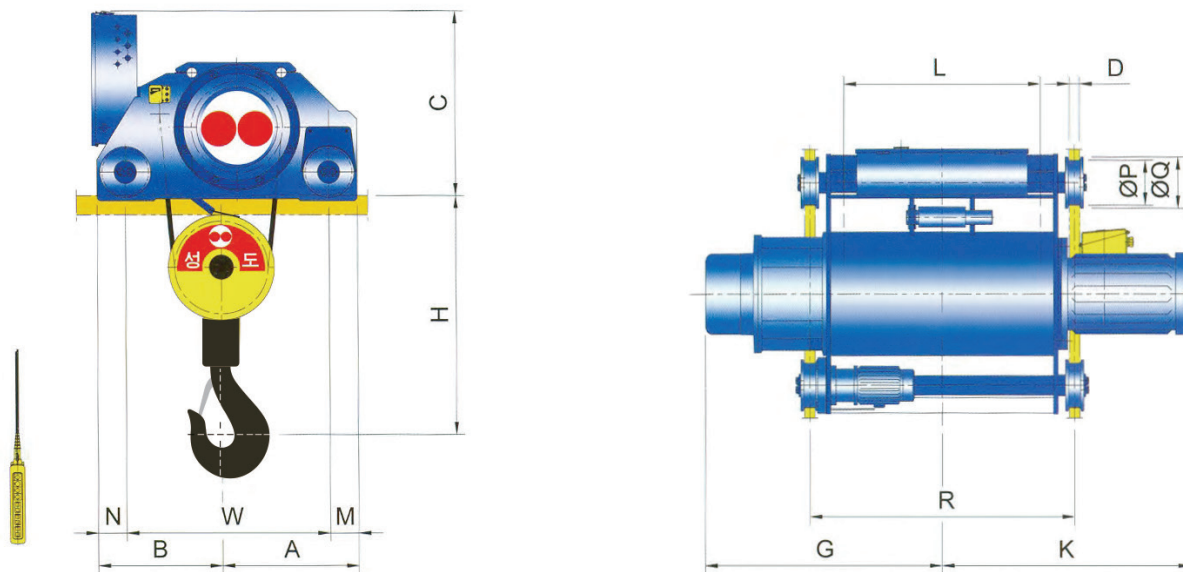


Code			SH2T-D	SH2.8T-D	SH3T-D	SH5T-D
Capacity (Ton)			2	2.8	3	5
Model	Hoisting / Traversing Speed	High / High	SD2-H12-MH	SD2.8-H12-MH	SD3-H12-MH	SD5-H12-MH
		High / Low	SD2-H12-ML	SD2.8-H12-ML	SD3-H12-ML	SD5-H12-ML
		Low / High	SD2-L12-MH	SD2.8-L12-MH	SD3-L12-MH	SD5-L12-MH
		Low / Low	SD2-L12-ML	SD2.8-L12-ML	SD3-L12-ML	SD5-L12-ML
Hoist	Maximum Lift (m)		12	12	12	12
	Hoisting Speed (m/min)	High Speed 50/60 (Hz)	8.4 / 10	7.5 / 9	7.5 / 9	4.7 / 5.6
		Low Speed 50/60 (Hz)	5.4 / 6.5	3.7 / 4.5	3.7 / 4.5	3.5 / 4.2
	Hoisting Motor (kw x P)	High Speed	3.7 x 4	5.0 x 4	5.5 x 4	5.5 x 6
		Low Speed	2.5 x 6	2.5 x 8	2.8 x 8	4.2 x 8
	Wire Rope	Construction	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)
Dia.(mm) x No. of Ropes		8 x 4	9 x 4	9 x 4	12.5 x 4	
Brake			DC Magnet Disc Brake			
T/S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	20 / 24	20 / 24	20 / 24	20 / 24
		Low Speed 50/60 (Hz)	13 / 16	13 / 16	13 / 16	13 / 16
	Traversing Motor (kw x P)	High Speed	0.75 x 4	0.75 x 4	0.75 x 4	0.75 x 4
		Low Speed	0.5 x 6	0.5 x 6	0.5 x 6	0.5 x 6
Dimensions (mm) (approx.)	H	415	420	420	510	
	R	950	950	950	1150	
	A	465	465	465	507	
	B	390	390	390	474	
	C	545	570	570	630	
	G	755	795	795	950	
	K	675	720	720	860	
	W	650	650	650	760	
	D	47	47	47	47	
	L	680	690	690	890	
	M	112	112	112	119	
	N	93	93	93	102	
	Ø P	140	140	140	165	
Ø Q	170	170	170	195		
Weight (approx. - kg)			450	550	550	850
Traversing Rail (kg/m)			15	15	15	15



Doublerail Type Hoist

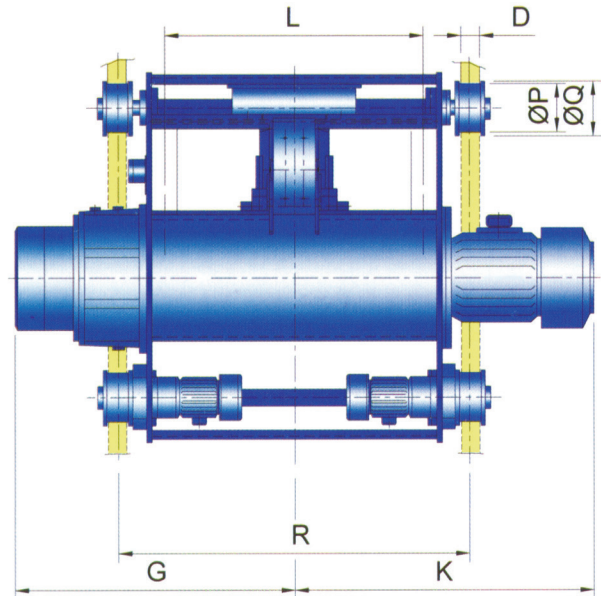
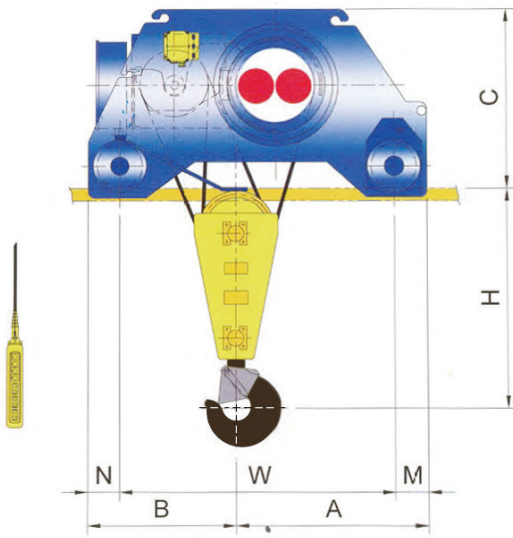
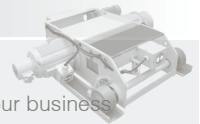
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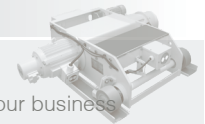
Code			SH7.5T-D	SH10T-D	SH15T-D	SH20T-D	SH30T-D
Capacity (Ton)			7.5	10	15	20	30
Model	Hoisting / Traversing Speed	High / High	SD7.5-H12-MH	SD10-H12-MH	SD15-H12-MH	SD20-H12-MH	SD30-H12-MH
		High / Low	SD7.5-H12-ML	SD10-H12-ML	SD15-H12-ML	SD20-H12-ML	SD30-H12-ML
		Low / High	SD7.5-L12-MH	-	SD15-L12-MH	SD20-L12-MH	SD30-L12-MH
		Low / Low	SD7.5-L12-ML	-	SD15-L12-ML	SD20-L12-ML	SD30-L12-ML
Hoist	Maximum Lift (m)		12	11.5	12	12	12
	Hoisting Speed (m/min)	High Speed 50/60 (Hz)	3.1 / 3.8	3.7 / 4.5	3.5 / 4.2	3.5 / 4.2	2.3 / 2.8
		Low Speed 50/60 (Hz)	2.3 / 2.8	-	2.3 / 2.8	2.3 / 2.8	1.5 / 1.8
	Hoisting Motor (kw x P)	High Speed	5.5 x 6	9 x 8	13 x 8	17 x 8	17 x 8
		Low Speed	4.2 x 8	-	8.5 x 12	11.5 x 12	11.5 x 12
	Wire Rope	Construction	6 x 37, 6 x 36(WS)	6 x 37	6 x 37	6 x 37	6 x 37
Dia.(mm) x No. of Ropes		14 x 4	16 x 4	20 x 4	22.4 x 4	22.4 x 6	
Brake		DC Magnet Disc Brake					
T/S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	12.5 / 15	12.5 / 15	12.5 / 15	12.5 / 15	12.5 / 15
		Low Speed 50/60 (Hz)	8.3 / 10	8.3 / 10	8.3 / 10	8.3 / 10	8.3 / 10
	Traversing Motor (kw x P)	High Speed	0.75 x 4	0.75 x 4	1.5 x 4	1.5 x 4	2 x 1.5 x 4
		Low Speed	0.5 x 6	0.5 x 6	1.0 x 6	1.0 x 6	2 x 1.0 x 6
Dimensions (mm) (approx.)	H	730	775	1175	1175	1480	
	R	1150	1150	1200	1300	1800	
	A	510	565	670	670	930	
	B	495	510	610	610	950	
	C	645	680	910	910	980	
	G	940	985	1120	1170	1430	
	K	845	935	1095	1145	1405	
	W	800	865	1000	1000	1540	
	D	58	58	58	58	70	
	L	850	850	870	935	1420	
	M	110	110	140	140	180	
	N	95	100	140	140	160	
Ø P	165	165	220	220	250		
Ø Q	195	195	250	250	280		
Weight (approx. - kg)		900	1200	1850	2300	3450	
Traversing Rail (kg/m)		15	15	22	22	30	

Doublerail Type Hoist

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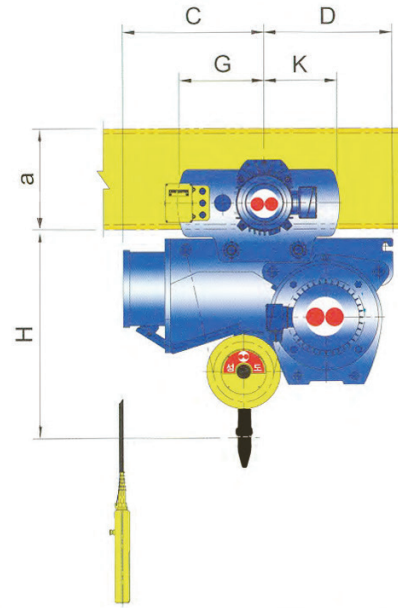
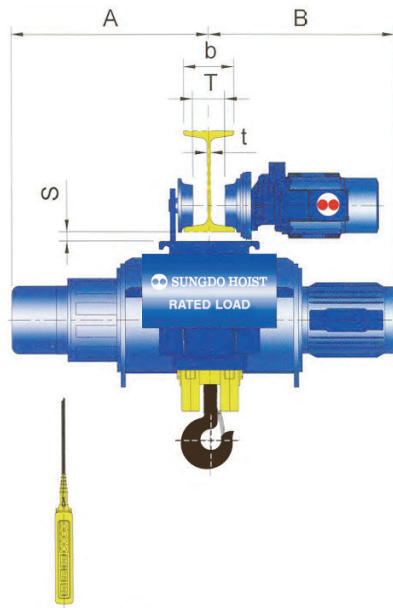


Code			SH35T-D	SH50T-D	SH60T-D	SH70T-D
Capacity (Ton)			35	50	60	70
Model	Traversing Speed	High Speed	SD35-H12-MH	SD50-H12-MH	SD60-H12-MH	SD70-H12-MH
		Low Speed	SD35-H12-ML	SD50-H12-ML	SD60-H12-ML	SD70-H12-ML
Hoist	Maximum Lift (m)		12	12	12	12
	Hoisting Speed (m/min) 50/60 (Hz)		4 / 4.8	2.7 / 3.2	2 / 2.4	2 / 2.4
	Hoisting Motor (kw x P)		33 x 6	33 x 6	33 x 6	33 x 6
	Wire Rope	Construction	6 x Fi (25), (29) IWRC	6 x Fi (25), (29) IWRC	6 x Fi (25), (29) IWRC	6 x Fi (25), (29) IWRC
		Dia.(mm) x No. of Ropes	28 x 4	28 x 6	28 x 8	28 x 8
Brake		DC Magnet Disc Brake				
T / S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	12.5 / 15	12.5 / 15	12.5 / 15	12.5 / 15
		Low Speed 50/60 (Hz)	8.3 / 10	8.3 / 10	8.3 / 10	8.3 / 10
	Traversing Motor (kw x P)	High Speed	2.2 x 4	2 x 2.2 x 4	2 x 2.2 x 4	2 x 3.7 x 4
		Low Speed	1.5 x 6	2 x 1.5 x 6	2 x 1.5 x 6	2 x 2.2 x 6
Dimensions (mm) (approx.)		H	1300	1450	1750	1750
		R	1600	2300	2800	2800
		A	1025	1432	1525	1525
		B	955	1243	1150	1150
		C	1015	1220	1220	1220
		G	1465	1790	2030	2030
		K	1595	1920	2170	2170
		W	1550	2125	2075	2075
		D	70	80	80	80
		L	1015	1650	2000	2000
		M	215	275	300	300
		N	215	275	300	300
		ØP	355	450	500	500
		ØQ	395	490	540	540
Weight (approx. - kg)		5500	8750	10100	10100	
Traversing Rail (kg/m)		37	37, 50	37, 50	37, 50	



Lowhead Type Hoist

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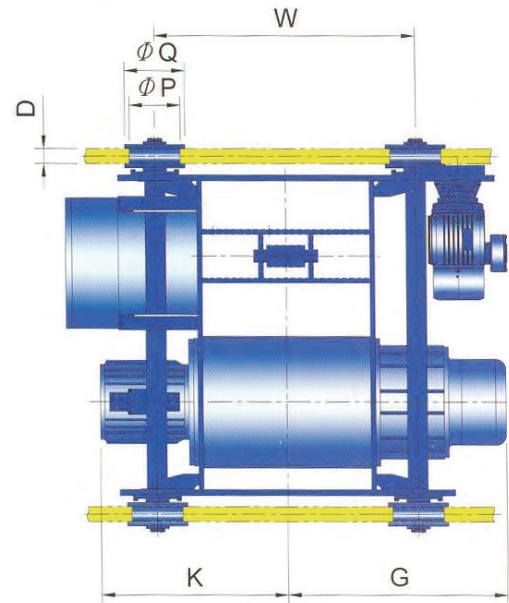
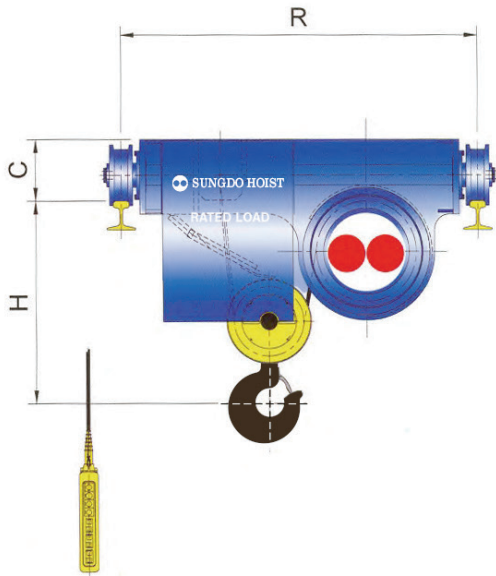
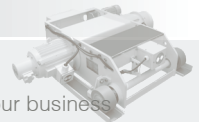


Code		SH1T-L		SH2T-L		SH2.8T-L		SH3T-L		SH5T-L	
Capacity (Ton)		1		2		2.8		3		5	
Model	Hoisting / Traversing Speed	High / High	SL1-H6-MH	SL2-H6-MH	SL2.8-H6-MH	SL3-H6-MH	SL5-H6-MH				
		High / Low	SL1-H6-ML	SL2-H6-ML	SL2.8-H6-ML	SL3-H6-ML	SL5-H6-ML				
		Low / High	SL1-L6-MH	SL2-L6-MH	SL2.8-L6-MH	SL3-L6-MH	SL5-L6-MH				
		Low / Low	SL1-L6-ML	SL2-L6-ML	SL2.8-L6-ML	SL3-L6-ML	SL5-L6-ML				
Hoist	Maximum Lift (m)		6	6	6	6	6				
	Hoisting Speed (m/min)	High Speed 50/60 (Hz)	10 / 12	8.4 / 10	7.5 / 9	7.5 / 9	4.7 / 5.6				
		Low Speed 50/60 (Hz)	6.6 / 8	5.4 / 6.5	3.7 / 4.5	3.7 / 4.5	3.5 / 4.2				
	Hoisting Motor (kw x P)	High Speed	2.4 x 4	3.7 x 4	5.0 x 4	5.5 x 4	5.5 x 6				
		Low Speed	1.5 x 6	2.5 x 6	2.5 x 8	2.8 x 8	4.2 x 8				
	Wire Rope	Construction	6 x 19	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)				
Dia.(mm) x No. of Ropes		6 x 4	8 x 4	9 x 4	9 x 4	11.2 x 4					
Brake		DC Magnet Disc Brake									
T / S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	17 / 20	20 / 24	20 / 24	20 / 24	20 / 24				
		Low Speed 50/60 (Hz)	12 / 14	13 / 16	13 / 16	13 / 16	13 / 16				
	Traversing Motor (kw x P)	High Speed	0.75 x 4	0.75 x 4	0.75 x 4	0.75 x 4	0.75 x 4				
		Low Speed	0.5 x 6	0.5 x 6	0.5 x 6	0.5 x 6	0.5 x 6				
Dimensions (mm) (approx.)	H	550	620	620	620	750					
	A	510	605	630	630	720					
	B	480	525	555	555	630					
	C	405	455	510	510	584					
	D	290	385	395	395	466					
	G	200	225	225	225	275					
	K	200	225	225	225	275					
I-Beam and Spacing (mm)	a x b x t	S	T	S	T	S	T	S	T	S	T
	200 X 100 X 7	38	46	34	46	-	-	-	-	-	-
	250 X 125 X 7.5	37	71	34	72	34	72	34	72	45	61
	300 X 150 X 10	37	96	34	97	34	97	34	97	45	86
	450 x 175 x 13	-	-	-	-	-	-	-	-	32	110
Min. Radius of Curvature (m)		1.5		1.8		1.8		1.8		2.3	
Weight (approx. - kg)		200		350		440		440		680	

Note 1. The size of I-Beam in section is standard for each model. Other I-Beam can also be used (spacer).
 2. If there is a curved beam then there should be indication in advance.

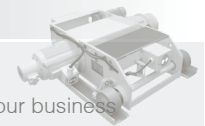
Double Lowhead Type Hoist

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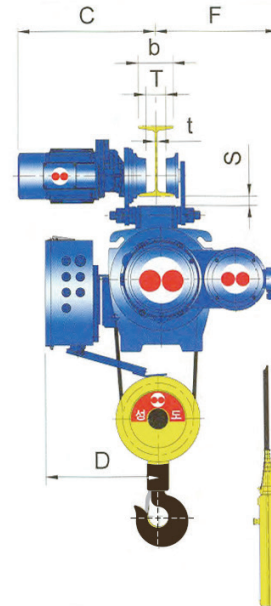
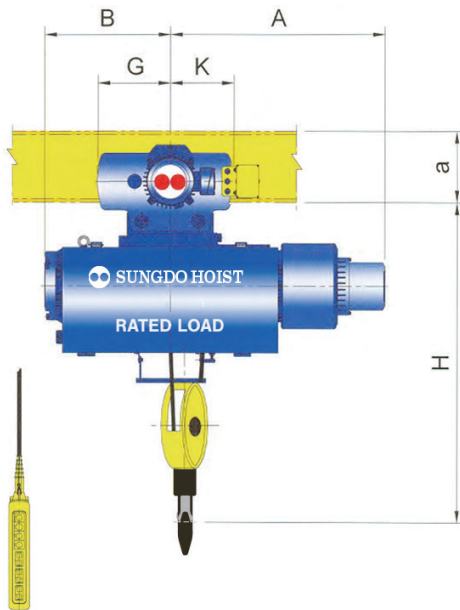
Code		SH2T-DS	SH2.8T-DS	SH3T-DS	SH5T-DS	SH7.5T-DS	SH10T-DS	
Capacity (Ton)		2	2.8	3	5	7.5	10	
Model	Hoisting / Traversing Speed	High / High	SDL2-H6(12)-MH	SDL2.8-H6(12)-MH	SDL3-H6(12)-MH	SDL5-H6(12)-MH	SDL7.5-H6(12)-MH	SDL10-H12-MH
		High / Low	SDL2-H6(12)-ML	SDL2.8-H6(12)-ML	SDL3-H6(12)-ML	SDL5-H6(12)-ML	SDL7.5-H6(12)-ML	SDL10-H12-ML
		Low / High	SDL2-L6(12)-MH	SDL2.8-L6(12)-MH	SDL3-L6(12)-MH	SDL5-L6(12)-MH	SDL7.5-L6(12)-MH	-
		Low / Low	SDL2-L6(12)-ML	SDL2.8-L6(12)-ML	SDL3-L6(12)-ML	SDL5-L6(12)-ML	SDL7.5-L6(12)-ML	-
Hoist	Maximum Lift (m)		6 (12)	6 (12)	6 (12)	6 (12)	6 (12)	11.5
	Hoisting Speed (m/min)	High Speed 50/60 (Hz)	8.4 / 10	7.5 / 9	7.5 / 9	4.7 / 5.6	3.1 / 3.8	3.7 / 4.5
		Low Speed 50/60 (Hz)	5.4 / 6.5	3.7 / 4.5	3.7 / 4.5	3.5 / 4.2	2.3 / 2.8	-
	Hoisting Motor (kw x P)	High Speed	3.7 x 4	5.0 x 4	5.5 x 4	5.5 x 6	5.5 x 6	9 x 8
		Low Speed	2.5 x 6	2.5 x 8	2.8 x 8	4.2 x 8	4.2 x 8	-
	Wire Rope	Construction	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)	6 x 37
Dia.(mm) x No. of Ropes		8 x 4	9 x 4	9 x 4	11.2(12.5) x 4	14 x 4	16 x 4	
Brake		DC Magnet Disc Brake						
T/S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	20 / 24	20 / 24	20 / 24	20 / 24	12.5 / 15	12.5 / 15
		Low Speed 50/60 (Hz)	13 / 16	13 / 16	13 / 16	13 / 16	8.3 / 10	8.3 / 10
	Traversing Motor (kw x P)	High Speed	0.75 x 4	0.75 x 4	0.75 x 4	0.75 x 4	0.75 x 4	0.75 x 4
		Low Speed	0.5 x 6	0.5 x 6	0.5 x 6	0.5 x 6	0.5 x 6	0.5 x 6
Dimensions (mm) (approx.)	H	585	585	585	600	950	1300	
	R	950	950	950	1150	1150	1400	
	C	200	200	200	200	200	250	
	G	605 (755)	630 (795)	630 (795)	720 (950)	740 (940)	995	
	K	525 (675)	555 (720)	555 (720)	630 (860)	640 (845)	935	
	W	730 (1060)	730 (1060)	730 (1060)	840 (1300)	840 (1300)	1245	
	D	47	47	47	47	58	58	
	ØP	140	140	140	165	165	165	
	ØQ	170	170	170	195	195	195	
Weight (approx. - kg)		420 (470)	450 (500)	450 (500)	750 (810)	790 (890)	1250	
Traversing Rail (kg/m)		15	15	15	15	15	15	

- Note
1. Figures in () are for hoists of 12m lift
 2. Lift height over 6m is available
 3. For 10 ton, only 12m height is available



Creep - Monorail Type Hoist

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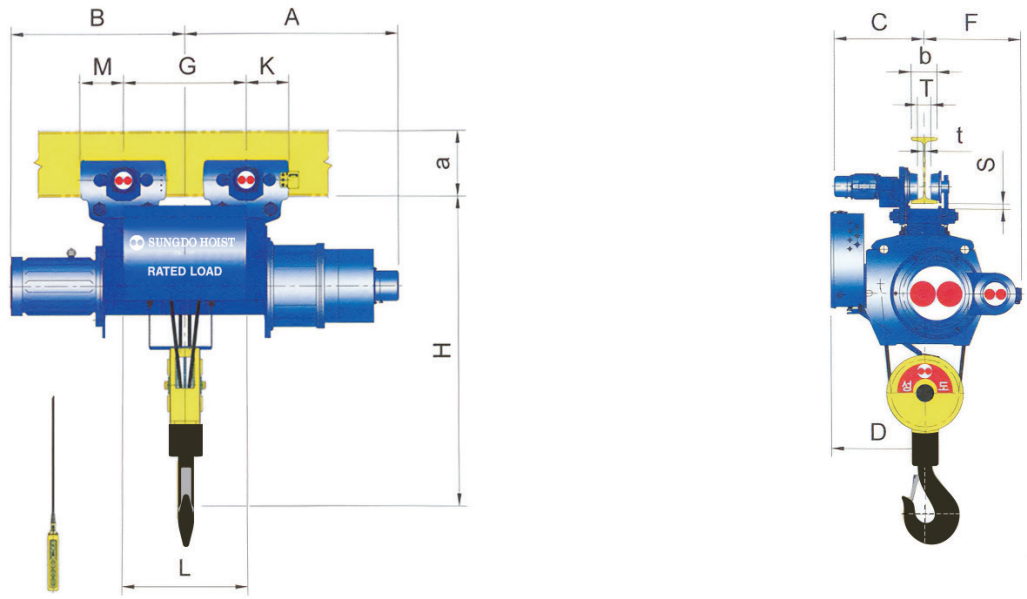
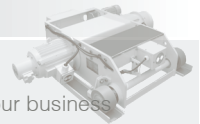


Code		SH1C-N		SH2C-N		SH2.8C-N		SH3C-N		SH5C-N								
Capacity (Ton)		1		2		2.8		3		5								
Model	Traversing Speed	High Speed	CSM1-H6(12)-MH		CSM2-H6(12)-MH		CSM2.8-H6(12)-MH		CSM3-H6(12)-MH		CSM5-H6(12)-MH							
		Low Speed	CSM1-H6(12)-ML		CSM2-H6(12)-ML		CSM2.8-H6(12)-ML		CSM3-H6(12)-ML		CSM5-H6(12)-ML							
Hoist	Maximum Lift (m)		6 (12)		6 (12)		6 (12)		6 (12)		6 (12)							
	Hoisting Speed / Creep Speed (m/min)	50 (Hz)	10 / 0.7		8.4 / 0.54		7.5 / 0.5		7.5 / 0.5		4.7 / 0.47							
		60 (Hz)	12 / 0.8		10 / 0.65		9 / 0.6		9 / 0.6		5.6 / 0.56							
	Hoisting Motor High / Creep Speed (kw x P)		2.4 / 0.3 x 4 / 6		3.7 / 0.3 x 4 / 6		5.0 / 1.0 x 4 / 6		5.5 / 1.0 x 4 / 6		5.5 / 1.0 x 6							
	Wire Rope	Construction	6 x 37, 6 x 36(WS)		6 x 37, 6 x 36(WS)		6 x 37, 6 x 36(WS)		6 x 37, 6 x 36(WS)		6 x 37							
Dia.(mm) x No. of Ropes		8 x 2		10 x 2		12.5 x 2		12.5 x 2		16 x 2								
Brake		DC Magnet Disc Brake																
T / S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	17 / 20		20 / 24		20 / 24		20 / 24		20 / 24							
		Low Speed 50/60 (Hz)	12 / 14		13 / 16		13 / 16		13 / 16		13 / 16							
	Traversing Motor (kw x P)	High Speed	0.75 x 4		0.75 x 4		0.75 x 4		0.75 x 4		0.75 x 4							
		Low Speed	0.5 x 6		0.5 x 6		0.5 x 6		0.5 x 6		0.5 x 6							
Dimensions (mm) (approx.)	H		870		980		1115		1115		1325							
	A		600 (655)		630 (680)		745 (795)		745 (795)		845 (905)							
	B		380 (520)		400 (550)		455 (605)		455 (605)		530 (665)							
	D		310		340		380		380		420							
	F		430		455		470		470		495							
	G		200		225		225		225		276							
	K		200		225		225		225		276							
I-Beam and Spacing (mm)	a x b x t		C	S	T	C	S	T	C	S	T	C	S	T	C	S	T	
	200 x 100 x 7		430	38	46	445	35	47	-	-	-	-	-	-	-	-	-	-
	250 x 125 x 7.5		445	37	71	450	34	72	450	34	72	450	34	72	470	45	61	
	300 x 150 x 10		455	37	96	465	34	97	465	34	97	465	34	97	480	45	86	
	450 x 175 x 13		-	-	-	-	-	-	-	-	-	-	-	-	490	32	110	
Min. Radius of Curvature (m)		1.5		1.8		1.8		1.8		1.8		2.3						
Weight (approx. - kg)		225 (245)		320 (355)		415 (460)		415 (460)		635 (700)								

Note 1. Figures in () are for hoists of 12m lift
 2. The size of I-Beam in section is standard for each model. Other I-Beam can also be used (spacer).
 3. If there is a curved beam then there should be indication in advance.

Creep - Monorail Type Hoist

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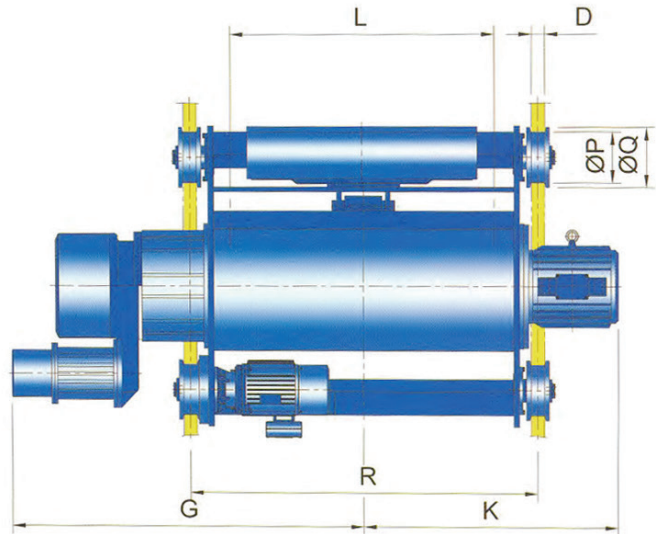
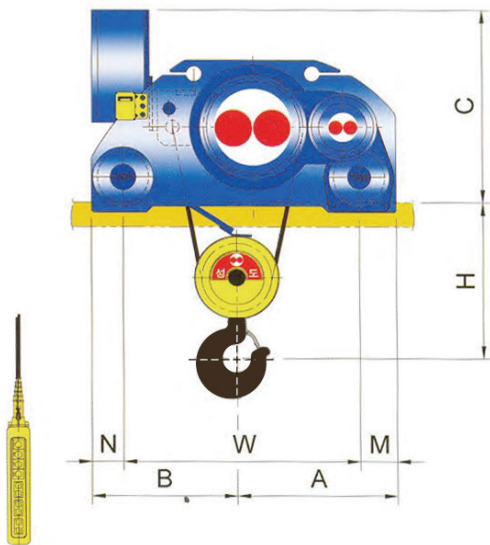


Code		SH7.5C-N		SH10C-N		SH15C-N		SH20C-N					
Capacity (Ton)		7.5		10		15		20					
Model	Traversing Speed	High Speed	CSM7.5-H12-MH		CSM10-H11.5-MH		CSM15-H12-MH		CSM20-H12-MH				
		Low Speed	CSM7.5-H12-ML		CSM10-H11.5-ML		CSM15-H12-ML		CSM20-H12-ML				
Hoist	Maximum Lift (m)		12		11.5		12		12				
	Hoisting Speed / Creep Speed (m/min)	50 (Hz)	3.1 / 0.31		3.7 / 0.37		3.5 / 0.35		3.5 / 0.35				
		60 (Hz)	3.8 / 0.38		4.5 / 0.45		4.2 / 0.42		4.2 / 0.42				
	Hoisting Motor High / Creep Speed (kw x P)		5.5 / 1 x 6		9 / 1.1 x 8		13 / 1.8 x 8		17 / 1.8 x 8				
	Wire Rope	Construction	6 x 37, 6 x 36(WS)		6 x 37		6 x 37		6 x 37				
		Dia.(mm) x No. of Ropes	14 x 4		16 x 4		20 x 4		22.4 x 4				
Brake		DC Magnet Disc Brake											
T / S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	12.5 / 15		12.5 / 15		12.5 / 15		12.5 / 15				
		Low Speed 50/60 (Hz)	8.3 / 10		8.3 / 10		8.3 / 10		8.3 / 10				
	Traversing Motor (kw x P)	High Speed	2 x 0.75 x 4		2 x 0.75 x 4		2 x 1.5 x 4		2 x 1.5 x 4				
		Low Speed	2 x 0.5 x 6		2 x 0.5 x 6		2 x 1.0 x 6		2 x 1.0 x 6				
Dimensions (mm) (approx.)	H	1460		1565		2115		2115					
	A	1170		1255		1415		1465					
	B	845		935		1095		1145					
	D	485		560		640		640					
	F	510		525		670		670					
	L	850		850		870		935					
	G	800		800		750		850					
	M	275		275		295		295					
I-Beam and Spacing (mm)	a x b x t	C	S	T	C	S	T	C	S	T	C	S	T
	300 X 150 X 10	475	35	68	475	35	68	-	-	-	-	-	-
	450 X 175 X 13	485	30	93	485	30	93	560	32	77	560	32	77
	600 X 190 X 13	495	32	118	495	32	118	570	37	92	570	37	92
Min. Radius of Curvature (m)		For Straight Only											
Weight (approx. - kg)		970		1290		2300		2520					

Note 1. The size of I-Beam in section is standard for each model. Other I-Beam can also be used (spacer).
 2. If there is a curved beam then there should be indication in advance.

Creep - Doublerrail Type Hoist

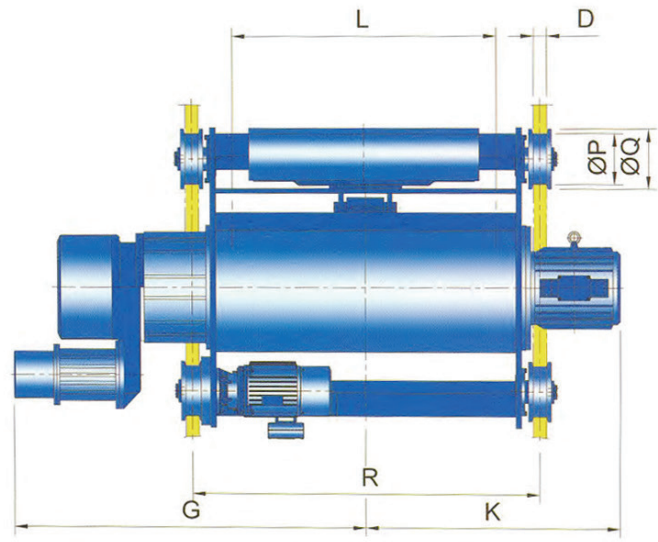
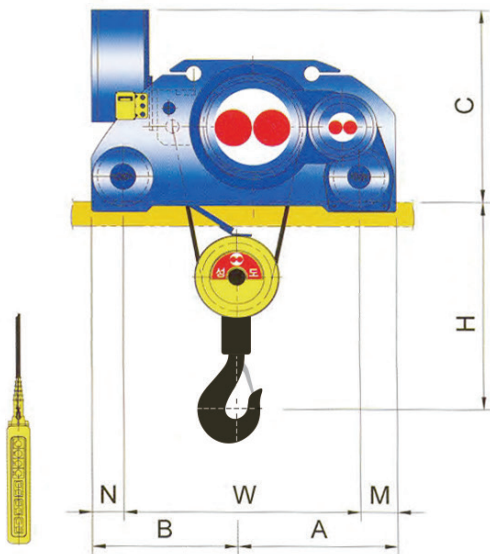
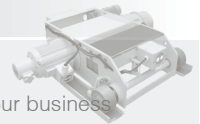
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Code		SH2C-D	SH2.8C-D	SH3C-D	SH5C-D	
Capacity (Ton)		2	2.8	3	5	
Model	Traversing Speed	High Speed	CSD2-H12-MH	CSD2.8-H12-MH	CSD3-H12-MH	CSD5-H12-MH
		Low Speed	CSD2-H12-ML	CSD2.8-H12-ML	CSD3-H12-ML	CSD5-H12-ML
Hoist	Maximum Lift (m)		12	12	12	12
	Hoisting Speed High/Creep Speed (m/min)	50 (Hz)	8.4 / 0.54	7.5 / 0.5	7.5 / 0.5	4.7 / 0.47
		60 (Hz)	10 / 0.65	9 / 0.6	9 / 0.6	5.6 / 0.56
	Hoisting Motor High / Creep Speed (kw x P)		3.7 / 0.3 x 4 / 6	5.0 / 1.0 x 4 / 6	5.5 / 1.0 x 4 / 6	5.5/1.0 x 6
	Wire Rope	Construction	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)
		Dia.(mm) x No. of Ropes	8 x 4	9 x 4	9 x 4	12.5 x 4
Brake		DC Magnet Disc Brake				
T / S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	20 / 24	20 / 24	20 / 24	20 / 24
		Low Speed 50/60 (Hz)	13 / 16	13 / 16	13 / 16	13 / 16
	Traversing Motor (kw x P)	High Speed	0.75 x 4	0.75 x 4	0.75 x 4	0.75 x 4
		Low Speed	0.5 x 6	0.5 x 6	0.5 x 6	0.5 x 6
Dimensions (mm) (approx.)	H	415	420	420	510	
	R	950	950	950	1150	
	A	465	465	465	507	
	B	390	390	390	474	
	C	545	570	570	630	
	G	905	1010	1010	1170	
	K	675	720	720	860	
	W	650	650	650	760	
	D	47	47	47	47	
	L	680	690	690	890	
	M	112	112	112	119	
	N	93	93	93	102	
	ØP	140	140	140	165	
ØQ	170	170	170	195		
Weight (approx. - kg)		490	590	590	900	
Traversing Rail (kg/m)		15	15	15	15	

Creep - Doublerrail Type Hoist

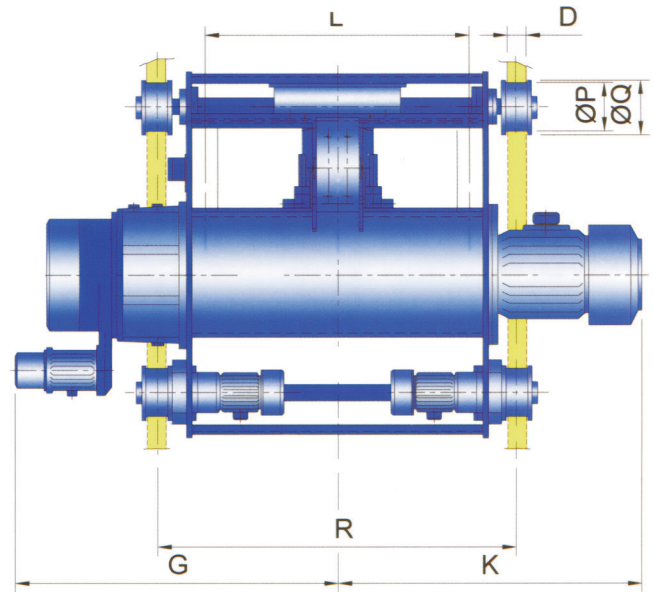
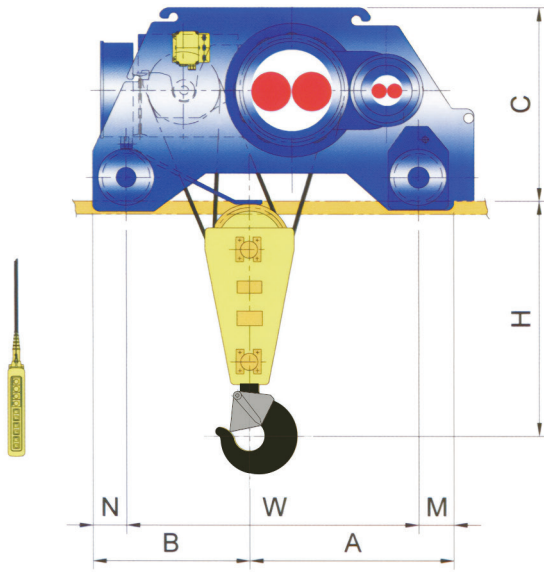
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Code		SH7.5C-D	SH10C-D	SH15C-D	SH20C-D	
Capacity (Ton)		7.5	10	15	20	
Model	Traversing Speed	High Speed	CSD7.5-H12-MH	CSD10-H11.5-MH	CSD15-H12-MH	CSD20-H12-MH
		Low Speed	CSD7.5-H12-ML	CSD10-H11.5-ML	CSD15-H12-ML	CSD20-H12-ML
Hoist	Maximum Lift (m)		12	11.5	12	12
	Hoisting Speed High/Creep Speed (m/min)	50 (Hz)	3.1 / 0.31	3.7 / 0.37	3.5 / 0.35	3.5 / 0.35
		60 (Hz)	3.8 / 0.38	4.5 / 0.45	4.2 / 0.42	4.2 / 0.42
	Hoisting Motor High / Creep Speed (kw x P)		5.5 / 1 x 6	9 / 1.1 x 8	13 / 1.8 x 8	17 / 1.8 x 8
	Wire Rope	Construction	6 x 37, 6 x 36(WS)	6 x 37	6 x 37	6 x 37
		Dia.(mm) x No. of Ropes	14 x 4	16 x 4	20 x 4	22.4 x 4
Brake		DC Magnet Disc Brake				
T / S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	12.5 / 15	12.5 / 15	12.5 / 15	12.5 / 15
		Low Speed 50/60 (Hz)	8.3 / 10	8.3 / 10	8.3 / 10	8.3 / 10
	Traversing Motor (kw x P)	High Speed	0.75 x 4	0.75 x 4	1.5 x 4	1.5 x 4
		Low Speed	0.5 x 6	0.5 x 6	0.5 x 6	0.5 x 6
Dimensions (mm) (approx.)	H	730	775	1175	1175	
	R	1150	1150	1200	1300	
	A	510	565	670	670	
	B	495	510	610	610	
	C	645	700	910	910	
	G	1170	1255	1415	1465	
	K	845	935	1095	1145	
	W	800	865	1000	1000	
	D	58	58	58	58	
	L	850	850	870	935	
	M	110	110	140	140	
	N	95	100	140	140	
	ØP	165	165	220	220	
ØQ	195	195	250	250		
Weight (approx. - kg)		955	1265	1920	2385	
Traversing Rail (kg/m)		15	15	22	22	

Creep - Doublerrail Type Hoist

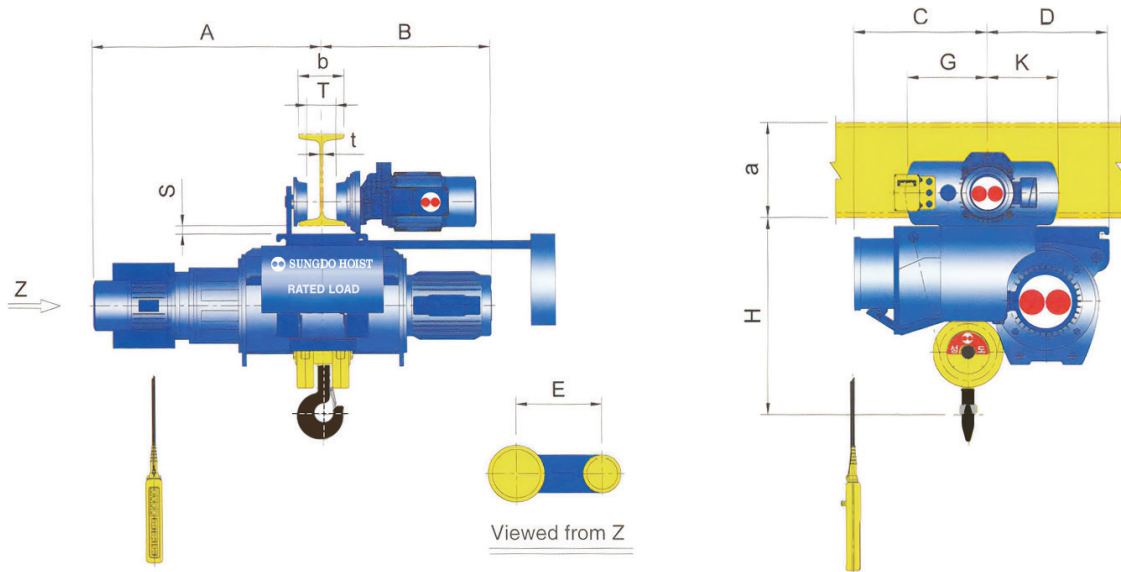
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Code		SH30C-D	SH35C-D	SH50C-D	SH60C-D	SH70C-D	
Capacity (Ton)		30	35	50	60	70	
Model	Traversing Speed	High Speed	CSD30-H12-MH	CSD35-H12-MH	CSD50-H12-MH	CSD60-H12-MH	CSD70-H12-MH
		Low Speed	CSD30-H12-ML	CSD35-H12-ML	CSD50-H12-ML	CSD60-H12-ML	CSD70-H12-ML
Hoist	Maximum Lift (m)		12	12	12	12	12
	Hoisting Speed High/Creep Speed (m/min)	50 (Hz)	2.3 / 0.23	4 / 0.4	2.7 / 0.27	2 / 0.2	2 / 0.2
		60 (Hz)	2.8 / 0.28	4.8 / 0.48	3.2 / 0.32	2.4 / 0.24	2.4 / 0.24
	Hoisting Motor High / Creep Speed (kw x P)		17 / 1.8 x 8	33 x 6 / 3.7 x 4	33 x 6 / 3.7 x 4	33 x 6 / 3.7 x 4	33 x 6 / 3.7 x 4
	Wire Rope	Construction	6 x 37	6 x Fi (25), (29) IWRC	6 x Fi (25), (29) IWRC	6 x Fi (25), (29) IWRC	6 x Fi (25), (29) IWRC
		Dia.(mm) x No. of Ropes	22.4 x 6	28 x 4	28 x 6	28 x 8	28 x 8
Brake		DC Magnet Disc Brake					
T / S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	12.5 / 15	12.5 / 15	12.5 / 15	12.5 / 15	12.5 / 15
		Low Speed 50/60 (Hz)	8.3 / 10	8.3 / 10	8.3 / 10	8.3 / 10	8.3 / 10
	Traversing Motor (kw x P)	High Speed	2 x 1.5 x 4	2.2 x 4	2 x 2.2 x 4	2 x 2.2 x 4	2 x 3.7 x 4
		Low Speed	2 x 1.0 x 6	1.5 x 6	2 x 1.5 x 6	2 x 1.5 x 6	2 x 2.2 x 6
Dimensions (mm) (approx.)	H	1480	1300	1450	1750	1750	
	R	1800	1600	2300	2800	2800	
	A	930	1025	1432	1525	1525	
	B	950	955	1243	1150	1150	
	C	980	1015	1220	1220	1220	
	G	1725	1715	2040	2290	2290	
	K	1405	1595	1920	2170	2170	
	W	1540	1550	2125	2075	2075	
	D	70	70	80	80	80	
	L	1420	1015	1650	2000	2000	
	M	180	215	275	300	300	
	N	160	215	275	300	300	
ØP	250	355	450	500	500		
ØQ	280	395	490	540	540		
Weight (approx. - kg)		3536	5700	8950	10300	10300	
Traversing Rail (kg/m)		30	37	37, 50	37, 50	37, 50	

Creep - Lowhead Type Hoist

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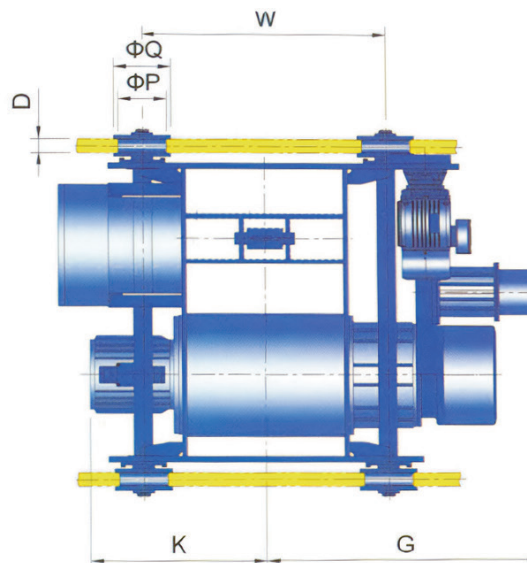
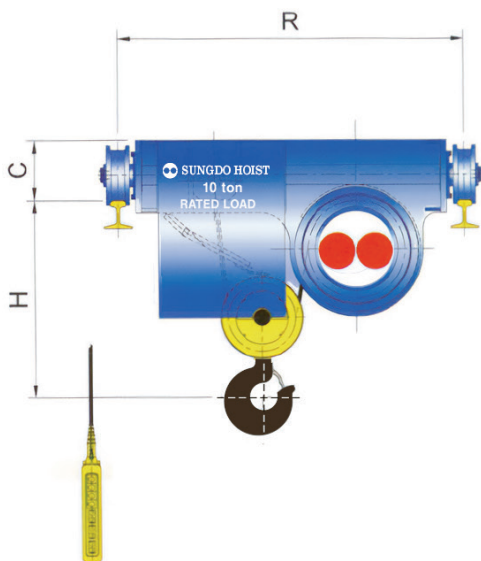
Code		SH1C-L		SH2C-L		SH2.8C-L		SH3C-L		SH5C-L		
Capacity (Ton)		1		2		2.8		3		5		
Model	Traversing Speed	High Speed	CSL1-H6-MH	CSL2-H6-MH	CSL2.8-H6-MH	CSL3-H6-MH	CSL5-H6-MH	CSL1-H6-ML	CSL2-H6-ML	CSL2.8-H6-ML	CSL3-H6-ML	CSL5-H6-ML
		Low Speed	CSL1-H6-ML	CSL2-H6-ML	CSL2.8-H6-ML	CSL3-H6-ML	CSL5-H6-ML					
Hoist	Maximum Lift (m)		6		6		6		6		6	
	Hoisting Speed High/Creep Speed (m/min)	50 (Hz)	10 / 0.7		8.4 / 0.54		7.5 / 0.5		7.5 / 0.5		4.7 / 0.47	
		60 (Hz)	12 / 0.8		10 / 0.65		9 / 0.6		9 / 0.6		5.6 / 0.56	
	Hoisting Motor High / Creep Speed (kw x P)		2.4/0.3 x 4/6		3.7/0.3 x 4/6		5.0/1.0 x 4/6		5.5/1.0 x 4/6		5.5/1.0 x 6	
	Wire Rope	Construction	6 x 19		6 x 37, 6 x 36(WS)		6 x 37, 6 x 36(WS)		6 x 37, 6 x 36(WS)		6 x 37, 6 x 36(WS)	
		Dia.(mm) x No. of Ropes	6 x 4		8 x 4		9 x 4		9 x 4		11.2 x 4	
Brake		DC Magnet Disc Brake										
T / S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	17 / 20		20 / 24		20 / 24		20 / 24		20 / 24	
		Low Speed 50/60 (Hz)	12 / 14		13 / 16		13 / 16		13 / 16		13 / 16	
	Traversing Motor (kw x P)	High Speed	0.75 x 4		0.75 x 4		0.75 x 4		0.75 x 4		0.75 x 4	
		Low Speed	0.5 x 6		0.5 x 6		0.5 x 6		0.5 x 6		0.5 x 6	
Dimensions (mm) (approx.)	H	550		620		620		620		750		
	A	700		755		845		845		945		
	B	480		525		555		555		630		
	C	405		455		510		510		584		
	D	290		385		395		395		466		
	G	200		225		225		225		276		
	K	200		225		225		225		276		
	E	225		257		265		265		288		
I-Beam and Spacing (mm)	a x b x t	S	T	S	T	S	T	S	T	S	T	
	200 X 100 X 7	38	46	34	47	-	-	-	-	-	-	
	250 X 125 X 7.5	37	71	34	72	34	72	34	72	45	61	
	300 X 150 X 10	37	96	34	97	34	97	34	97	45	86	
	450 x 175 x 13	-	-	-	-	-	-	-	-	32	111	
Min. Radius of Curvature (m)		1.5		1.8		1.8		1.8		2.3		
Weight (approx. - kg)		275		440		545		545		775		

Note 1. The size of I-Beam in section is standard for each model. Other I-Beam can also be used (spacer).
 2. If there is a curved beam then there should be indication in advance.



Creep - Double Lowhead Type Hoist

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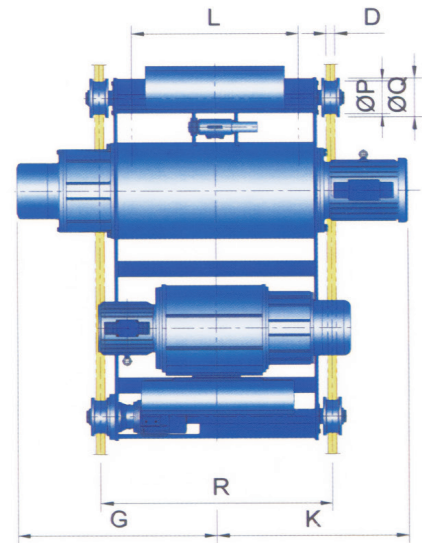
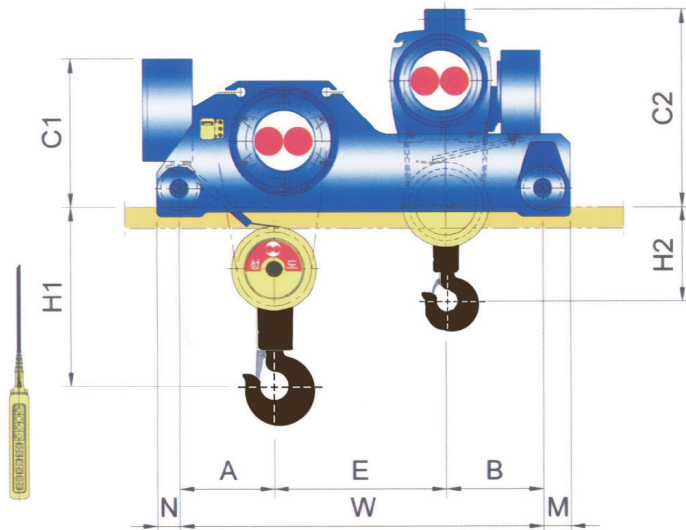


Code		SH2C-DS	SH2.8C-DS	SH3C-DS	SH5C-DS	SH7.5C-DS	SH10C-DS	
Capacity (Ton)		2	2.8	3	5	7.5	10	
Model	Traversing Speed	High Speed	CSDL2-H6(12)-MH	CSDL2.8-H6(12)-MH	CSDL3-H6(12)-MH	CSDL5-H6(12)-MH	CSDL7.5-H6(12)-MH	CSDL10-H12-MH
		Low Speed	CSDL2-H6(12)-ML	CSDL2.8-H6(12)-ML	CSDL3-H6(12)-ML	CSDL5-H6(12)-ML	CSDL7.5-H6(12)-ML	CSDL10-H12-ML
Hoist	Maximum Lift (m)		6 (12)	6 (12)	6 (12)	6 (12)	6 (12)	11.5
	Hoisting Speed High/ Creep Speed (m/min)	50 (Hz)	8.4 / 0.54	7.5 / 0.5	7.5 / 0.5	4.7 / 0.47	3.1 / 0.31	3.7 / 0.37
		60 (Hz)	10 / 0.65	9 / 0.6	9 / 0.6	5.6 / 0.56	3.8 / 0.38	4.5 / 0.45
	Hoisting Motor High / Creep Speed (kw x P)		3.7/0.3 x 4/6	5.0/1.0 x 4/6	5.5/1.0 x 4/6	5.5/1.0 x 6	5.5/1.0 x 6	9/1.1 x 8
	Wire Rope	Construction	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)	6 x 37, 6 x 36(WS)	6 x 37
Dia.(mm) x No. of Ropes		8 x 4	9 x 4	9 x 4	11.2(12.5) x 4	14 x 4	16 x 4	
Brake		DC Magnet Disc Brake						
T / S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	20 / 24	20 / 24	20 / 24	20 / 24	12.5 / 15	12.5 / 15
		Low Speed 50/60 (Hz)	13 / 16	13 / 16	13 / 16	13 / 16	8.3 / 10	8.3 / 10
	Traversing Motor (kw x P)	High Speed	0.75 x 4	0.75 x 4	0.75 x 4	0.75 x 4	0.75 x 4	0.75 x 4
		Low Speed	0.5 x 6	0.5 x 6	0.5 x 6	0.5 x 6	0.5 x 6	0.5 x 6
Dimensions (mm) (approx.)	H	585	585	585	600	950	1300	
	R	950	950	950	1150	1150	1400	
	C	200	200	200	200	200	250	
	G	755 (905)	845 (1010)	845 (1010)	945 (1170)	970 (1170)	1255	
	K	525 (675)	555 (720)	555 (720)	630 (860)	645 (845)	935	
	W	730 (1060)	730 (1060)	730 (1060)	840 (1300)	840 (1300)	1245	
	D	47	47	47	47	58	58	
	ØP	140	140	140	165	165	165	
ØQ	170	170	170	195	195	195		
Weight (approx. -kg)		465 (510)	605 (655)	605 (655)	840 (900)	850 (970)	1315	
Traversing Rail (kg/m)		15	15	15	15	15	15	

Note 1. Figures in () are for hoists of 12m lift
 2. Lift height over 6m is available

Main & Aux Doublerrail Type Hoist

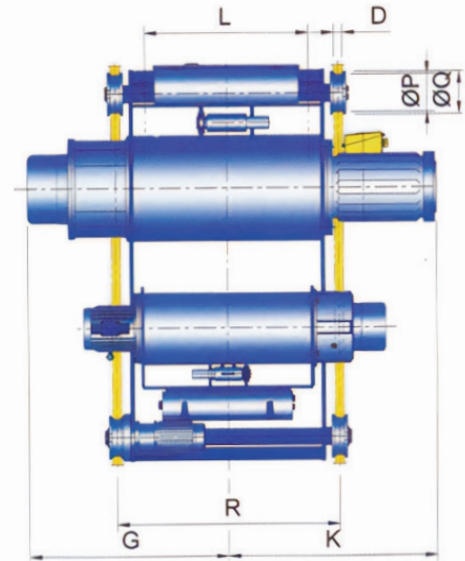
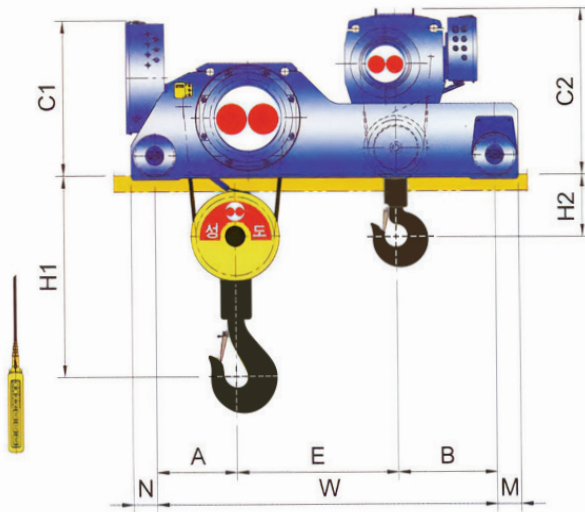
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Code		SH5/3T-D		SH7.5/3T-D		SH10/3T-D		SH10/5T-D		SH15/5T-D		
Capacity (Ton)		5	3	7.5	3	10	3	10	5	15	5	
Model	Hoisting / Traversing Speed	High / High	SD5/3-H12-MH		SD7.5/3-H12-MH		SD10/3-H12-MH		SD10/5-H12-MH		SD15/5-H12-MH	
		High / Low	SD5/3-H12-ML		SD7.5/3-H12-ML		SD10/3-H12-ML		SD10/5-H12-ML		SD15/5-H12-ML	
		Low / High	SD5/3-L12-MH		SD7.5/3-L12-MH		-		-		SD15/5-L12-MH	
		Low / Low	SD5/3-L12-ML		SD7.5/3-L12-ML		-		-		SD15/5-L12-ML	
Hoist	Maximum Lift (m)		12		12		11.5	12	11.5	12	12	4.7 / 5.6
	Hoisting Speed (m/min)	High Speed 50/60 (Hz)	4.7 / 5.6	7.5 / 9	3.1 / 3.8	7.5 / 9	3.7 / 4.5	7.5 / 9	3.7 / 4.5	4.7 / 5.6	3.5 / 4.2	4.7 / 5.6
		Low Speed 50/60 (Hz)	3.5 / 4.2	3.7 / 4.5	2.3 / 2.8	3.7 / 4.5	-	3.7 / 4.5	-	3.5 / 4.2	2.3 / 2.8	3.5 / 4.2
	Hoisting Motor (kw x P)	High Speed	5.5 x 6	5.5 x 4	5.5 x 6	5.5 x 4	9 x 8	5.5 x 4	9 x 8	5.5 x 6	13 x 8	5.5 x 6
		Low Speed	4.2 x 8	2.8 x 8	4.2 x 8	2.8 x 8	-	2.8 x 8	-	4.2 x 8	8.5 x 12	4.2 x 8
	Wire Rope	Construction	6 x 37, 6 x 36(WS)		6 x 37, 6 x 36(WS)		6 x 37	6 x 37, 6 x 36(WS)	6 x 37		6 x 37	
Dia.(mm) x No. of Ropes		12.5 x 4	12.5 x 2	14 x 4	12.5 x 2	16 x 4	12.5 x 2	16 x 4	16 x 2	20 x 4	16 x 2	
Brake		DC Magnet Disc Brake										
T / S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	20 / 24		12.5 / 15		12.5 / 15		12.5 / 15		12.5 / 15	
		Low Speed 50/60 (Hz)	13 / 16		8.3 / 10		8.3 / 10		8.3 / 10		8.3 / 10	
	Traversing Motor (kw x P)	High Speed	0.75 x 4		0.75 x 4		0.75 x 4		0.75 x 4		1.5 x 4	
		Low Speed	0.5 x 6		0.5 x 6		0.5 x 6		0.5 x 6		1.0 x 6	
Dimensions (mm) (approx.)	H1	510		730		775		775		1175		
	H2	250		350		300		400		350		
	R	1150		1150		1150		1150		1200		
	A	370		400		410		410		470		
	B	415		445		450		425		390		
	E	665		605		740		765		790		
	W	1450		1450		1600		1600		1650		
	M	119		110		110		110		140		
	N	102		95		100		100		140		
	C1	630		650		680		680		910		
	C2	850		800		810		880		970		
	G	950		940		985		985		1120		
	K	860		845		935		935		1095		
	L	890		850		850		850		870		
D	58		58		58		58		58			
ØP	165		165		165		165		220			
ØQ	195		195		195		195		250			
Weight (approx. - kg)		1270		1450		1700		1770		2750		
Traversing Rail (kg/m)		15		15		15		15		22		

Main & Aux Doublerrail Type Hoist

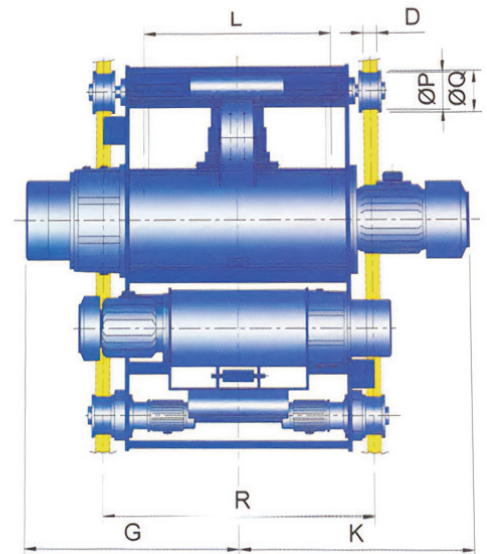
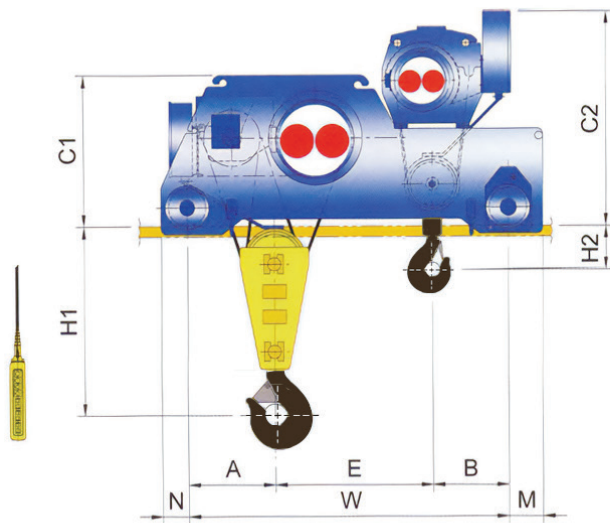
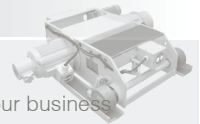
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Code			SH20/5T-D		SH20/10T-D		SH30/5T-D		SH30/10T-D		SH30/15T-D	
Capacity (Ton)			20	5	20	10	30	5	30	10	30	15
Model	Hoisting / Traversing Speed	High / High	SD20/5-H12-MH	SD20/10-H12-MH	SD30/5-H12-MH	SD30/10-H12-MH	SD30/15-H12-MH					
		High / Low	SD20/5-H12-ML	SD20/10-H12-ML	SD30/5-H12-ML	SD30/10-H12-ML	SD30/15-H12-ML					
		Low / High	SD20/5-L12-MH	SD20/10-L12-MH	SD30/5-L12-MH	SD30/10-L12-MH	SD30/15-L12-MH					
		Low / Low	SD20/5-L12-ML	SD20/10-L12-ML	SD30/5-L12-ML	SD30/10-L12-ML	SD30/15-L12-ML					
Hoist	Maximum Lift (m)		12		12	11.5	12		12	11.5	12	
	Hoisting Speed (m/min)	High Speed 50/60 (Hz)	3.5/4.2	4.7/5.6	3.5/4.2	3.7 / 4.5	2.3/2.8	4.7/5.6	2.3/2.8	3.7/4.5	2.3/2.8	3.5/4.2
		Low Speed 50/60 (Hz)	2.3/2.8	3.5/4.2	2.3/2.8	-	1.5/1.8	3.5/4.2	1.5/1.8	-	1.5/1.8	2.3/2.8
	Hoisting Motor (kw x P)	High Speed	17 x 8	5.5 x 6	17 x 8	9 x 8	17 x 8	5.5 x 6	17 x 8	9 x 8	17 x 8	13 x 8
		Low Speed	11.5 x 12	4.2 x 8	11.5 x 12	-	11.5 x 12	4.2 x 8	11.5 x 12	-	11.5 x 12	8.5 x 12
	Wire Rope	Construction	6 x 37	6 x 37	6 x 37	6 x 37	6 x 37	6 x 37	6 x 37	6 x 37	6 x 37	6 x 37
Dia.(mm) x No. of Ropes		22.4 x 4	16 x 2	22.4 x 4	16 x 4	22.4 x 6	16 x 2	22.4 x 6	16 x 4	22.4 x 6	20 x 4	
Brake			DC Magnet Disc Brake									
T / S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	12.5 / 15		12.5 / 15		12.5 / 15		12.5 / 15		12.5 / 15	
		Low Speed 50/60 (Hz)	8.3 / 10		8.3 / 10		8.3 / 10		8.3 / 10		8.3 / 10	
	Traversing Motor (kw x P)	High Speed	1.5 x 4		1.5 x 4		2 x 1.5 x 4		2 x 1.5 x 4		2 x 1.5 x 4	
		Low Speed	1.0 x 6		1.0 x 6		2 x 1.0 x 6		2 x 1.0 x 6		2 x 1.0 x 6	
Dimensions (mm) (approx.)	H1		1175		1175		1480		1480		1480	
	H2		350		350		285		450		650	
	R		1300		1300		1800		1800		1800	
	A		470		470		790		790		790	
	B		440		580		455		560		590	
	E		740		950		935		900		1070	
	W		1650		2000		2180		2250		2450	
	M		140		140		180		180		180	
	N		140		140		160		160		160	
	C1		910		910		980		980		980	
	C2		970		1050		1010		1100		1400	
	G		1170		1170		1430		1430		1430	
	K		1145		1145		1405		1405		1405	
	L		935		935		1420		1420		1420	
D		58		58		70		70		70		
ØP		220		220		250		250		250		
ØQ		250		250		280		280		280		
Weight (approx. - kg)			3200		3475		4200		5400		6185	
Traversing Rail (kg/m)			22		22		30		30		30	

Main & Aux Doublerrail Type Hoist

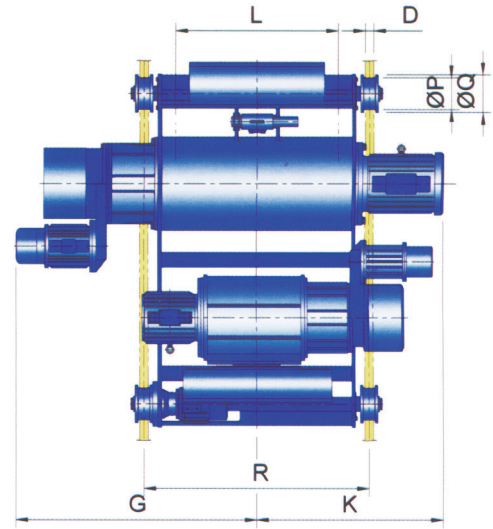
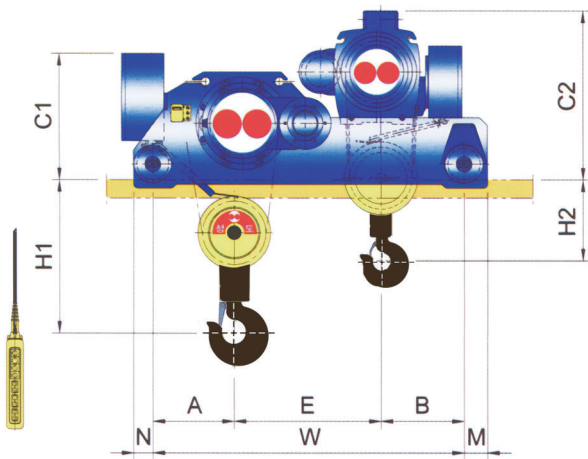
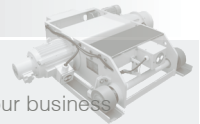
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Code			SH35/10T-D		SH50/15T-D		SH60/20T-D		SH70/20T-D	
Capacity (Ton)			35	10	50	15	60	20	70	20
Model	Hoisting / Traversing Speed	High / High	SD35/10-H12-MH		SD50/15-H12-MH		SD60/20-H12-MH		SD70/20-H12-MH	
		High / Low	SD35/10-H12-ML		SD50/15-H12-ML		SD60/20-H12-ML		SD70/20-H12-ML	
		Low / High	-		SD50/15-L12-MH		SD60/20-L12-MH		SD70/20-L12-MH	
		Low / Low	-		SD50/15-L12-ML		SD60/20-L12-ML		SD70/20-L12-ML	
Hoist	Maximum Lift (m)		12	11.5	12		12		12	
	Hoisting Speed (m/min)	High Speed 50/60 (Hz)	4 / 4.8	3.7 / 4.5	2.7 / 3.2	3.5 / 4.2	2 / 2.4	3.5 / 4.2	2 / 2.4	3.5 / 4.2
		Low Speed 50/60 (Hz)		-		2.3 / 2.8		2.3 / 2.8		2.3 / 2.8
	Hoisting Motor (kw x P)	High Speed	33 x 6	9 x 8	33 x 6	13 x 8	33 x 6	17 x 8	33 x 6	17 x 8
		Low Speed		-		8.5 x 12		11.5 x 12		11.5 x 12
	Wire Rope	Construction	6xFi(25),(29) IWRC	6 x 37	6xFi(25),(29) IWRC	6 x 37	6xFi(25),(29) IWRC	6 x 37	6xFi(25),(29) IWRC	6 x 37
Dia.(mm) x No. of Ropes		28 x 4	16 x 4	28 x 6	20 x 4	28 x 8	22.4 x 4	28 x 8	22.4 x 4	
Brake			DC Magnet Disc Brake							
T / S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	12.5 / 15		12.5 / 15		12.5 / 15		12.5 / 15	
		Low Speed 50/60 (Hz)	8.3 / 10		8.3 / 10		8.3 / 10		8.3 / 10	
	Traversing Motor (kw x P)	High Speed	2.2 x 4		2 x 2.2 x 4		2 x 2.2 x 4		2 x 3.7 x 4	
		Low Speed	1.5 x 6		2 x 1.5 x 6		2 x 1.5 x 6		2 x 2.2 x 6	
Dimensions (mm) (approx.)	H1	1300		1450		1750		1750		
	H2	450		350		350		350		
	R	1600		2300		2800		2800		
	A	740		985		985		985		
	B	530		635		635		635		
	E	1130		1430		1430		1430		
	W	2400		3050		3050		3050		
	M	215		275		300		300		
	N	215		275		300		300		
	C1	1015		1225		1250		1250		
	C2	1300		1680		1680		1680		
	G	1465		1790		2030		2030		
	K	1595		1920		2170		2170		
	L	1015		1650		2000		2000		
	D	70		80		80		80		
ØP	355		450		500		500			
ØQ	395		490		540		540			
Weight (approx. - kg)			7120		10750		13500		13500	
Traversing Rail (kg/m)			37		37, 50		37, 50		37, 50	

Main & Aux Creep - Doublerrail Type Hoist

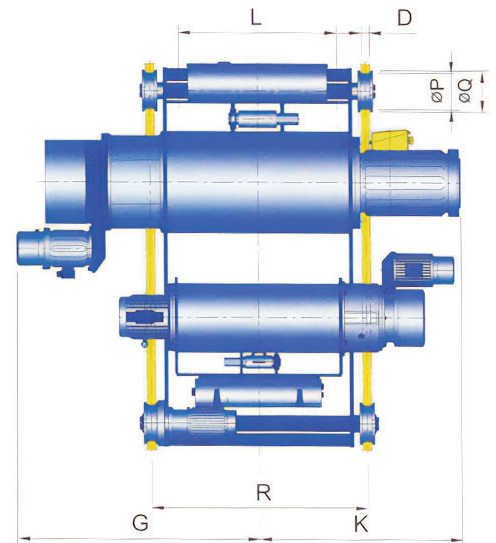
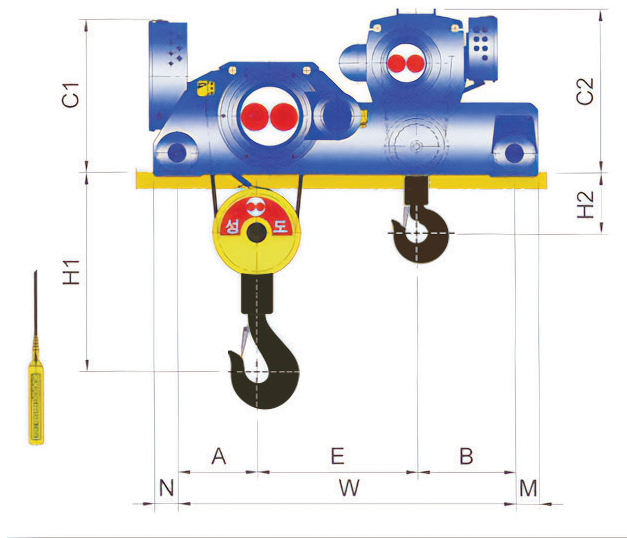
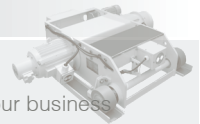
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Code			SH5/3C-D		SH7.5/3C-D		SH10/3C-D		SH10/5C-D		SH15/5C-D	
Capacity (Ton)			5	3	7.5	3	10	3	10	5	15	5
Model	Traversing Speed	High Speed	CSD5 / 3-H12-MH		CSD7.5 / 3-H12-MH		CSD10 / 3-H12-MH		CSD10 / 5-H12-MH		CSD15 / 5-H12-MH	
		Low Speed	CSD5 / 3-H12-ML		CSD7.5 / 3-H12-ML		CSD10 / 3-H12-ML		CSD10 / 5-H12-ML		CSD15 / 5-H12-ML	
Hoist	Maximum Lift (m)		12		12		11.5	12	11.5	12	12	
	Hoisting High / Creep Speed (m / min)	50 (Hz)	4.7 / 0.47	7.5 / 0.5	3.1 / 0.31	7.5 / 0.5	3.7 / 0.37	7.5 / 0.5	3.7 / 0.37	4.7 / 0.47	3.5 / 0.35	4.7 / 0.47
		60 (Hz)	5.6 / 0.56	9 / 0.6	3.8 / 0.38	9 / 0.6	4.5 / 0.45	9 / 0.6	4.5 / 0.45	5.6 / 0.56	4.2 / 0.42	5.6 / 0.56
	Hoisting Motor High / Creep Speed (kw x P)		5.5 x 6 / 1.0 x 6	5.5 x 4 / 1.0 x 6	5.5 x 6 / 1.0 x 6	5.5 x 4 / 1.0 x 6	9.0 x 8 / 1.1 x 8	5.5 x 4 / 1.0 x 6	9.0 x 8 / 1.1 x 8	5.5 x 6 / 1.0 x 6	13 x 8 / 1.8 x 8	5.5 x 6 / 1.0 x 6
	Wire Rope	Construction	6 x 37, 6 x 36(W5)		6 x 37, 6x36(W5)	6 x 37, 6x36(W5)	6 x 37	6 x 37, 6x36(W5)	6 x 37	6 x 37	6 x 37	6 x 37
Dia.(mm) x No. of Ropes		12.5 x 4	12.5 x 2	14 x 4	12.5 x 2	16 x 4	12.5 x 2	16 x 4	16 x 2	20 x 4	16 x 2	
Brake			DC Magnet Disc Brake									
T / S	Traversing Speed (m / min)	High Speed 50 / 60 (Hz)	20 / 24		12.5 / 15		12.5 / 15		12.5 / 15		12.5 / 15	
		Low Speed 50 / 60 (Hz)	13 / 16		8.3 / 10		8.3 / 10		8.3 / 10		8.3 / 10	
	Traversing Motor (kw x P)	High Speed	0.75 x 4		0.75 x 4		0.75 x 4		0.75 x 4		1.5 x 4	
		Low Speed	0.5 x 6		0.5 x 6		0.5 x 6		0.5 x 6		1.0 x 6	
Dimensions (mm) (approx.)	H1	510		730		775		775		1175		
	H2	250		350		300		400		350		
	R	1150		1150		1150		1150		1200		
	A	370		400		410		410		470		
	B	415		455		450		425		440		
	E	665		735		740		765		890		
	W	1450		1590		1600		1600		1800		
	M	119		110		110		110		140		
	N	102		95		100		100		140		
	C1	630		650		680		680		910		
	C2	850		800		870		910		970		
	G	1170		1170		1255		1255		1415		
	K	860		845		935		935		1095		
	L	890		850		850		850		870		
D	58		58		58		58		58			
ØP	165		165		165		165		220			
ØQ	195		195		195		195		250			
Weight (approx. - kg)			1350		1550		1850		1900		2870	
Traversing Rail (kg / m)			15		15		15		15		22	

Main & Aux Creep - Doublerrail Type Hoist

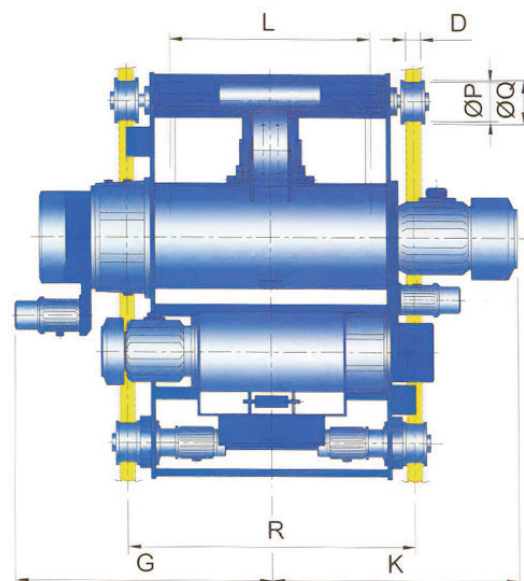
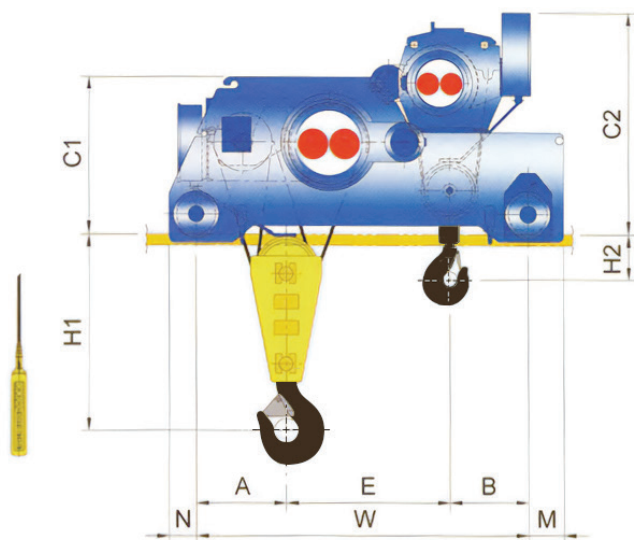
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Code		SH20/5C-D		SH20/10C-D		SH30/5C-D		SH30/10C-D		SH30/15C-D		
Capacity (Ton)		20	5	20	10	30	5	30	10	30	15	
Model	Traversing Speed	CSD20/5-H12-MH		CSD20/10-H12-MH		CSD30/5-H12-MH		CSD30/10-H12-MH		CSD30/15-H12-MH		
	High Speed	CSD20/5-H12-ML		CSD20/10-H12-ML		CSD30/5-H12-ML		CSD30/10-H12-ML		CSD30/15-H12-ML		
Hoist	Low Speed	CSD20/5-H12-ML		CSD20/10-H12-ML		CSD30/5-H12-ML		CSD30/10-H12-ML		CSD30/15-H12-ML		
	Maximum Lift (m)	12		12	11.5	12		12	11.5	12		
	Hoisting Speed High / Creep 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	4.7 / 0.47	2.3 / 0.23	3.7 / 0.37	2.3 / 0.23	3.5 / 0.35
		60 (Hz)	4.2 / 0.42	5.6 / 0.56	4.2 / 0.42	4.5 / 0.45	2.8 / 0.28	5.6 / 0.56	2.8 / 0.28	4.5 / 0.45	2.8 / 0.28	4.2 / 0.42
	Hoisting Motor High / Creep Speed (kw x P)	Construction	17 x 8 / 1.8 x 8	5.5 x 6 / 1.0 x 6	17 x 8 / 1.8 x 8	9.0 x 8 / 1.1 x 8	17 x 8 / 1.8 x 8	5.5 x 6 / 1.0 x 6	17 x 8 / 1.8 x 8	9.0 x 8 / 1.1 x 8	17 x 8 / 1.8 x 8	13 x 8 / 1.8 x 8
		Wire Rope Dia.(mm) x No. of Ropes	6 x 37	6 x 37	6 x 37	6 x 37	6 x 37	6 x 37	6 x 37	6 x 37	6 x 37	6 x 37
Brake		DC Magnet Disc Brake										
T/S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	12.5 / 15		12.5 / 15		12.5 / 15		12.5 / 15		12.5 / 15	
		Low Speed 50/60 (Hz)	8.3 / 10		8.3 / 10		8.3 / 10		8.3 / 10		8.3 / 10	
	Traversing Motor (kw x P)	High Speed	1.5 x 4		1.5 x 4		2 x 1.5 x 4		2 x 1.5 x 4		2 x 1.5 x 4	
		Low Speed	1.0 x 6		1.0 x 6		2 x 1.0 x 6		2 x 1.0 x 6		2 x 1.0 x 6	
Dimensions (mm) (approx.)	H1	1175		1175		1480		1480		1480		
	H2	350		350		285		450		650		
	R	1300		1300		1800		1800		1800		
	A	470		470		790		790		790		
	B	440		580		460		560		570		
	E	890		950		1000		900		1090		
	W	1800		2000		2250		2250		2450		
	M	140		140		180		180		180		
	N	140		140		160		160		160		
	C1	910		910		980		980		980		
	C2	970		1050		1050		1100		1400		
	G	1465		1465		1725		1725		1725		
	K	1145		1145		1405		1405		1405		
	L	935		935		1420		1420		1420		
D	58		58		70		70		70			
ØP	220		220		250		250		250			
ØQ	250		250		280		280		280			
Weight (approx. - kg)		3500		3600		4600		5565		6345		
Traversing Rail (kg/m)		22		22		30		30		30		

Main & Aux Creep - Doublerrail Type Hoist

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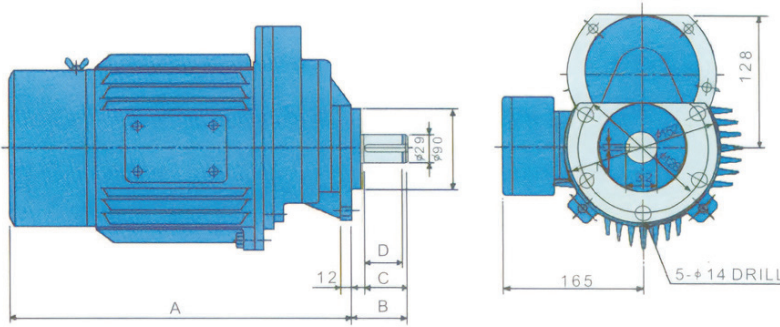
Code			SH35/10C-D		SH50/15C-D		SH60/20C-D		SH70/20C-D	
Capacity (Ton)			35	10	50	15	60	20	70	20
Model	Traversing Speed	High Speed	CSD35/10-H12-MH		CSD50/15-H12-MH		CSD60/20-H12-MH		CSD70/20-H12-MH	
		Low Speed	CSD35/10-H12-ML		CSD50/15-H12-ML		CSD60/20-H12-ML		CSD70/20-H12-ML	
Hoist	Maximum Lift (m)		12	11.5	12		12		12	
	Hoisting Speed High / Creep Speed (m/min)	50 (Hz)	4 / 0.4	3.7 / 0.37	2.7 / 0.27	3.5 / 0.35	2 / 0.2	3.5 / 0.35	2 / 0.2	3.5 / 0.35
		60 (Hz)	4.8 / 0.48	4.5 / 0.45	3.2 / 0.32	4.2 / 0.42	2.4 / 0.24	4.2 / 0.42	2.4 / 0.24	4.2 / 0.42
	Hoisting Motor High / Creep Speed (kw x P)		33 x 6 / 3.7 x 4	9.0 x 8 / 1.1 x 8	33 x 6 / 3.7 x 4	13 x 8 / 1.8 x 8	33 x 6 / 3.7 x 4	17 x 8 / 1.8 x 8	33 x 6 / 3.7 x 4	17 x 8 / 1.8 x 8
	Wire Rope	Construction	6xFi(25),(29) IWRC	6 x 37	6xFi(25),(29) IWRC	6 x 37	6xFi(25),(29) IWRC	6 x 37	6xFi(25),(29) IWRC	6 x 37
		Di.(mm) x No. of Ropes	28 x 4	16 x 4	28 x 6	20 x 4	28 x 8	22.4 x 4	28 x 8	22.4 x 4
Brake			DC Magnet Disc Brake							
T / S	Traversing Speed (m/min)	High Speed 50/60 (Hz)	12.5 / 15		12.5 / 15		12.5 / 15		12.5 / 15	
		Low Speed 50/60 (Hz)	8.3 / 10		8.3 / 10		8.3 / 10		8.3 / 10	
	Traversing Motor (kw x P)	High Speed	2.2 x 4		2 x 2.2 x 4		2 x 2.2 x 4		2 x 3.7 x 4	
		Low Speed	1.5 x 6		2 x 1.5 x 6		2 x 1.5 x 6		2 x 2.2 x 6	
Dimensions (mm) (approx.)	H1	1300		1450		1750		1750		
	H2	450		350		350		350		
	R	1600		2300		2800		2800		
	A	740		985		985		985		
	B	530		635		635		635		
	E	1130		1430		1430		1430		
	W	2400		3050		3050		3050		
	M	215		275		300		300		
	N	215		275		300		300		
	C1	1015		1225		1250		1250		
	C2	1300		1680		1680		1680		
	G	1715		2040		2290		2290		
	K	1595		1920		2170		2170		
	L	1015		1650		2000		2000		
D	70		80		80		80			
ØP	355		450		500		500			
ØQ	395		490		540		540			
Weight (approx. - kg)			7600		11040		13790		13790	
Traversing Rail (kg/m)			37		37, 50		37, 50		37, 50	



Crane Components

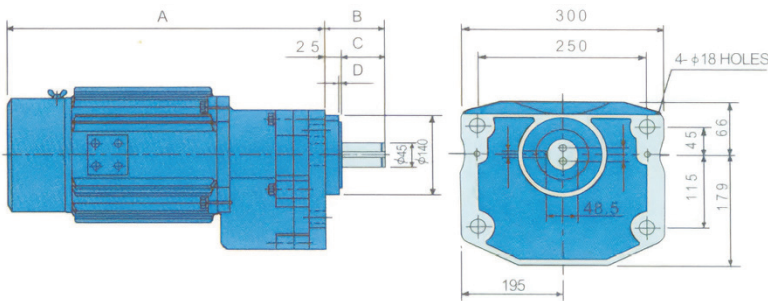
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Geared Motor



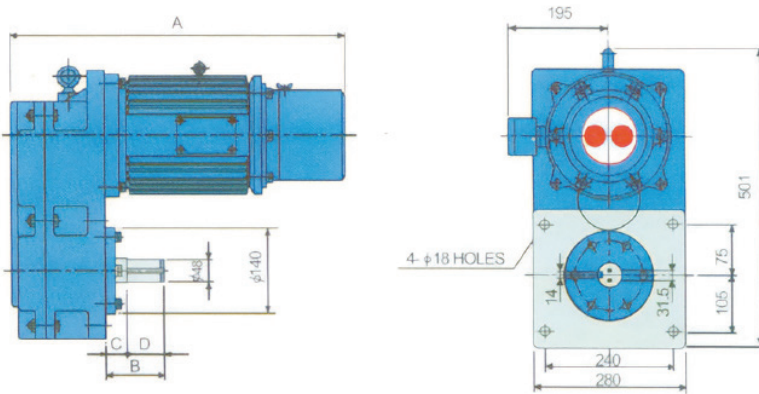
OB Type

DIMENSIONS	CAP	0.5kw x 6P 0.75kw x 4p	1.0kw x 6p 1.5kw x 4p
A		335	335
B		89	89
C		66	66
D		60	60
REDUCE RATIO		1/8.4	1/12.12



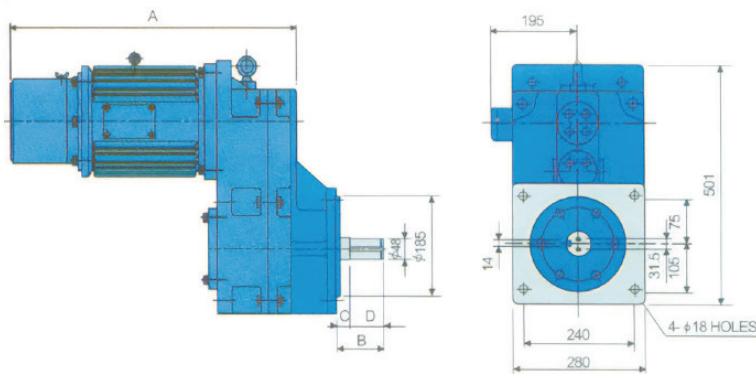
ET Type

DIMENSIONS	CAP	1.5kw x 6P	2.2kw x 4p
A		580	580
B		84	84
C		59	59
D		5	5
REDUCE RATIO		1/19.2	



NC Type

DIMENSIONS	CAP	2.2kw x 6p	3.7kw x 4p
A		575	575
B		95	95
C		35	35
D		60	60
REDUCE RATIO		1/22	



NZ Type

DIMENSIONS	CAP	2.2kw x 6p	3.7kw x 4p
A		640	640
B		105	105
C		41	41
D		64	64
REDUCE RATIO		1/22	

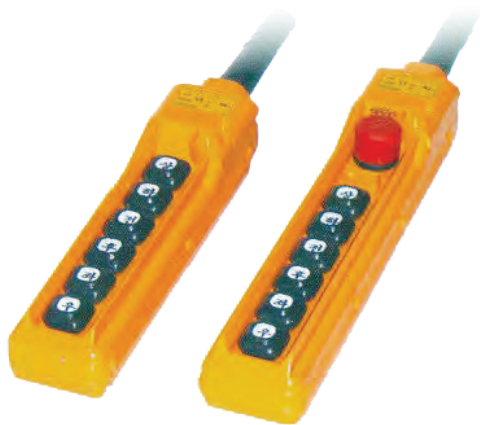


Load Limiter

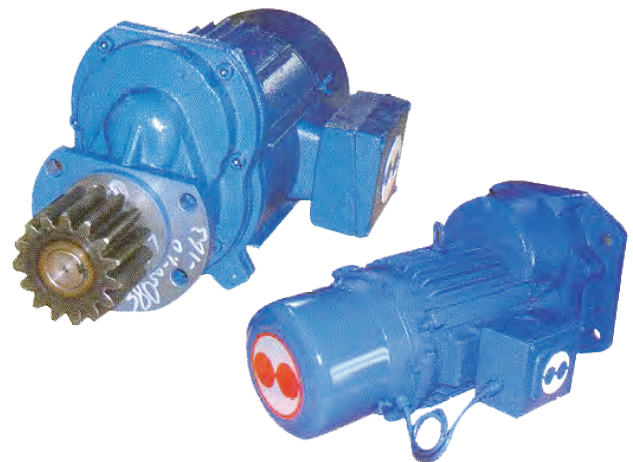
Sungdo Load Limiter could be accommodated to any kind of lifting products. Sungdo Load Limiter is designed as electro-electric system detecting over loaded current in order to prevent against any circumstances with over loaded hoist.



Pendant Button Switch

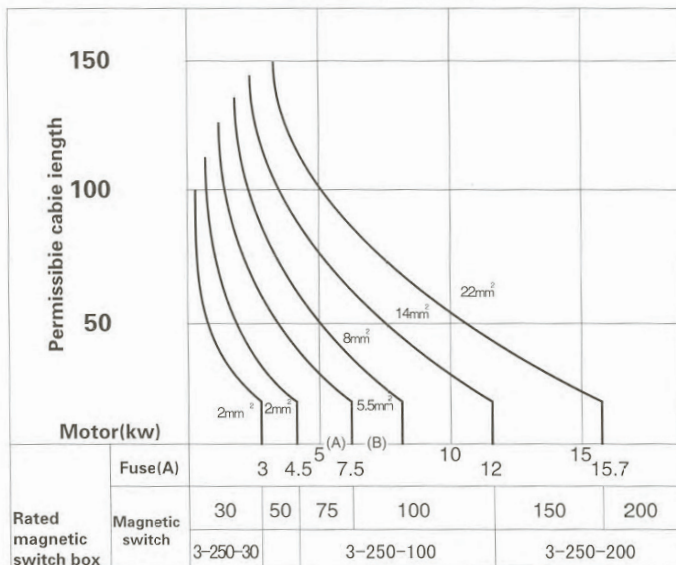


Geared Motor



Maximum Permissible Length for Cabtyre Cable

Cabtyre cable (Permissible length & Fuse capacity)



Maximum Permissible Length for I-Beam

I-Beam (Maximum permissible span)

I Beam size a x b x t	Allowable span of standard SUNGDO hoist by Capacities (m) (Supported at both ends)			
	1t	2t	3t	5t
200 × 100 × 7	4	3	-	-
250 × 125 × 75	6	4.5	3.5	2.4
300 × 150 × 10	9	7	5.5	4.3
350 × 150 × 9	9.5	8	6	5
350 × 150 × 12	11	9	7.5	6
400 × 150 × 10	-	9.5	8	5.5
400 × 150 × 12.5	-	11	9	7
450 × 175 × 11	-	-	-	7.5
450 × 175 × 13	-	-	-	8



Ordering informations of hoist 주문서

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주문서 아래 빈칸을 채워주십시오 Please fill it to when you inquire our hoist

1 2 3 4 5 6 7 8 9 10 11 12 3 14 15 16

회사명 Firm name			
주소 Address		이메일 주소 E-mail	
부서명 Department		담당자 Person in charge	
연락처 Tel No.		팩스 Fax No.	

1 2 3 호이스트 용량 Hoist capacity

- 005 : 0.5T 010 : 1T 020 : 2T
- 028 : 2.8T 030 : 3T 050 : 5T
- 075 : 7.5T 100 : 10T 150 : 15T
- 200 : 20T 300 : 30T 350 : 35T
- 400 : 40T 450 : 45T 500 : 50T
- 600 : 60T 700 : 70T

4 호이스트 종류 Kind of hoist

- N : Ordinary type S : N+Creep
- L : Low Head type R : L+Creep
- D : Double Rail type Q : D+Creep
- A : Combined type G : A+Creep

5 권상속도 Hoisting speed

- H : High speed
- L : Low speed
- Z : Non standard speed

6 7 호이스트 양정 Hoisting lift

- 06 : 6 m 18 : 18 m
- 12 : 12 m 24 : 24 m

8 횡행 구동방법 Trolley type

- P : Hand push trolley
- M : Motor driven trolley
- C : Geared trolley

9 횡행속도 Trolley speed

- H : High speed
- L : Low speed
- Z : Non standard speed

10 주전원 Main power voltage

- 1 : 220V 50Hz 2 : 220V 60Hz 3 : 380V 60Hz
- 4 : 440V 60Hz 5 : 460V 60Hz 6 : 480V 60Hz
- 7 : 380V 50Hz 8 : 415V 50Hz 9 : 400V 60Hz
- A : 440V 50Hz B : 400V 50Hz

11 조작전원 Control voltage

- A : AC220V B : AC110V(표준) C : AC48V
- D : AC24V E : AC12V F : DC48V
- G : DC24V H : DC12V Z : 특수사항

12 사용지역 Hoist application area

- N : 보통지역 Ordinary site
- W : 방수지역 Water proofing site
- A : 내산지역 Acid resistance site
- X : 방폭지역 Explosion-proof

13 Number of pushbutton point

- 5 P : 5 6 P : 6 7 P : 7
- 8 P : 8 9 P : 9 12 P : A
- 11 P : B 12 P : C

※ EM, Lamp, 지시등도 각각 1 Point 추가됩니다

14 절연종류 Insulation group of motor

기호 CODE	절연종류 Insulation group	최고온도 Max. Ambient temp.
<input type="checkbox"/> Y	Y종	90
<input type="checkbox"/> A	A종	105
<input type="checkbox"/> E	E종	120
<input type="checkbox"/> B	B종	130
<input type="checkbox"/> F	F종	155
<input type="checkbox"/> H	H종	180
<input type="checkbox"/> C	C종	180 ~

15 과부하 방지장치 종류 Safety device

- L : Load limiter(Digital type) (Standard)
- C : Load cell

16 Main magnet contactor

- Yes 포함 (모노레일 호이스트 용도로 사용시)
- No 제외 (Crane 용도로 사용시)

Note : 1. 호이스트 사양이 비표준일 경우 별도 메모해 주시기 바랍니다.
2. 칼라사양은 당사 표준사양입니다.



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