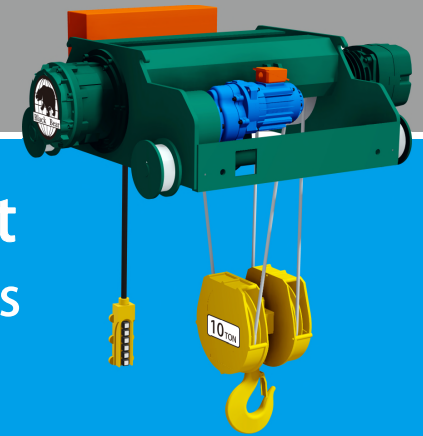




Professional cranes & hoists for lifting



Electric Wire Rope Hoist / AC series



CHENG DAY MACHINERY WORKS CO., LTD.

No. 173, Wen Chiu Road, Dajia District, Taichung City, 437 Taiwan.

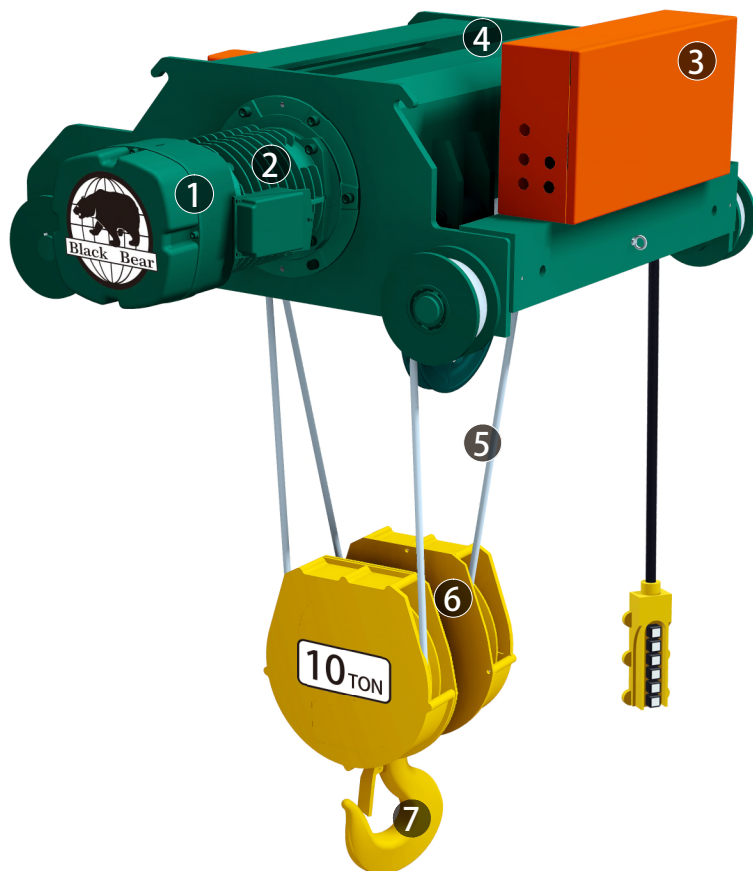
Tel: +886-4-2688-1581 Fax: +886-4-2688-1509

Website: www.chengday.com E-mail: info@chengday.com.tw

- Revision of April, 2023 (Edition No.21) #950105
- No further notice while sizes and dimensions update;
Quotations are based on practical dimensions.
- Due to the printing factors, the color of the products is
subject to minor deviation from the physical objects.



CHENG DAY MACHINERY WORKS CO., LTD.



① AC Brake

New design of AC brake electromagnetic motor disc System works precisely and synchronously with motors.

② Motor

Highly efficiently squirrel cage motors of 40%ED rate (40/20% for dual speed) are quiet, small volume, light weight and suitable for most applications.

(Optional function)

A 60%ED rate motor with cooling fan is available for heavy duty condition.

③ Control Box

IP-20 control box is applied; Higher IP degree is available upon request.

④ Gear Box

Hoist reduction gear system are made of alloy steel with surface harden treatment for long lasting life span.

⑤ Wire Rope

According to JIS G 3525 standard wire rope applications.

⑥ Sheave

The proper diameter of sheave ensures the operation and life span of wire rope.

⑦ Hook

Hot forged hooks with thrust bearing are enable to be swiveled 360°

PRODUCT CODE

T

Model

T: MONORAIL TROLLEY
S: SADDLE TROLLEY
F: FOOTMOUNT

B

Gear box

P: 2.2kw x 4P
K: 3kw x 4P
G: 5kw x 4P
B: 7.5~11kw x 4P
BA: 5kw x 4P
CA: 11~13kw x 4P
DA: 13kw x 4P
EA: 13kw x 4P
FA: 18.5kw x 4P

H

Reeving/Falling

N: 1/1 H: 2/4
M: 1/2 I: 2/6
L: 1/4 J: 2/8
P: 1/6 K: 2/10

D

—

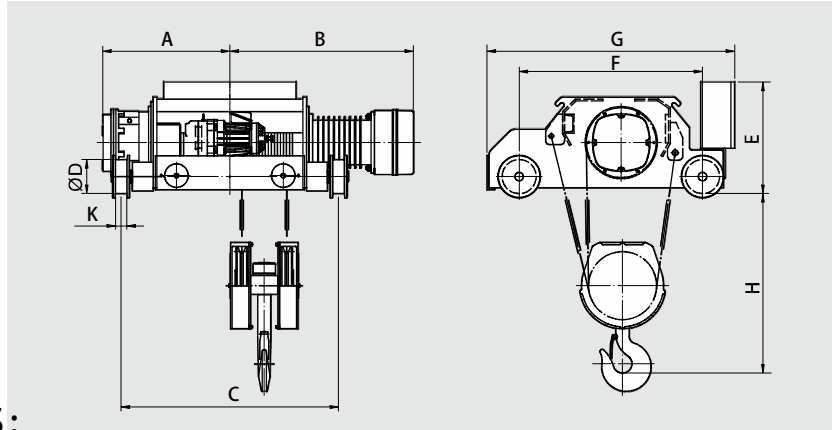
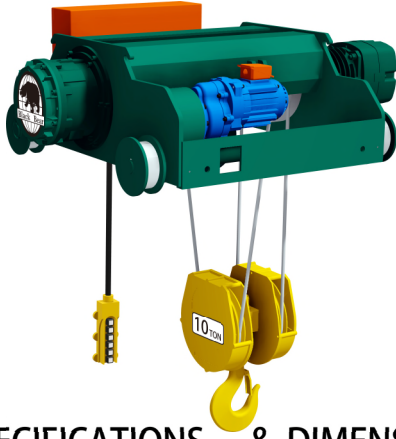
500

S.W.L.

Blank: single speed
D: Only hoist dual speed
D1: Only trolley dual speed
D2: Both hoist & trolley dual speed

100: 1ton
200: 2ton
300: 3ton
500: 5ton
750: 7.5ton
1000: 10ton
1500: 15ton
2000: 20ton
3000: 30ton

SB(A).SCA.SDA.SEA series



SPECIFICATIONS & DIMENSIONS:

Model	Capacity (ton)	Lift (m)	Hoisting				Traversing				Wire Rope		Approximate Dimension (mm)												Approximate Weight (kg)	
			Speed(m/min)		Motor kw pole	ED %		Speed(m/min)		Motor kw pole			ED %		H	A	B		C	D	E		F	G		K
			60Hz	50Hz		Single	Dual	60Hz	50Hz		Single	Dual	Single	Dual			Single	Dual			Single	Dual				
SBH-500	5	6	7.3	6.1	7.5 4P	40	40/20	21	18	0.75 4P	40	40/20	Ø10	2/4	750	553	776	946	850	150	545	545	690	988	45	680
SBHD-500		9	7.3/2.4	6.1/2.0	7.5/2.5 4/12P			21/7	18/6	0.75/0.25 4/12P						603	826	996	850							690
SBAH-500		12	5.1	4.3	5 4P			21	18	0.75 4P						603	966	1136	1150							720
SBAHD-500	5	6	5.1	4.3	5 4P	40	40/20	21	18	0.75 4P	40	40/20	Ø10	2/4	750	553	754	867	850	150	545	545	690	988	45	680
SBH-750		9	5.1/1.7	4.3/1.4	5/1.7 4/12P			21/7	18/6	0.75/0.25 4/12P						603	804	917	850							690
SBHD-750		12	7.3	6.1	11 4P			20	17	1.1 4P						743	944	1056	1150							720
SBL-1000	7.5	6	7.3	6.1	11 4P	40	40/20	20	17	1.1 4P	40	40/20	Ø14	2/4	1200	608	921	1000	850	160	550	550	790	1095	60	880
SBLD-1000		9	7.3/2.4	6.1/2.0	11/3.7 4/12P			20/6.7	17/5.7	1.1/0.37 4/12P						743	1056	1135	1150							1050
SCAH-1000		12	5.0	4.2	11 4P			17	14	1.1 4P						833	1146	1225	1300							1250
SCAHD-1000	10	6	5.0	4.2	11 4P	40	40/20	17	14	1.1 4P	40	40/20	Ø16	1/4	1300	605	903	982	850	180	590	580	970	1310	60	1070
SDAH-1500		9	5.0/1.7	4.2/1.4	11/3.7 4/12P			17/5.7	14/4.7	1.1/0.37 4/12P						673	971	1050	1150							1080
SDAHD-1500		12	5.1	4.3	11 4P			17	14	1.1 4P						773	1071	1150	1150							1210
SEAL-1500	15	6	5.1	4.3	11 4P	40	40/20	17	14	1.1 4P	40	40/20	Ø16	2/4	1500	702	903	982	850	180	580	580	920	1250	60	1290
SEALD-1500		9	5.1/1.7	4.3/1.4	11/3.7 4/12P			17/5.7	14/4.7	1.1/0.37 4/12P						817	1018	1097	1150							1430
SCAL-2000		12	4.4	3.7	13 4P			18	15	1.5 4P						914	1115	1194	1300							1590
SCALD-2000	20	6	4.4	3.7	13 4P	40	40/20	18	15	1.5 4P	40	40/20	Ø18	2/4	1600	946	1187	1187	1400	200	720	720	1125	1465	60	2020
SEAL-1500		9	4.4/1.5	3.7/1.2	13/4.3 4/12P			18/6	15/5	1.5/0.5 4/12P						1007	1246	1246	1400							2080
SEALD-1500		12	4.4	3.7	13 4P			18	15	1.5 4P						1066	1305	1305	1600							2210
SCAL-2000	15	6	4.4	3.7	13 4P	40	40/20	18	15	1.5 4P	40	40/20	Ø18	1/4	1550	690	1040	1040	1150	200	715	715	1160	1500	60	1600
SEAL-1500		9	4.4/1.5	3.7/1.2	13/4.3 4/12P			18	15	1.5 4P						735	1086	1086	1150							1815
SEALD-1500		12	3.2	2.7	13 4P			18	15	1.5 4P						801	1152	1152	1300							2050
SCAL-2000	20	6	3.2	2.7	13 4P	40	40/20	18	15	1.5 4P	40	40/20	Ø20	1/4	1700	760	1040	1040	1150	200	715	715	1160	1500	60	2010
SCALD-2000		9	3.2/1.1	2.7/0.9	13/4.3 4/12P			18/6	15/5	1.5/0.5 4/12P						806	1086	1086	1150							2140
		12	3.2	2.7	13 4P			18/6	15/5	1.5/0.5 4/12P						872	1152	1152	1300							2290

1.R/F=Reeving/falling numbers.

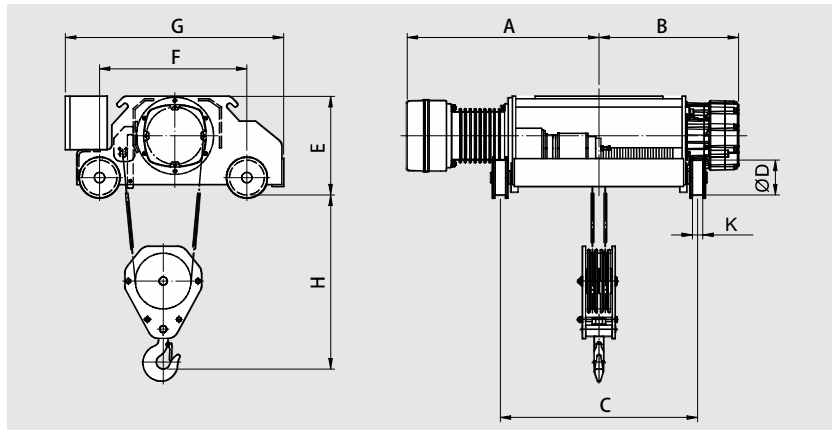
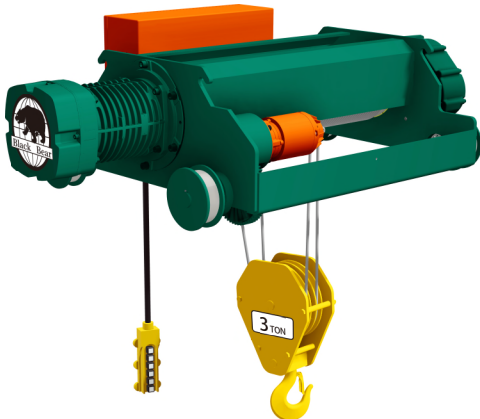
2.Dual speed model under green shadow.

3.Traversing pinion 5 ton M3.5x23t, 7.5 ton M3.5x20t, 10-20 ton M3.5x23t.

4.Traversing motor standard supply, 50 Hz or 60Hz all used 4 pole, or please specify.

5.Traversing motor: used reducing gear motor.

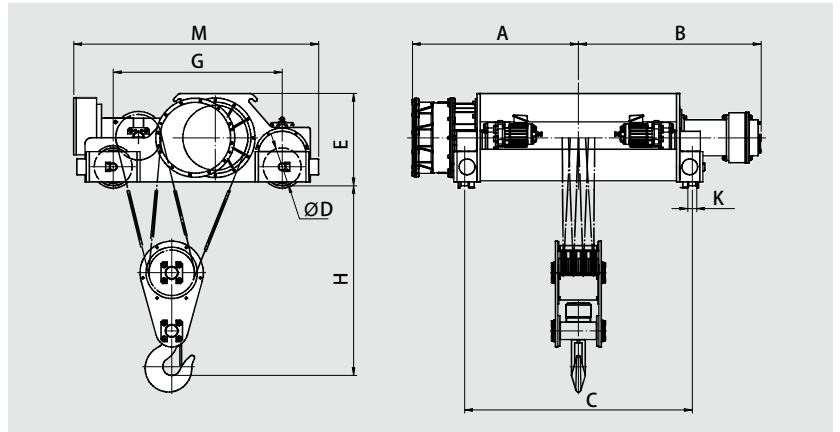
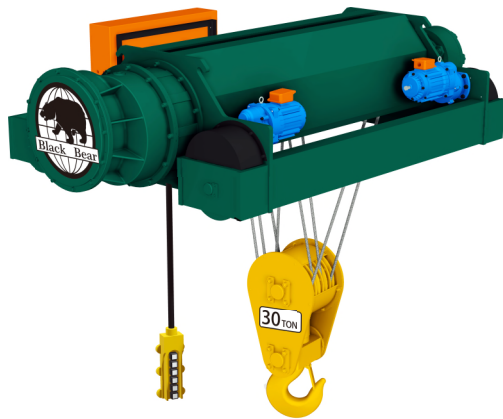
SK.SG series



SPECIFICATIONS & DIMENSIONS:

Model	Capacity (ton)	Lift (m)	Hoisting				Traversing				Wire Rope		Approximate Dimension(mm)											Approximate Weight (kg)			
			Speed(m/min)		Motor kw pole	ED %		Speed(m/min)		Motor kw pole			ED %		H	A		B	C	D	E		F		G	K	
			60Hz	50Hz		Single	Dual	60Hz	50Hz		Single	Dual	Ømm	R/F		Single	Dual				Single	Dual					
SKM-200	2	6	8	6.7	3 4P	40	40/20	20	17	0.25 4P	40	40/20	Ø10	1/2	600	640	680	401	600	120	390	460	615	923	40	420	
SKMD-200		9	8/2.7	6.7/2.2	4/1.7 4/12P			20/6.7	17/5.7	0.25/0.08 4/12P						640	680	401	600							440	
SKH-200	2	6	8	6.7	3 4P	40	40/20	20	17	0.25 4P	40	40/20	Ø8	2/4	600	661	701	462	850	120	390	460	615	923	40	450	
SKHD-200		9	8/2.7	6.7/2.2	4/1.7 4/12P			20/6.7	17/5.7	0.25/0.08 4/12P						674	788	509	850							470	
SKL-300	3	6	4.4	3.7	3 4P	40	40/20	21	18	0.4 4P	40	40/20	Ø10	1/4	650	689	729	465	850	150	425	495	725	1030	45	500	
SKLD-300		9	4.4/1.5	3.7/1.2	3/1 4/12P			21/7	18/6	0.4/0.13 4/12P						650	761	801	523							850	530
SGM-300	3	6	8	6.7	5 4P	40	40/20	21	18	0.4 4P	40	40/20	Ø12	1/2	750	800	913	953	675	1150	150	495	495	660	968	45	560
SGMD-300		9	8/2.7	6.7/2.2	5/1.7 4/12P			21/7	18/6	0.4/0.13 4/12P						702	814	477	850	490							
SGH-300	3	6	8	6.7	5 4P	40	40/20	21	18	0.4 4P	40	40/20	Ø10	2/4	750	702	814	477	850	150	495	495	635	940	45	500	
SGHD-300		9	8/2.7	6.7/2.2	5/1.7 4/12P			21/7	18/6	0.4/0.13 4/12P						804	916	579	850							510	
SGL-500	5	6	4.4	3.7	5 4P	40	40/20	21	18	0.75 4P	40	40/20	Ø10	1/4	700	754	866	529	850	150	495	553	725	1038	45	570	
SGLD-500		9	4.4/1.5	3.7/1.2	5/1.7 4/12P			21/7	18/6	0.75/0.25 4/12P						700	827	939	602							850	590
		12														800	974	1086	749	1150							630

SFA series



SPECIFICATIONS & DIMENSIONS :

Model	Capacity (ton)	Lift (m)	Hoisting				Traversing				Wire Rope		Approximate Dimension (mm)										Approximate Weight (kg)		
			Speed (m/min)		Motor kw pole	ED %		Speed (m/min)		Motor kw pole			ED %		H	A	B		C	D	E	G		K	M
			60Hz	50Hz		Single	Dual	60Hz	50Hz		Single	Dual	Ømm	R/F			Single	Dual							
SFAH-1500	15	8	6.1	5.1	18.5 4P	40	40/20	18	15	1.5 4P	40	40/20	Ø18	2/4	1400	1007	1140	1235	1150	200	725	1150	60	1475	2165
SFAHD-1500		10	6.1/2.0	5.1/1.7	18.5/6.2 4/12P			18/6	15/5	1.5/0.5 4/12P						1053	1186	1281	1400						2401
		12	6.1/2.0	5.1/1.7	18.5/6.2 4/12P			18/6	15/5	1.5/0.5 4/12P						1093	1226	1321	1400						2578
SFAJ-3000	30	8	3.0	2.5	18.5 4P	40	40/20	21	18	1.5 X2 4P	40	40/20	Ø18	2/8	1800	1113	1246	1343	1400	300	730	1336	70	1936	2955
		10	3.0/1.0	2.5/0.83	18.5/6.2 4/12P			21/7	18/6	1.5/0.5 X2 4/12P						1213	1346	1443	1600						3060
SFAJD-3000		12	3.0/1.0	2.5/0.83	18.5/6.2 4/12P			21/7	18/6	1.5/0.5 X2 4/12P						1313	1446	1543	1800						3165

1.R/F=Reeving/falling numbers.

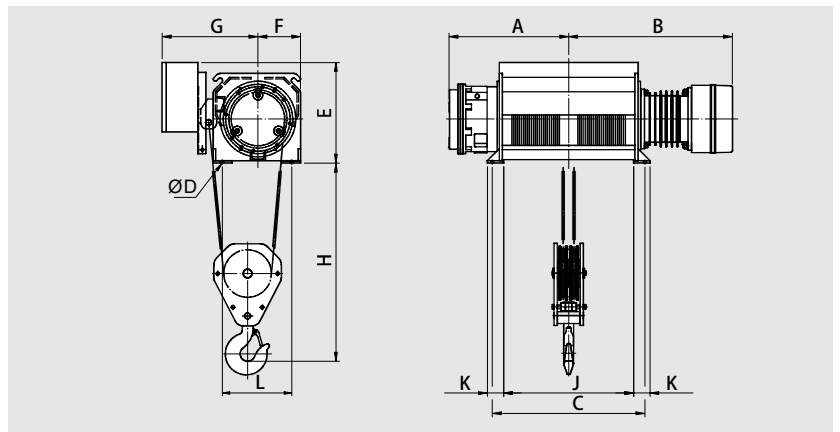
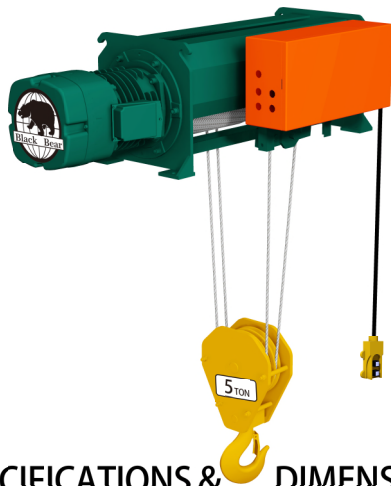
2.Dual speed model under green shadow.

3.Traversing pinion M4x18t.

4.Traversing motor standard supply, 50 Hz or 60Hz all used 4 pole, or please specify.

5.Traversing motor: used reducing gear motor.

FP.FK.FG.FB series

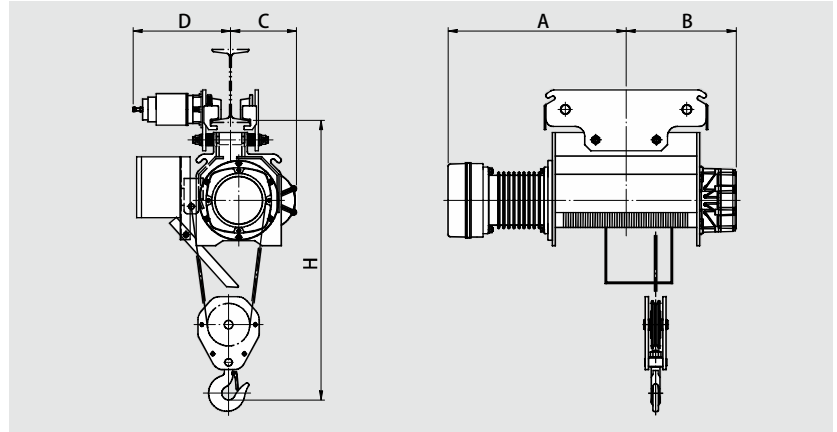
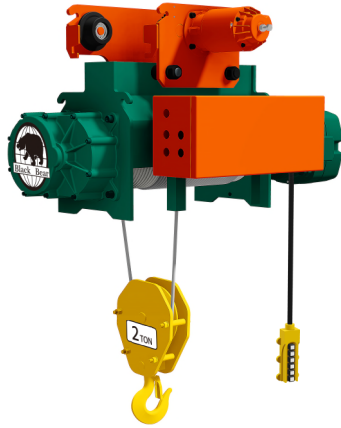


SPECIFICATIONS & DIMENSIONS :

Model	Capacity (ton)	Lift (m)	Hoisting				Wire Rope		Approximate Dimension (mm)											Approximate Weight (kg)
			Speed (m/min)		Motor kw pole	ED %			H	A	B	C	D	E	F	G	J	K	L	
			60Hz	50Hz			Ømm	R/F												
FPM-100	1	6	10.8	9	2.2 4P	40	Ø8	1/2	650	314	530	467	Ø16	307	150	436	353	82	280	205
		9								364	580	567					453			215
		12								414	630	667					553			225
		15								480	696	800					686			248
		6								348	587	466					352			319
FKM-200	2	9	8	6.7	3 4P	40	Ø10	1/2	1150	401	640	571	Ø16	402	237	420	457	82	260	339
		12								453	692	676					562			359
		15								505	744	780					666			379
		6								422	661	614					500			359
		9								509	748	788					674			399
FKH-200	2	12	8	6.7	3 4P	40	Ø8	2/4	1150	596	835	961	Ø16	402	237	433	847	82	260	439
		15								693	932	1155					1041			474
		6								435	660	482					368			330
		9								477	702	565					451			350
		12								579	804	770					656			370
FGM-300	3	15	8	6.7	5 4P	40	Ø12	1/2	1250	633	858	878	Ø16	442	250	430	764	82	305	397
		6								450	689	670					556			350
		9								523	761	815					701			390
		12								675	913	1119					1005			430
		15								814	1053	1398					1284			473
FKL-300	3	6	4.4	3.7	3 4P	40	Ø10	1/4	1100	529	754	670	Ø16	377	275	443	556	82	310	330
		9								602	827	815					701			365
		12								719	944	1049					935			395
		15								814	1039	1239					1125			435
		6								529	754	670					556			413
FGH-300	3	9	8	6.7	5 4P	40	Ø10	2/4	1250	602	827	815	Ø16	442	250	443	701	82	305	433
		12								719	944	1049					935			395
		15								814	1039	1239					1125			435
		6								529	754	670					556			413
		9								602	827	815					701			365
FGL-500	5	12	4.4	3.7	5 4P	40	Ø10	1/4	1100	749	974	1109	Ø16	442	285	453	995	82	330	490
		15								859	1084	1329					1215			520
		6								553	776	670					556			483
		9								603	826	770					656			523
		12								743	966	1049					935			603
FBH-500	5	15	7.3	6.1	7.5 4P	40	Ø10	2/4	1300	818	1041	1200	Ø16	452	215	483	1086	82	350	641
		6								553	754	670					556			483
		9								603	804	770					656			523
		12								743	944	1049					935			603
		15								818	1019	1200					1086			641
FBAH-500	5	6	5.1	4.3	5 4P	40	Ø10	2/4	1300	553	754	670	Ø16	452	215	483	556	82	350	483
		9								603	804	770					656			523
		12								743	944	1049					935			603
		15								818	1019	1200					1086			641

1.R/F=Reeving/falling numbers.

TP.TK.TG series



SPECIFICATIONS & DIMENSIONS :

Model	Capacity (ton)	Lift (m)	Hoisting				Traversing				Wire Rope		Approximate Dimension (mm)										Approximate Weight (kg)			
			Speed(m/min)		Motor kw pole	ED %		Speed(m/min)		Motor kw pole			ED %		H	A		B	C		D			Adjust for Std. I-Beam (mm)		
			60Hz	50Hz		Single	Dual	60Hz	50Hz		Single	Dual	Ømm	R/F		Single	Dual		Single	Dual	Single	Dual				
TPM-100	1	6	10.8	9	2.2 4P	40	40/20	24	20	0.25 4P	40	40/20	Ø8	1/2	1050	530	610	314	210	210	390	390	75-125	246		
TPMD-100		9	10.8/3.6	9/3	2.2/0.73 4/12P			24/8	20/6.7	0.25/0.08 4/12P						580	660	364						710	414	256
TKM-200		12						587	627	348						266										
TKMD-200	2	6	8	6.7	3 4P	40	40/20	24	20	0.25 4P	40	40/20	Ø10	1/2	1150	640	680	401	271	271	401	401	100-150	370		
TKHD-200		9	8/2.7	6.7/2.2	3/1 4/12P			24/8	20/6.7	0.25/0.08 4/12P						692	732	453						410		
		12						661	701	422						400										
TKH-200	2	6	8	6.7	3 4P	40	40/20	24	20	0.25 4P	40	40/20	Ø8	2/4	1150	748	788	509	267	267	403	403	100-150	420		
TKL-300		9	8/2.7	6.7/2.2	3/1 4/12P			24/8	20/6.7	0.25/0.08 4/12P						835	875	596						440		
		12						689	729	518						410										
TKLD-300	3	6	4.4	3.7	3 4P	40	40/20	18	15	0.6 4P	40	40/20	Ø10	1/4	1150	689	761	801	523	275	275	443	443	125-175	450	
TGM-300		9	4.4/1.5	3.7/1.2	3/1 4/12P			18/6	15/5	0.6/0.2 4/12P						913	953	675	490							
		12						660	772	435						410										
TGMD-300	3	6	8	6.7	5 4P	40	40/20	18	15	0.6 4P	40	40/20	Ø12	1/2	1200	702	814	477	271	285	442	442	125-175	430		
TGH-300		9	8/2.7	6.7/2.2	5/1.7 4/12P			18/6	15/5	0.6/0.2 4/12P						804	916	579						450		
		12						754	866	529						390										
TGHD-300	3	6	8	6.7	5 4P	40	40/20	18	15	0.6 4P	40	40/20	Ø10	2/4	1200	827	939	602	271	285	442	443	125-175	425		
TGL-500		9	8/2.7	6.7/2.2	5/1.7 4/12P			18/6	15/5	0.6/0.2 4/12P						944	1056	719						455		
		12						754	866	564						520										
TGLD-500	5	6	4.4	3.7	5 4P	40	40/20	18	15	0.6 4P	40	40/20	Ø10	1/4	1200	827	939	602	300	300	468	468	125-175	540		
		9	4.4/1.5	3.7/1.2	5/1.7 4/12P			18/6	15/5	0.6/0.2 4/12P						974	1086	749						560		
		12																								

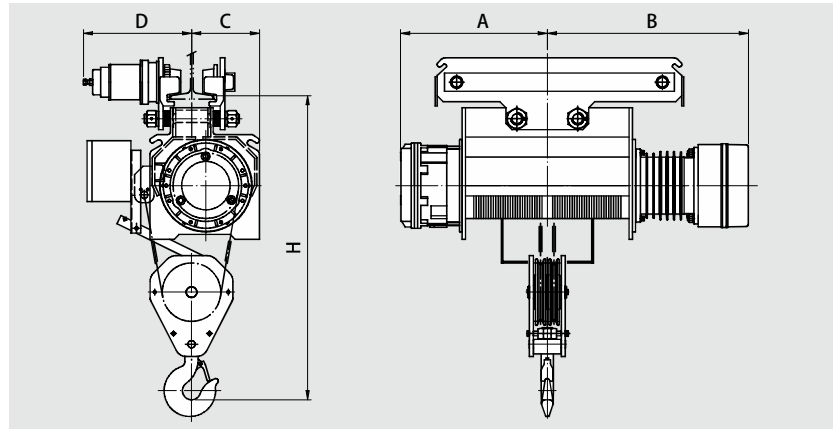
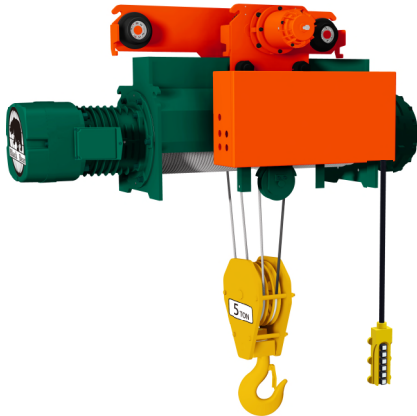
1.R/F=Reeving/falling numbers.

2.Dual speed model under green shadow.

3.Traversing pinion 2 ton M3.5x16t, 3-5 ton M3.5x12t.

4.Traversing motor standard supply, 50 Hz or 60Hz all used 4 pole, or please specify.

TB(A).TCA series



SPECIFICATIONS & DIMENSIONS :

Model	Capacity (ton)	Lift (m)	Hoisting				Traversing				Wire Rope		Approximate Dimension(mm)								Adjust for Std. I-Beam (mm)	Approximate Weight (kg)			
			Speed (m/min)		Motor kw pole	ED %		Speed (m/min)		Motor kw pole			ED %		H	A	B		C				D		
			60Hz	50Hz		Single	Dual	60Hz	50Hz		Single	Dual	Single	Dual			Single	Dual	Single	Dual					
TBH-500	5	6	7.3	6.1	7.5 4P	40	40/20	18	15	0.6 4P	40	40/20	Ø10	2/4	1250	553	776	946	278	315	445	453	125-175	590	
TBHD-500		9	7.3/2.4	6.1/2.0	7.5/2.5 4/12P			18/6	15/5	0.6/0.2 4/12P						603	826	996						710	
		12														743	966	1136						630	
TBAH-500	5	6	5.1	4.3	5 4P	40	40/20	18	15	0.6 4P	40	40/20	Ø10	2/4	1250	553	754	867	278	315	445	453	125-175	590	
TBAHD-500		9	5.1/1.7	4.3/1.4	5/1.7 4/12P			18/6	15/5	0.6/0.2 4/12P						603	804	917						630	
		12														743	944	1056						710	
TBH-750	7.5	6	7.3	6.1	11 4P	40	40/20	20	17	1.1 4P	40	40/20	Ø14	2/4	2000	608	921	1000	294	294	640	640	150-200	990	
TBHD-750		9	7.3/2.4	6.1/2.0	11/3.7 4/12P			20/6.7	17/5.7	1.1/0.37 4/12P						743	1056	1135						1020	
		12														833	1146	1225						1060	
TBL-1000	10	6	5.0	4.2	11 4P	40	40/20	18	15	1.1 4P	40	40/20	Ø16	1/4	2000	605	903	982	380	380	635	726	150-200	970	
TBLD-1000		9														1.1/0.37 4/12P	673	971						1050	1000
		12	5.0/1.7	4.2/1.4	11/3.7 4/12P			18/6	15/5	0.75x2 0.75/0.25x2 4/12P						773	1071	1150						1040	
TCAH-1000	10	6	5.1	4.3	11 4P	40	40/20	18	15	1.1 4P	40	40/20	Ø16	2/4	2250	702	903	982	335	335	635	726	150-200	1100	
TCAHD-1000		9														1.1/0.37 4/12P	817	1018						1097	1170
		12	5.1/1.7	4.3/1.4	11/3.7 4/12P			18/6	15/5	0.75x2 0.75/0.25x2 4/12P						914	1115	1194						1240	

1.R/F=Reeving/falling numbers.

2.Dual speed model under green shadow.

3.Traversing pinion 5 ton M3.5x12t, 7.5 ton M3.5x20t, 10 ton M3.5x23t.

4.Traversing motor standard supply, 50 Hz or 60Hz all used 4 pole, or please specify.

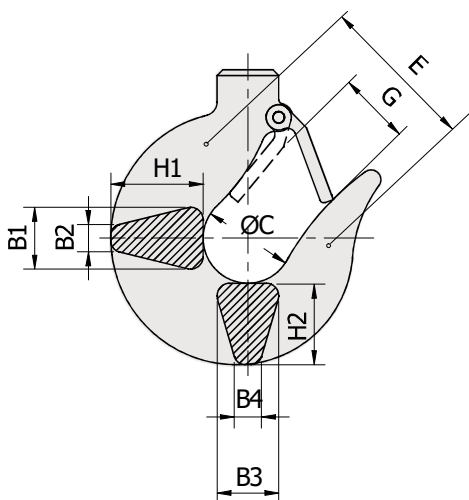
5.Traversing motor: 5 ton used planetary reducing gear motor, 7-10 ton used reducing gear motor.

WIRE ROPE



Rope Dia (mm) d	Mode Being Used	Construction	Specified Breaking Load (kN)
Ø8	TPM-100 FPM-100 TKH-200 SKH-200 FKH-200	6x37-A	34
Ø10	TKL-300(280) SKL-300(280) FKL-300(280) TGH-300(280) SGH-300(280) FGH-300(280)		53.1
	TKM-200 SKM-200 FKM-200	IWRC 6xFi(29)-B	67.7
	TGL-500 SGL-500 FGL-500 TBH-500 TBAH-500 SBH-500 SBAH-500 FBH-500 FBAH-500	IWRC 6xP.Fi(29)-H	84
Ø12	TGM-300(280) SGM-300(280) FGM-300(280)	IWRC 6xFi(29)-B	97.4
Ø14	TBH-750 SBH-750	6x37-H	123
Ø16	TBL-1000 TCAH-1000 SBL-1000 SCAH-1000	6x37-H	161
Ø18	SDAH-1500 SEAL-1500 SFAH-1500 SFAJ-3000	IWRC 6xP.Fi(29)-H	234
Ø20	SCAL-2000	IWRC 6xP.Fi(29)-H	331

HOOK



Mode	Capacity (ton)	Dimension (mm)									Allow Stress (kg/mm ²)	Hook Block Weight (kg)
		H1	B1	B2	H2	B3	B4	C	G	E		
T;FPM	1	33	23	9	29	23	9	40	27	61	70	10
T;F;SKM	2	45	31	10	41	31	10	46	35	70	70	30
T;F;SKH												
T;F;SGM	3	57	38	12	52	38	12	60	42	90	70	40
T;F;SKL												
T;F;SGH												
T;F;SGL	5	75	48	16	68	48	16	75	56	105	70	40
T;F;SB(A)H												50
T;SBH	7.5	85	61	22	77	61	22	85	62	140	70	100
T;SBL	10	100	68	27	95	64	27	100	70	150	70	130
T;SCAH												
SDAH	15	120	85	32	110	83	32	120	82	165	70	220
SEAL												
SFAH												
SCAL	20	138	98	36	128	93	36	140	105	220	70	350
SFAJ	30	138	98	36	128	93	36	140	105	220	100	420



POWER SUPPLY :

- ▲ Electric wire rope hoist suits majority of the 3-Phase power in different countries, available in 50Hz or 60Hz, voltage from 220V up to 600V.
- ▲ Dual-volt hoist subject to our confirmation.

PUSH BUTTON SWITCH:

- ▲ 2-point type : up and down.
- ▲ 4-point type : up and down ; left and right (trolley).
- ▲ 6-point type : up and down ; left and right ; forward and reverse (end carrier)

LIFTING HEIGHT:

- ▲ Standard lifting height : Please refer to specifications.
- ▲ Optional height available upon request.

FEDERATION EUROPEENNE DE LA MANUTENTION

Load spectrum	Cubic mean value Definitions	Average operating time per day in hours							
1 (light)	($k \leq 0.50$) Mechanisms or parts thereof, usually subject to very small loads and in exceptional cases only to maximum loads.	0.25-0.5	0.5-1	1-2	2-4	4-8	8-16	> 16	
2 (medium)	($0.50 < k \leq 0.63$) Mechanisms or parts thereof, usually subject to small loads but rather often to maximum loads.	0.12-0.25	0.25-0.5	0.5-1	1-2	2-4	4-8	8-16	> 16
3 (heavy)	($0.63 < k \leq 0.80$) Mechanisms or parts thereof, usually subject to medium loads but frequently to maximum loads.	≤ 0.12	0.12-0.25	0.25-0.5	0.5-1	1-2	2-4	4-8	8-16
4 (very heavy)	($0.80 < k \leq 1$) Mechanisms or parts thereof, usually subject to maximum or almost to maximum loads.		≤ 0.12	0.12-0.25	0.25-0.5	0.5-1	1-2	2-4	4-8
Classification of Mechanisms FEM 9.511		1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	5 m

ISO/FEM(9.511)

Classification of mechanisms:

1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	5 m
M 1	M 2	M 3	M 4	M 5	M 6	M 7	M 8

Classification of mechanisms into groups:

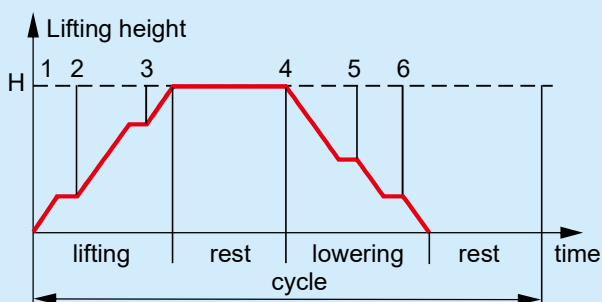
Load spectrum	Cubic mean value	Class of operation time									
		V0.06	V0.12	V0.25	V0.5	V1	V2	V3	V4	V5	
		T0	T1	T2	T3	T4	T5	T6	T7	T8	
		Average operating time per day in hours									
		≤ 0.12	≤ 0.25	≤ 0.5	≤ 1	≤ 2	≤ 4	≤ 8	≤ 16	> 16	
1 L1	$k \leq 0.50$			1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	
2 L2	$0.50 < k \leq 0.63$		1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	5 m	
3 L3	$0.63 < k \leq 0.80$	1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	5 m		
4 L4	$0.80 < k \leq 1.00$	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	5 m			

Class of operating time:

Class of operation time	Average operating time per day (in hours)	Calculated total operating time in hours
V0.06 T0	≤ 0.12	200
V0.12 T1	≤ 0.25	400
V0.25 T2	≤ 0.5	800
V0.5 T3	≤ 1	1600
V1 T4	≤ 2	3200
V2 T5	≤ 4	6300
V3 T6	≤ 8	12500
V4 T7	≤ 16	25000
V5 T8	> 16	50000

OPERATION CYCLE

Hoist with one speed



Hoist with two speed

