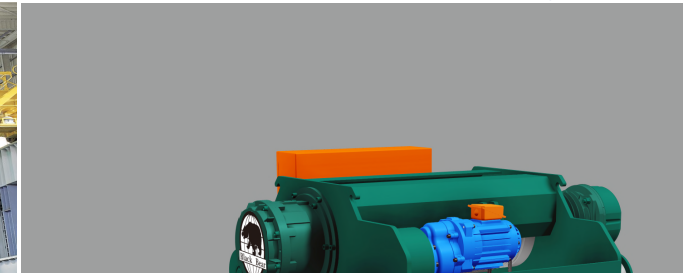




Professional cranes & hoists for lifting



Electric Wire Rope Hoist / DC series



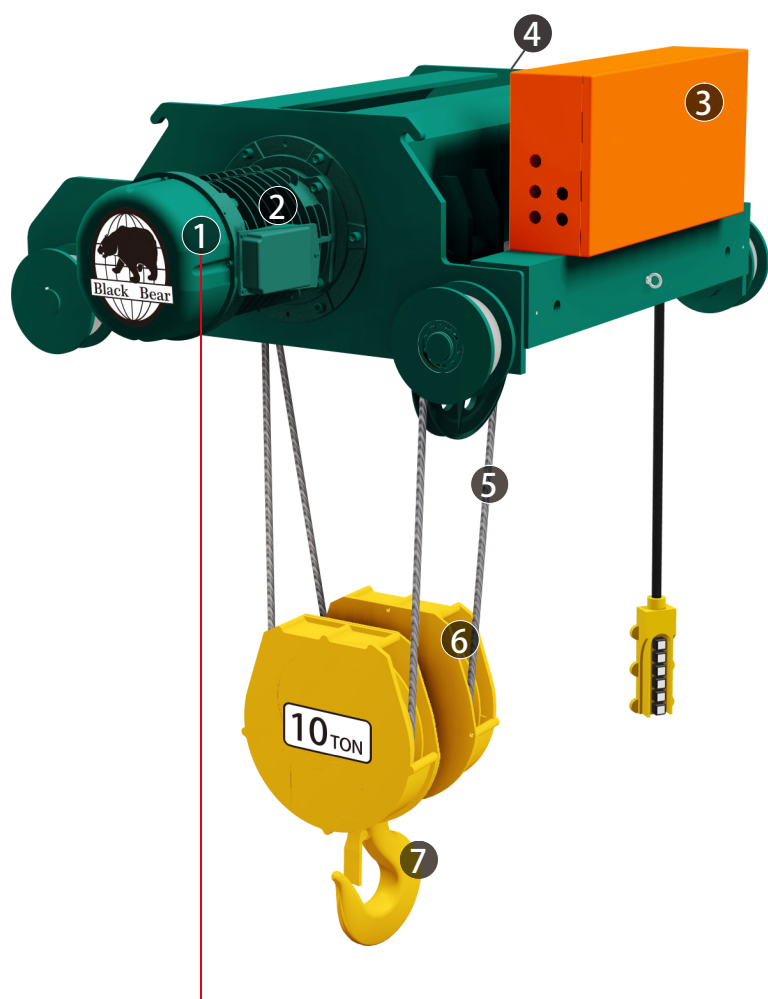
CHENG DAY MACHINERY WORKS CO., LTD.

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- Revision of April, 2023 (Edition No.13) #950168
- 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.



DC BRAKE

1. Take on Germany supplier, Lenze.
2. Durable wear-resisting.
3. Rapid reaction with low noise.
4. Installation convenient as an integral design.

① DC Brake

New design of DC brake electromagnetic motor disc system works precisely and synchronously with motors, and with a rectifier for trouble free.

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
BA: 5kw x 4P
B: 7.5~11kw 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.

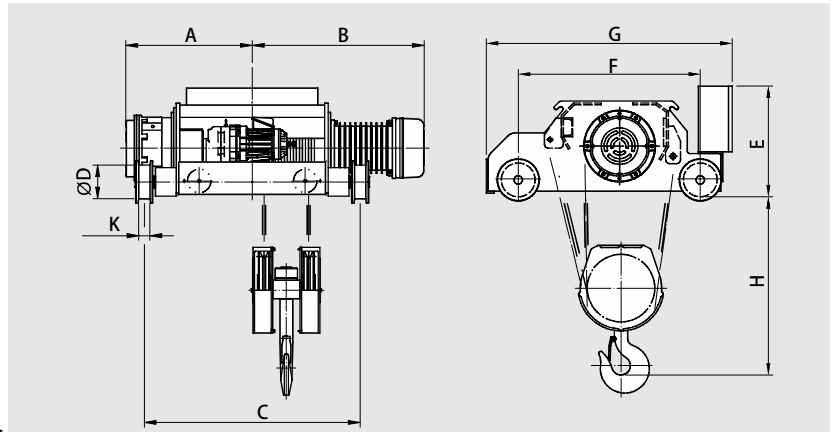
Blank: single speed
D: Only hoist dual speed
D1: Only trolley dual speed
D2: Both hoist & trolley dual speed

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

DB

DC BRAKE

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-500DB	5	6	7.3	6.1	7.5 4P	40	40/20	21	18	0.75 4P	40	40/20	§ 10	2/4	750	553	726	870	850	150	545	545	690	988	45	680
SBHD-500DB		9	7.3/2.4	6.1/2.0	7.5/2.5 4/1 2P			21/7	18/6	0.75/0.25 4/1 2P						603	776	920	850							690
		12																								
SBAH-500DB	5	6	5.1	4.3	5 4P	40	40/20	21	18	0.75 4P	40	40/20	§ 10	2/4	750	553	728	816	850	150	545	545	690	988	45	680
SBAHD-500DB		9	5.1/1.7	4.3/1.4	5/1.7 4/1 2P			21/7	18/6	0.75/0.25 4/1 2P						603	778	866	850							690
		12																								
SBH-750DB	7.5	6	7.3	6.1	11 4P	40	40/20	20	17	1.1 4P	40	40/20	§ 14	2/4	1200	608	870	924	850	160	550	550	790	1095	60	880
SBHD-750DB		9	7.3/2.4	6.1/2.0	11/3.7 4/1 2P			20/6.7	17/5.7	1.1/0.37 4/1 2P						743	1005	1059	1150							1050
		12																								
SBL-1000DB	10	6	5.0	4.2	11 4P	40	40/20	17	14	1.1 4P	40	40/20	§ 16	1/4	1300	605	853	907	850	180	590	580	970	1310	60	1070
SBLD-1000DB		9	5.0/1.7	4.2/1.4	11/3.7 4/1 2P			17/5.7	14/4.7	1.1/0.37 4/1 2P						673	921	975	1150							1080
		12																								
SCAH-1000DB	10	6	5.1	4.3	11 4P	40	40/20	17	14	1.1 4P	40	40/20	§ 16	2/4	1500	702	853	907	850	180	580	580	920	1250	60	1290
SCAHD-1000DB		9	5.1/1.7	4.3/1.4	11/3.7 4/1 2P			17/5.7	14/4.7	1.1/0.37 4/1 2P						817	968	1022	1150							1430
		12																								
SDAH-1500DB	15	8	4.4	3.7	13 4P	40	40/20	18	15	1.5 4P	40	40/20	§ 18	2/4	1600	946	1112	1112	1400	200	720	720	1125	1465	60	2020
SDAHD-1500DB		10	4.4/1.5	3.7/1.2	13/4.3 4/1 2P			18/6	15/5	1.5/0.5 4/1 2P						1007	1171	1171	1400							2080
		12																								
SEAL-1500DB	15	8	4.4	3.7	13 4P	40	40/20	18	15	1.5 4P	40	40/20	§ 18	1/4	1550	690	965	965	1150	200	715	715	1160	1500	60	1600
SEALD-1500DB		10	4.4/1.5	3.7/1.2	13/4.3 4/1 2P			18/6	15/5	1.5/0.5 4/1 2P						735	1010	1010	1150							1815
		12																								
SCAL-2000DB	20	8	3.2	2.7	13 4P	40	40/20	18	15	1.5 4P	40	40/20	§ 20	1/4	1700	760	965	965	1150	200	715	715	1160	1500	60	2010
SCALD-2000DB		10	3.2/1.1	2.7/0.9	13/4.3 4/1 2P			18/6	15/5	1.5/0.5 4/1 2P						806	1010	1010	1150							2140
		12																								

1.R/F=Reeving/falling numbers.

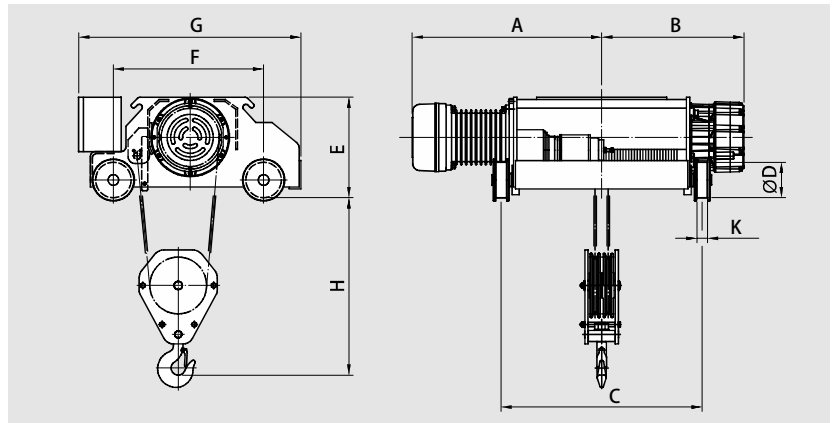
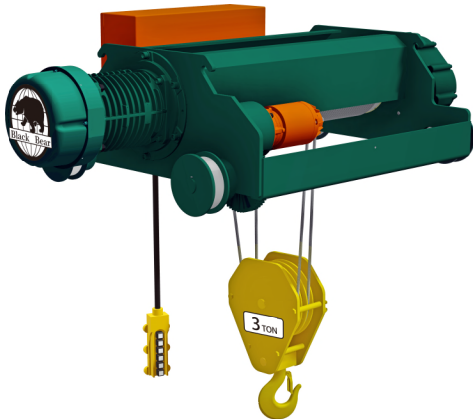
2.Dual speed model under green shadow.

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.

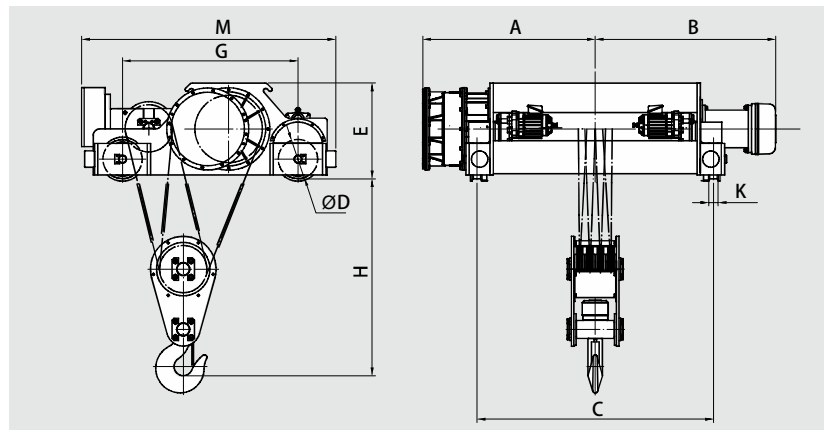
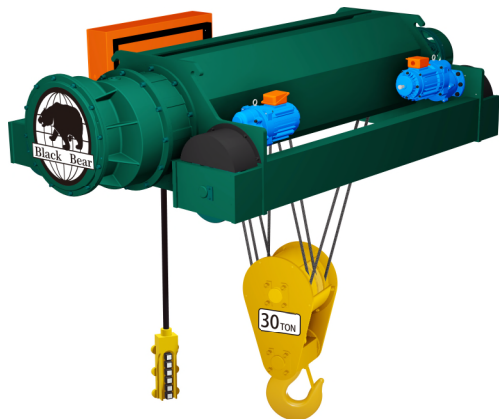
SK.SG series



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				Single	Dual					Single	Dual	Single
SKM-200DB	2	6	8	6.7	3 4P	40	40/20	20	17	0.25 4P	40	40/20	§ 10	1/2	600	638	678	401	600	120	390	460	615	923	40	420	
SKMD-200DB		9	8/2.7	6.7/2.2	3/1 4/1 2P			20/6.7	17/5.7	0.25/0.08 4/1 2P						638	678	401	600							440	
SKH-200DB		12															691	731	462							850	450
SKHD-200DB	2	6	8	6.7	3 4P	40	40/20	20	17	0.25 4P	40	40/20	§ 8	2/4	600	660	700	462	850	120	390	460	615	923	40	450	
SKH-200DB		9	8/2.7	6.7/2.2	3/1 4/1 2P			20/6.7	17/5.7	0.25/0.08 4/1 2P						747	787	509	850							470	
SKHD-200DB		12															833	873	612							1150	490
SKL-300DB	3	6	4.4	3.7	3 4P	40	40/20	21	18	0.4 4P	40	40/20	§ 10	1/4	650	688	728	465	850	150	425	495	725	1030	45	500	
SKLD-300DB		9	4.4/1.5	3.7/1.2	3/1 4/1 2P			21/7	18/6	0.4/0.13 4/1 2P					650	760	800	523	850							530	
SGM-300DB		12														800	912	952	675							1150	560
SGMD-300DB	3	6	8	6.7	5 4P	40	40/20	21	18	0.4 4P	40	40/20	§ 12	1/2	750	675	763	477	850	150	495	495	660	968	45	490	
SGH-300DB		9	8/2.7	6.7/2.2	5/1.7 4/1 2P			21/7	18/6	0.4/0.13 4/1 2P						675	763	477	850							500	
SGHD-300DB		12															778	866	579							850	510
SGH-300DB	3	6	8	6.7	5 4P	40	40/20	21	18	0.4 4P	40	40/20	§ 10	2/4	750	728	816	529	850	150	495	495	635	940	45	520	
SGHD-300DB		9	8/2.7	6.7/2.2	5/1.7 4/1 2P			21/7	18/6	0.4/0.13 4/1 2P						800	888	602	850							580	
SGH-500DB		12															917	1005	719							1150	610
SGLD-500DB	5	6	4.4	3.7	5 4P	40	40/20	21	18	0.75 4P	40	40/20	§ 10	1/4	700	728	816	529	850	150	495	553	725	1038	45	570	
SGLD-500DB		9														700	800	888	602							850	590
SGLD-500DB		12	4.4/1.5	3.7/1.2	5/1.7 4/1 2P			21/7	18/6	0.75/0.25 4/1 2P					800	947	1035	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	Ø mm	R/F			Single	Dual							
SFAH-1500DB	15	8	6.1	5.1	18.5 4P	40	40/20	18	15	1.5 4P	40	40/20	Ø 18	2/4	1400	1007	1065	1188	1150	200	725	1150	60	1475	2165
SFAHD-1500DB		10	6.1/2.0	5.1/1.7	18.5/6.2 4/1 2P			18/6	15/5	1.5/0.5 4/1 2P						1053	1111	1234	1400						2401
SFAJ-3000DB		12														1093	1151	1274	1400						2578
SFAJD-3000DB	30	8	3.0	2.5	18.5 4P	40	40/20	21	18	1.5×2 4P	40	40/20	Ø 18	2/8	1800	1113	1171	1294	1400	300	730	1336	70	1936	2955
		10	3.0/1.0	2.5/0.83	18.5/6.2 4/1 2P			21/7	18/6	1.5/0.5×2 4/1 2P						1213	1271	1394	1600						3060
		12														1313	1371	1494	1800						3165

1.R/F=Reeving/falling numbers.

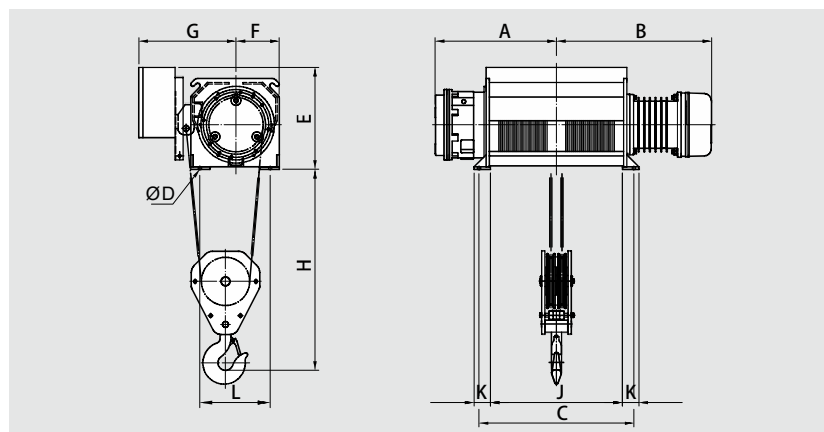
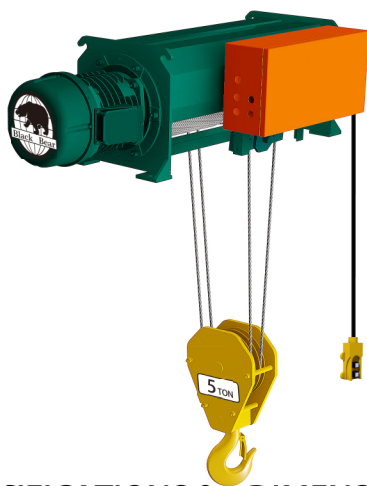
2.Dual speed model under green shadow.

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.

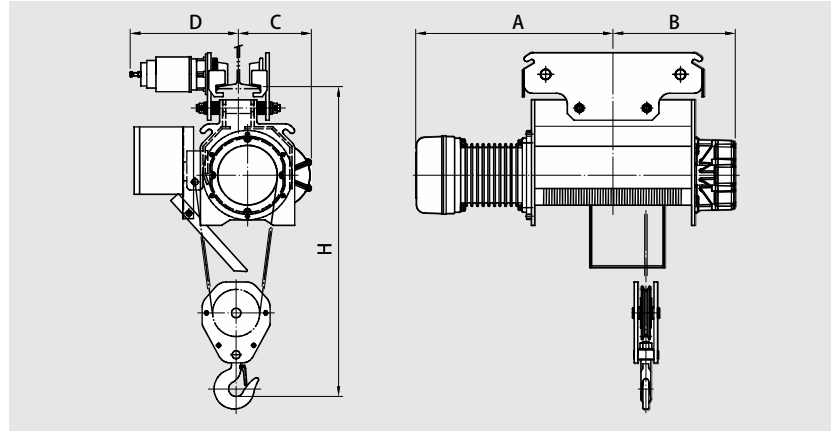
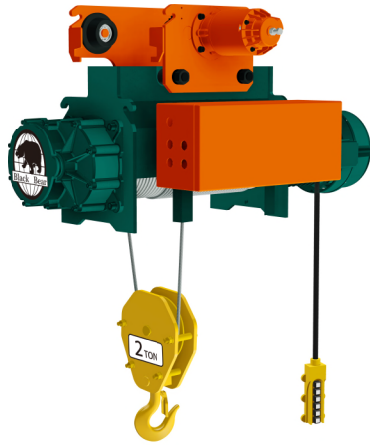
FP.FK.FG.FB series



SPECIFICATIONS & DIMENSIONS:

Model	Capacity (ton)	Lift (m)	Hoisting				Wire Rope		Approximate Dimension (mm)											Approximate Weight (kg)
			Speed(m/min)		Motor kw pole	ED %	Ø mm	R/F	H	A	B	C	D	E	F	G	J	K	L	
			60Hz	50Hz																
FPM-100DB	1	6	10.8	9	2.2 4P	40	ø 8	1/2	650	314	539	467	ø 16	307	150	436	353	82	280	205
		9								364	589	567					453			215
		12								414	639	667					553			225
		15								480	707	800					686			248
FKM-200DB	2	6	8	6.7	3 4P	40	ø 10	1/2	1150	348	586	466	ø 16	402	237	420	352	82	260	319
		9								401	638	571					457			339
		12								453	691	676					562			359
		15								505	743	780					666			379
FKH-200DB	2	6	8	6.7	3 4P	40	ø 8	2/4	1150	422	660	614	ø 16	402	237	433	500	82	260	359
		9								509	747	788					674			399
		12								596	833	961					847			439
		15								693	930	1155					1041			474
FGM-300DB	3	6	8	6.7	5 4P	40	ø 12	1/2	1250	435	634	482	ø 16	442	250	430	368	82	305	330
		9								477	675	565					451			350
		12								579	778	770					656			370
		15								633	832	878					764			397
FKL-300DB	3	6	4.4	3.7	3 4P	40	ø 10	1/4	1100	450	688	670	ø 16	377	275	443	556	82	310	350
		9								523	760	815					701			390
		12								675	912	1119					1005			430
		15								814	1052	1398					1284			473
FGH-300DB	3	6	8	6.7	5 4P	40	ø 10	2/4	1250	529	728	670	ø 16	442	250	443	556	82	305	330
		9								602	800	815					701			365
		12								719	917	1049					935			395
		15								814	1012	1239					1125			435
FGL-500DB	5	6	4.4	3.7	5 4P	40	ø 10	1/4	1100	529	728	670	ø 16	442	285	453	556	82	330	413
		9								602	800	815					701			433
		12								749	947	1109					995			490
		15								859	1058	1329					1215			520
FBH-500DB	5	6	7.3	6.1	7.5 4P	40	ø 10	2/4	1300	553	726	670	ø 16	452	215	483	556	82	350	483
		9								603	776	770					656			523
		12								743	915	1049					935			603
		15								818	991	1200					1086			641
FBAH-500DB	5	6	5.1	4.3	5 4P	40	ø 10	2/4	1300	553	728	670	ø 16	452	215	483	556	82	350	483
		9								603	778	770					656			523
		12								743	917	1049					935			603
		15								818	993	1200					1086			641

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		
			60Hz	50Hz		Single	Dual	60Hz	50Hz		Single	Dual	\$ mm	R/F		Single	Dual		Single	Dual	Single	Dual	
TPM-100DB	1	6	10.8	9	2.2 4P	40	24	20	0.25 4P	40	40/20	\$ 8	1/2	1050	539	620	314	210	210	390	390	75-125	246
TPMD-100DB		9	10.8/3.6	9/3	2.2/0.73 4/12P		24/8	20/6.7	0.25/0.08 4/12P		256												
		12									266												
TKM-200DB	2	6	8	6.7	3 4P	40	24	20	0.25 4P	40	40/20	\$ 10	1/2	1150	586	626	348	271	271	401	401	100-150	370
TKMD-200DB		9	8/2.7	6.7/2.2	3/1 4/12P		24/8	20/6.7	0.25/0.08 4/12P		390												
		12									410												
TKH-200DB	2	6	8	6.7	3 4P	40	24	20	0.25 4P	40	40/20	\$ 8	2/4	1150	660	700	422	267	267	403	403	100-150	400
TKHD-200DB		9	8/2.7	6.7/2.2	3/1 4/12P		24/8	20/6.7	0.25/0.08 4/12P		420												
		12									440												
TKL-300DB	3	6	4.4	3.7	3 4P	40	18	15	0.5 4P	40	40/20	\$ 10	1/4	1150	688	728	518	275	275	443	443	125-175	410
TKLD-300DB		9	4.4/1.5	3.7/1.2	3/1 4/12P		18/6	15/5	0.6/0.2 4/12P		450												
		12									490												
TGM-300DB	3	6	8	6.7	5 4P	40	18	15	0.6 4P	40	40/20	\$ 12	1/2	1200	634	722	435	271	285	442	442	125-175	410
TGMD-300DB		9	8/2.7	6.7/2.2	5/1.7 4/12P		18/6	15/5	0.6/0.2 4/12P		430												
		12									450												
TGH-300DB	3	6	8	6.7	5 4P	40	18	15	0.6 4P	40	40/20	\$ 10	2/4	1200	728	816	529	271	285	442	443	125-175	390
TGHD-300DB		9	8/2.7	6.7/2.2	5/1.7 4/12P		18/6	15/5	0.6/0.2 4/12P		425												
		12									455												
TGL-500DB	5	6	4.4	3.7	5 4P	40	18	15	0.5 4P	40	40/20	\$ 10	1/4	1200	728	816	564	300	300	468	468	125-175	520
TGLD-500DB		9	4.4/1.5	3.7/1.2	5/1.7 4/12P		18/6	15/5	0.6/0.2 4/12P		540												
		12									560												

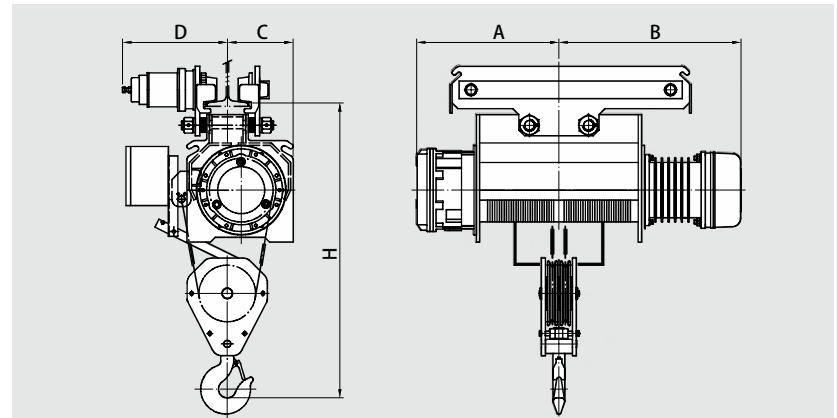
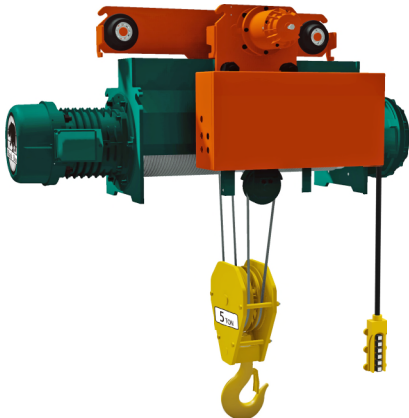
1.R/F=Reeving/falling numbers.

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			Single	Dual
TBH-500DB	5	6	7.3	6.1	7.5 4P	40	40/20	18	15	0.6 4P	40	40/20	§ 10	2/4	1250	553	726	870	278	315	445	453	125-175	590
TBHD-500DB		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	776	920						630
		12														743	915	1059						710
TBAH-500DB	5	6	5.1	4.3	5 4P	40	40/20	18	15	0.6 4P	40	40/20	§ 10	2/4	1250	553	728	816	278	315	445	453	125-175	590
TBHAD-500DB		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	778	866						630
		12														743	917	1005						710
TBH-750DB	7.5	6	7.3	6.1	11 4P	40	40/20	20	17	1.1 4P	40	40/20	§ 14	2/4	2000	608	870	924	294	294	640	640	150-200	990
TBHD-750DB		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	1005	1059						1020
		12														833	1095	1149						1060
TBL-1000DB	10	6	5.0	4.2	11 4P	40	40/20	18	15	1.1 4P	40	40/20	§ 16	1/4	2000	605	853	907	380	380	635	726	150-200	970
TBLD-1000DB		9								1.1/0.37 4/12P						673	921	975						1000
		12	5.0/1.7	4.2/1.4	11/3.7 4/12P			18/6	15/5	0.75x2.25x2 4/12P						773	1021	1075						1040
TCAH-1000DB	10	6	5.1	4.3	11 4P	40	40/20	18	15	1.1 4P	40	40/20	§ 16	2/4	2250	702	853	907	335	335	635	726	150-200	1100
		9								1.1/0.37 4/12P						817	968	1022						1170
TCAHD-1000DB		12	5.1/1.7	4.3/1.4	11/3.7 4/12P			18/6	15/5	0.75x2.25x2 4P 0.75/0.25x2						914	1065	1119						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.

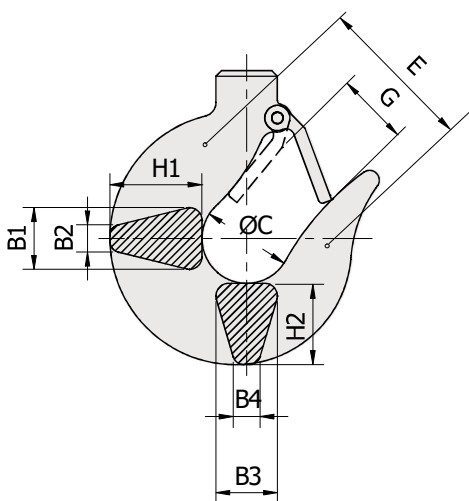
5.Traversing motor: 5 ton used planetary reducing gear motor, 7-10 ton used reducing gear motor.

WIRE ROPE



Rope Dia (mm) d	Mode Being Used	Construction	Specified Breaking Load (kn)
§ 8	TPM-100DB FPM-100DB TKH-200DB SKH-200DB FKH-200DB	6x37-A	34
§ 10	TKL-300DB SKL-300DB FKL-300DB TGH-300DB SGH-300DB FGH-300DB		53.1
	TKM-200DB SKM-200DB FKM-200DB	IWRC 6xFi(29)-B	67.7
	TGL-500DB SGL-500DB FGL-500DB TBH-500DB TBAH-500DB SBH-500DB SBAH-500DB FBH-500DB FBAH-500DB	IWRC 6xP.Fi(29)-H	84
§ 12	TGM-300DB SGM-300DB FGM-300DB	IWRC 6xFi(29)-B	97.4
§ 14	TBH-750DB SBH-750DB	6x37-H	123
§ 16	TBL-1000DB TCAH-100DB SBL-1000DB SCAH-1000DB	6x37-H	161
§ 18	SDAH-1500DB SEAL-1500DB SFAH-1500DB SFAJ-3000DB	IWRC 6xFi(29)-H	234
§ 20	SCAL-2000DB	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	56	38	12	51	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	120	85	32	110	83	32	120	82	165	100	250
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)

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:

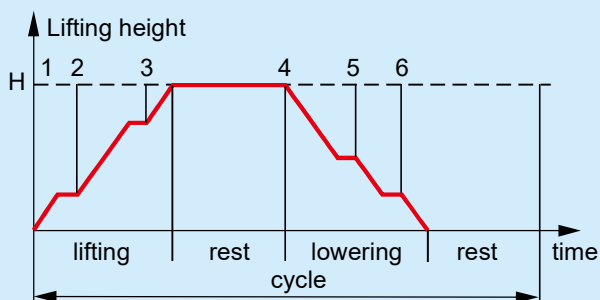
Load spectrum	Cubic mean value	Class of operation time									
		V0.06	V0.12	V0.25	V0.5	V1	V2	V3	V4	V5	
		T0	T1	T2	T3	T4	T5	T6	T7	T8	
		Average operating time per day in hours									
1 L1	$k \leq 0.50$			1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	
2 L2	$0.50 < k \leq 0.63$		1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	5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

