

ELEPHANT

ELECTRIC CHAIN BLOCK



3 Phase FA type **• FB type**
SINGLE SPEED **DOUBLE SPEED**
1 Phase SA type
SINGLE SPEED

No.3

High quality & efficiency
World class advanced chain hoist

Simple structure & useful



ELEPHANT CHAIN BLOCK CO.,LTD.



JQA-1547

OPTION:OVERLOAD LIMIT DEVICE

Model:FA III FB III SA III

New type of overload limit device(Torcon) is the slip clutch equipped to motor.

In case of overloading, it actuates and stop the hoist lifting the weight. This mechanism protects the hoist from damage due to overload.

SA model

Features

1.Single phase class B insulation

Short time duty:25minutes

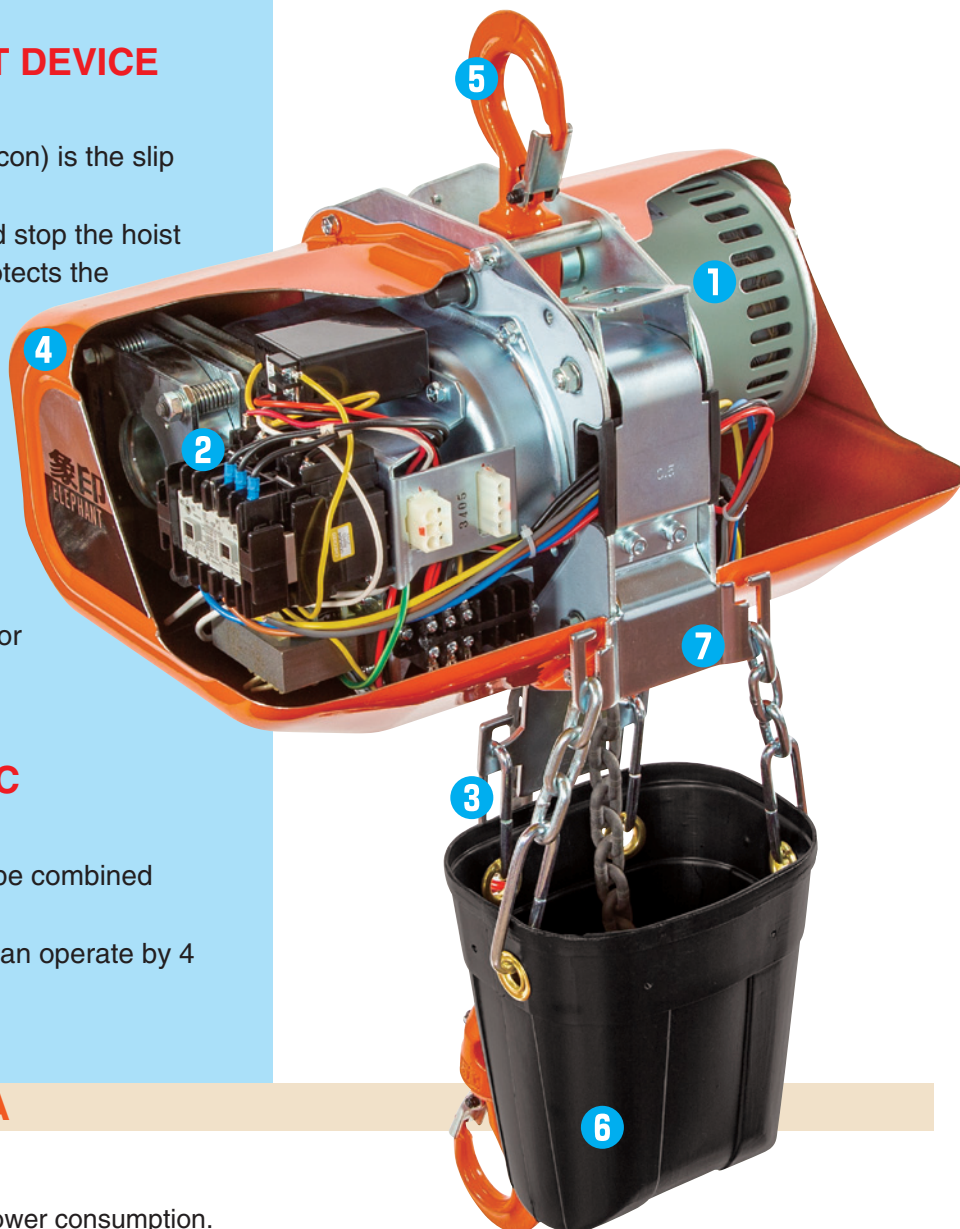
2.Thermal protector

Thermal protector senses the abnormal rise of temperature for motor and stops the motor automatically. It prevents the motor from burning.

SINGLE PHASE ELECTRIC TROLLEY MODEL: MTS

Single phase model. This trolley can be combined with SA.

In case of combination with SA, you can operate by 4 push buttons.



FEATURES OF FA/FB/SA

1 Tough, heavy-duty motor.

Originally designed motor with low power consumption.

	Insulation class	Short time duty
FA	E	30 minutes
FB	E	30 minutes (high speed)
		15 minutes (low speed)
SA	B	25 minutes

2 Reliable electro-magnetic DC brake

3 Highly durable load chain of our own manufacture.

4 Totally enclosed steel plate construction

Wiring:simple plug-in type connection of wires.

5 Top and bottom hook with high safety and operability

Bottom hook with bearing swivels 360° smoothly. In case of overloading, it gradually elongates without fracture.

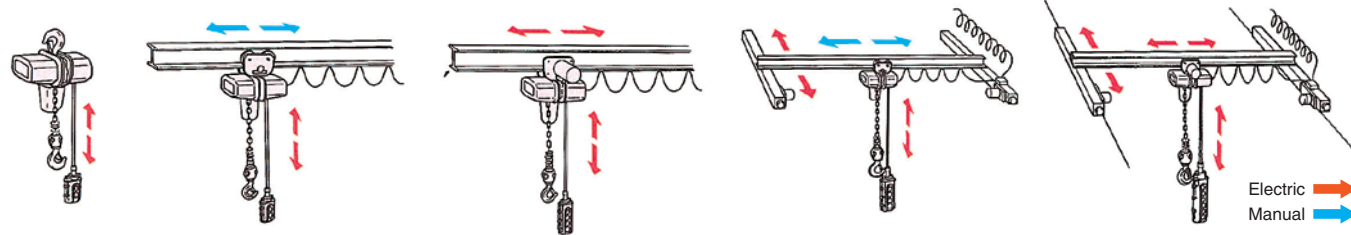
6 Chain bucket

Specially strengthened plastic bucket.

7 Limit switch

Standard model is equipped with limit switch.

Combination of FA/FB/SA with monorail and crane



FA/FB/SA
+2 push
buttons
+5m power
cord

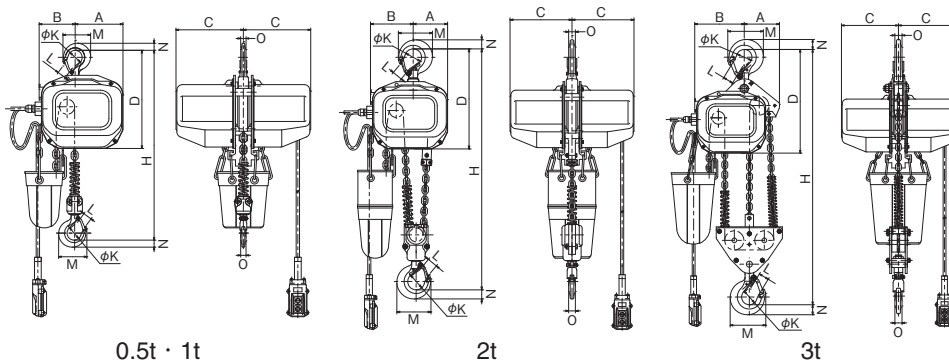
FA/FB/SA
+Geared/Plain
trolley
+2 push buttons
+5m power cord

FA/FB/SA
+Electric trolley
+4 push buttons

FA/FB/SA
+Geared/Plain trolley
+4 push buttons
+ SBA (crane wiring box)

FA/FB
+Electric trolley
+6 push buttons
+SBA (crane wiring box)

FA/FB(3 phase) Hook suspension



SPECIFICATION

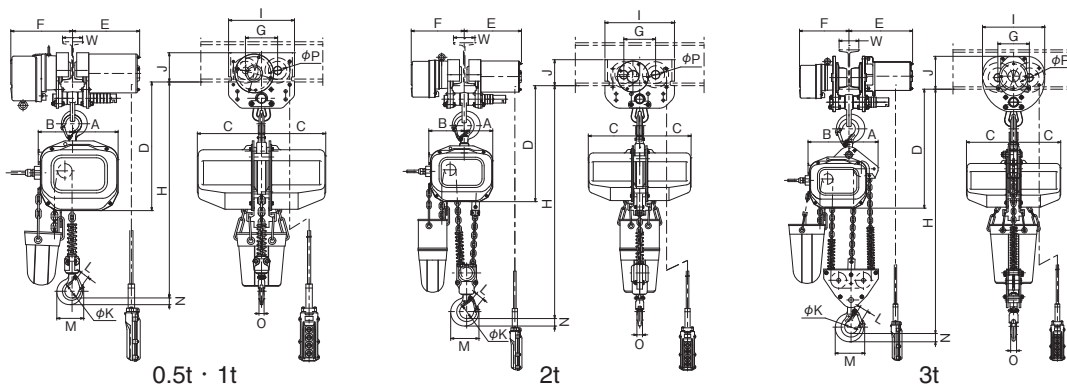
Model No.	W.L.L.(ton)	Test load (ton)	Standard lift(m)	Standard push button cord length(m)	load chain dia × number of falls	Lifting motor output(kw), (FB)High:Low speed	Lifting speed(m/min)/(FB)High:Low speed		Minimum distance H(mm)	Net weight
FA-0.5	0.5	0.625	4	4	6.3×1	0.9	50Hz	60Hz	555	45
FA-1	1	1.25	4	4	7.1×1	1.6	6.3	7.5	590	58
FA-2	2	2.5	4	4	7.1×2	1.6	3.1	3.8	745	70
FA-3	3	3.75	4	4	7.1×3	1.6	2.1	2.5	860	87
FB-0.5	0.5	0.625	4	4	6.3×1	0.9:0.25	7.0:1.8	8.4:2.1	555	46
FB-1	1	1.25	4	4	7.1×1	1.6:0.4	6.3:1.6	7.5:1.9	590	62
FB-2	2	2.5	4	4	7.1×2	1.6:0.4	3.1:0.8	3.8:0.9	745	72
FB-3	3	3.75	4	4	7.1×3	1.6:0.4	2.1:0.5	2.5:0.6	860	89

1)The length of power cord is 4 core-5m(standard).

DIMENSIONS

W.L.L(ton)	A	B	C	D	K	L	M	N	O
0.5t	161	124	224	316.5	43	26	80.5	19	14
1t	170	128	239	349	50	31	100	25	19
2t	133	165	239	386.5	65	39	132	35	26
3t	148	208	239	436	65	44	150	42	30

FAM/FBM(3 phase) Electric chain block with electric trolley



SPECIFICATION

Model No.	W.L.L.(ton)	Standard lift(m)	Lifting speed(m/min) (FB)High:Low speed		Traversing motor output (kw)	Traversing speed(m/min)		Minimum distance H(mm)	Traversing I beam width	Trolley min radius(mm)	Net weight
			50Hz	60Hz		50Hz/60Hz	50Hz/60Hz				
FAM-0.5	0.5	4	7.0	8.4	0.4	20/24 (MAF type)	10/12 (MAS type)	695(600)	75·100	1100	76
FAM-1	1	4	6.3	7.5				730(625)	125·150	1100	91
FAM-2	2	4	3.1	3.8				910(750)	100·125	1500	117
FAM-3	3	4	2.1	2.5				1040(870)	150	1500	149
FBM-0.5	0.5	4	7.0:1.8	8.4:2.1	0.4	20/24 (MAF type)	10/12 (MAS type)	695(600)	75·100	1100	79
FBM-1	1	4	6.3:1.6	7.5:1.9				730(625)	125·150	1100	95
FBM-2	2	4	3.1:0.8	3.8:0.9				910(750)	100·125	1500	119
FBM-3	3	4	2.1:0.5	2.5:0.6				1040(870)	150	1500	151

1)The length of power cord in standard is 4 core-0.5m in case of 4 push button, 7 core-0.5m in case of 6 push button.

2)When you need 6 push button for crane instead of 4 push button, "C" should be added to the end of model name. 3)Short time duty for MAF/MAS is 30 minutes.

4)Minimum distance H is in case of that "Traversing I beam width" is minimum. 5)The number bracketed in "Minimum distance H(mm)" means direct connection.

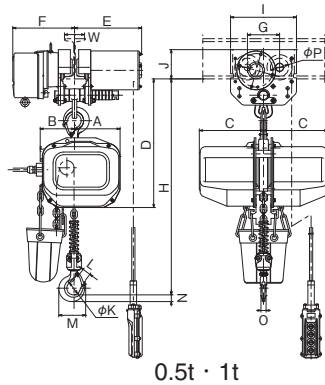
DIMENSIONS

W.L.L(ton)	A	B	C	*D	*E	*F	G	I	*J	K	L	M	N	O	φ P(diameter of wheel)
0.5t	161	124	224	448	251(278)	231	120	246	110	43	26	80.5	19	14	68
1t	170	128	239	480	251(278)	231	120	246	110	50	31	103	25	19	68
2t	133	165	239	541	267(294)	247	148	324	122	65	39	132	35	26	83.5
3t	148	208	239	605	324(400)	252	160	316	167	65	44	150	42	30	98

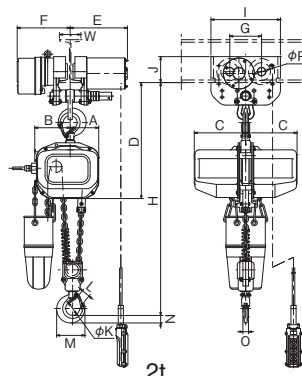
1)Dimension marked by "*" is in case of that "Traversing I beam width" is minimum.

※The specification and dimensions may be changed without prior notice for improvement.

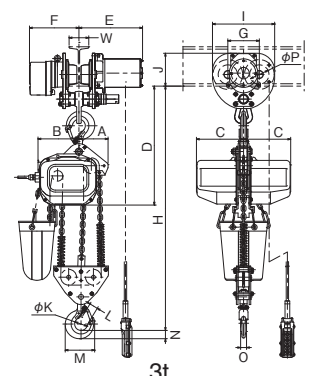
FAMB/FBMB(3 phase) Electric chain block with electric trolley



0.5t · 1t



2t



3t

SPECIFICATION

Model No.	W.L.L. (ton)	Standard lift(m)	Lifting speed(m/min) (FB)High:Low speed		Traversing motor output (kw)	Traversing speed(m/min)		Minimum distance H(mm)	Traversing I beam width	Trolley min radius(mm)	Net weight
			50Hz	60Hz		50Hz	60Hz				
FAMB-0.5	0.5	4	7.0	8.4	0.4	5:20 (MB type)	6:24 (MB type)	695(600)	75·100	1100	76
FAMB-1	1	4	6.3	7.5				730(625)	125·150	1100	91
FAMB-2	2	4	3.1	3.8				910(750)	100·125	1500	117
FAMB-3	3	4	2.1	2.5				1040(870)	150	1500	149
FBMB-0.5	0.5	4	7.0:1.8	8.4:2.1	0.4	5:20 (MB type)	6:24 (MB type)	695(600)	75·100	1100	79
FBMB-1	1	4	6.3:1.6	7.5:1.9				730(625)	125·150	1100	95
FBMB-2	2	4	3.1:0.8	3.8:0.9				910(750)	100·125	1500	119
FBMB-3	3	4	2.1:0.5	2.5:0.6				1040(870)	150	1500	151

1)The length of power cord in standard is 4 core-0.5m in case of 4 push button, 7 core-0.5m in case of 6 push button.

2)When you need 6 push button for crane instead of 4 push button, "C" should be added to the end of model name. 3)Short time duty for MB is 15 minutes.

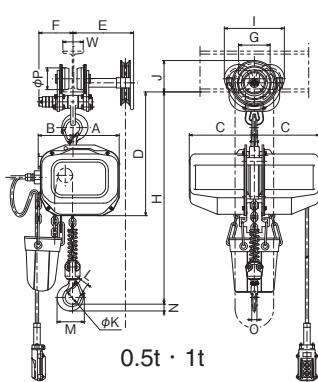
4)Minimum distance H is in case of that "Traversing I beam width" is minimum. 5)The number bracketed in "Minimum distance H(mm)" means direct connection.

DIMENSIONS

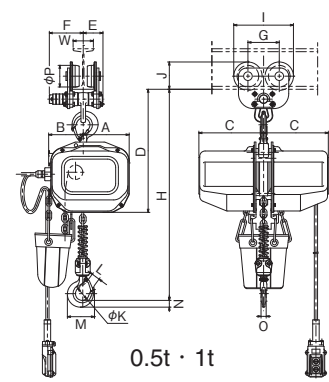
W.L.L.(ton)	A	B	C	*D	*E	*F	G	I	*J	K	L	M	M	N	φ P(diameter of wheel)
0.5t	161	124	224	448	251(278)	231	120	246	110	43	26	80.5	19	14	68
1t	170	128	239	480	251(278)	231	120	246	110	50	31	103	25	19	68
2t	133	165	239	541	267(294)	247	148	324	122	65	39	132	35	26	83.5
3t	148	208	239	605	324(400)	252	160	316	167	65	44	150	42	30	98

1)Dimension marked by "*" is in case of that "Traversing I beam width" is minimum.

FAG, FAP/FBG, FBP type Electric chain block with geared/plain trolley



0.5t · 1t



0.5t · 1t

SPECIFICATION

Model No.	W.L.L. (ton)	Standard lift(m)	Lifting speed(m/min) (FB)High:Low speed		Geared trolley		Minimum distance H(mm)	Traversing I beam width	Trolley min radius(mm)	Net weight	
			50Hz	60Hz	Trolley Traverse distance on pulling 1m hand chain(mm)	Hand chain effort [approx.](kgf)				w/Geared trolley	w/Plain trolley
FAG-0.5,FAP-0.5	0.5	4	7.0	8.4	115	2	670(575)	75·100	900	58	54
FAG-1, FAP-1	1	4	6.3	7.5	94	3.5	705(600)	125	1100	78	69
FAG-2, FAP-2	2	4	3.1	3.8	81	5.5	895(740)	100·125	1200	100	90
FAG-3, FAP-3	3	4	2.1	2.5	84	8	1030(860)	150	1700	123.5	115
FBG-0.5,FBP-0.5	0.5	4	7.0:1.8	8.4:2.1	115	2	670(575)	75·100	900	59	55
FBG-1, FBP-1	1	4	6.3:1.6	7.5:1.9	94	3.5	705(600)	125	1100	82	73
FBG-2, FBP-2	2	4	3.1:0.8	3.8:0.9	81	5.5	895(740)	100·125	1200	102	92
FBG-3, FBP-3	3	4	2.1:0.5	2.5:0.6	84	8	1030(860)	150	1700	125.5	117

1)The length of power cord in standard is 4 core-5m in case of 2 push button, 7 core-0.5m in case of 4 push button.

2)When you need 4 push button for crane instead of 2 push button, "C" should be added to the end of model name.

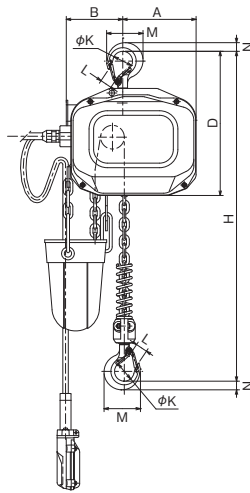
3)Minimum distance H is in case of that "Traversing I beam width" is minimum. 4)The number bracketed in "Minimum distance H(mm)" means direct connection.

DIMENSIONS

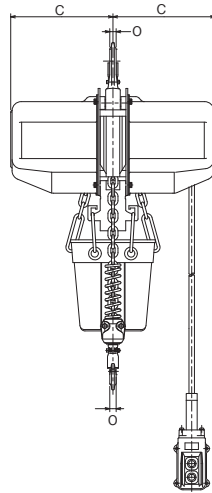
W.L.L (ton)					Geard/Plain trolley				Geard/Plain trolley					φ P (diameter of wheel)	
	A	B	C	D	E	F	G	I	J	K	L	M	N		O
0.5t	161	124	224	431.5	219/76	126	100.4	190.4	98/90	43	26	80.5	19	14	70
1t	170	128	239	464	224/74	126	116	221	116/102	50	31	103	25	19	80
2t	133	165	239	538.5	237/94	144	136	259	144/120	65	39	132	35	26	98
3t	148	208	239	597.5	236/98	144	150	288	152/138	65	44	150	42	30	115

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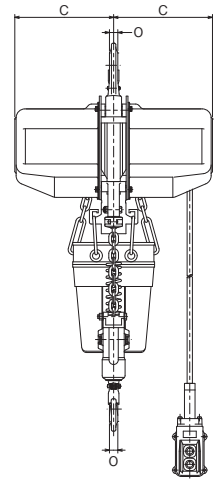
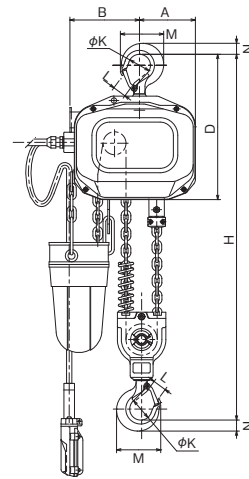
SA type(single phase) Hook suspension



250kg~0.5t



1t



SPECIFICATION

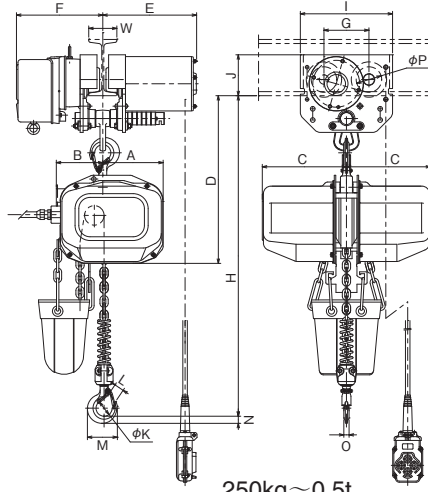
Model No.	W.L.L.(ton)	Test load (ton)	Standard lift(m)	Standard push button cord length(m)	load chain dia x number of falls	Lifting motor output(kw)	Lifting speed(m/min)		Minimum distance H(mm)	Net weight
							50Hz	60Hz		
SA-0.25	250kg	312.5kg	4	4	6.3×1	0.45	7.0	8.4	555	45
SA-0.5	0.5	0.625	4	4	6.3×1	0.45	3.5	4.1	555	45
SA-1	1	1.25	4	4	6.3×2	0.45	1.8	2.1	670	53

1)The length of power cord is 3 core-5m(standard).

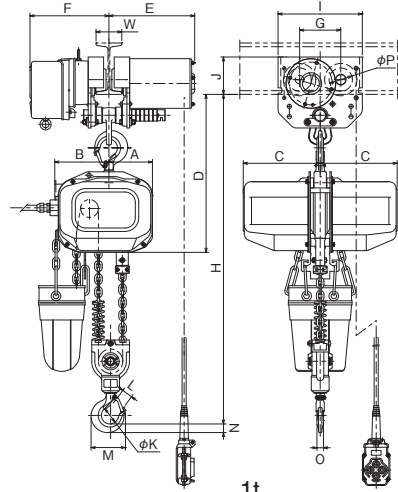
DIMENSIONS

W.L.L.(ton)	A	B	C	D	K	L	M	N	O
250kg	161	124	224	317	43	26	80.5	19	14
0.5t	161	124	224	317	43	26	80.5	19	14
1t	127	158	224	329.5	50	31	103	25	19

SAM type(single phase) Electric chain block with electric trolley



250kg~0.5t



1t

SPECIFICATION

Model No.	W.L.L.(ton)	Test load (ton)	Standard lift(m)	Traversing motor output (kw)	Lifting speed(m/min)		Traversing speed(m/min)	Minimum distance H(mm)	Traversing I beam width	Trolley min radius (mm)	Net weight
					50Hz	60Hz					
SAM-0.25	250kg	312.5kg	4	0.3	7.0	8.4	10/12 (MTS type)	695(600)	75	1100	79
SAM-0.5	0.5	0.625	4		3.5	4.1		695(600)	100	1100	79
SAM-1	1	1.25	4		1.8	2.1		810(705)	125	1100	87

1)The length of power cord in standard is 3 core-0.5m in case of 4 push button.

2)Short time duty for MTS is 15 minutes.

3)Minimum distance H is in case of that "Traversing I beam width" is minimum.

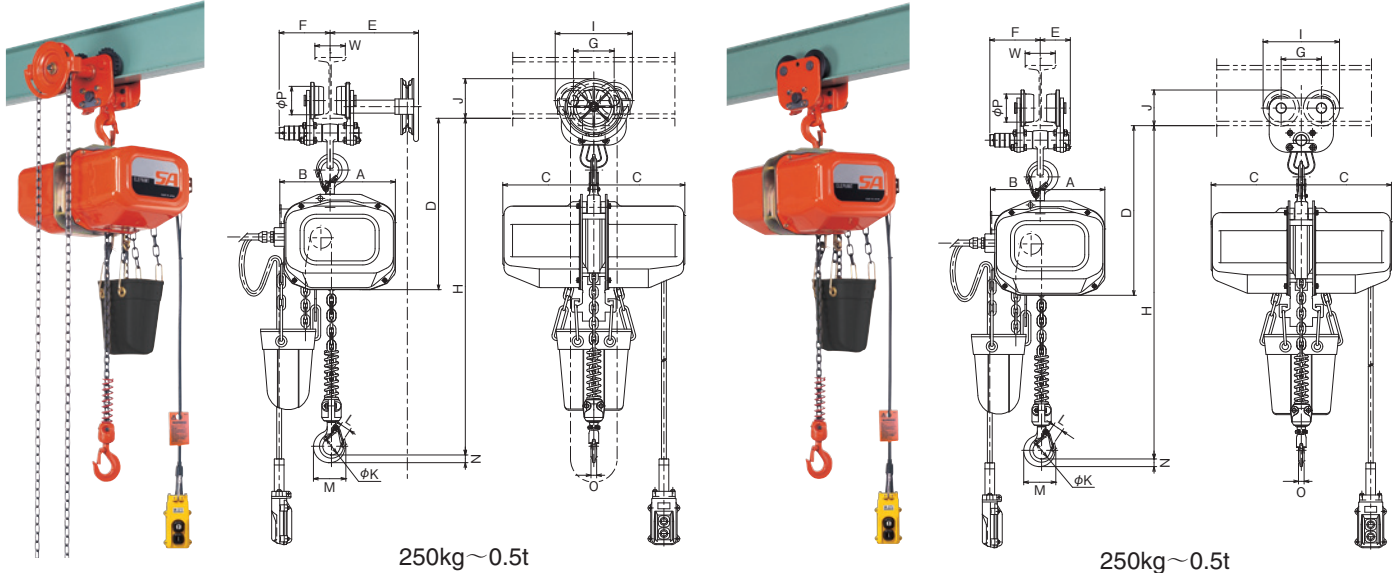
4)The number bracketed in "Minimum distance H(mm)" means direct connection.

DIMENSIONS

W.L.L.(ton)	A	B	C	D	E	F	G	I	J	K	L	M	N	O	φ P(diameter of wheel)
250kg	161	124	224	456.5	251	231	120	246	110	43	26	80.5	19	14	68
0.5t	161	124	224	456.5	251	231	120	246	110	43	26	80.5	19	14	68
1t	127	158	224	531	251	231	120	246	110	50	31	103	25	19	68

※The specification and dimensions may be changed without prior notice for improvement.

SAG, SAP type Electric chain block with geared/plain trolley



SPECIFICATION

Model No.	W.L.L. (ton)	Standard lift(m)	Lifting speed(m/min)		Geared trolley Trolley Traverse distance on pulling 1m hand chain(mm)	Hand chain effort [approx.](kgf)	Minimum distance H(mm)	Traversing I beam width	Trolley min radius(mm)	Net weight	
			50Hz	60Hz						w/Geared trolley	w/Plain trolley
SAG-0.25,SAP-0.25	0.25	4	7.0	8.4	115	1	670(575)	75	900	58	54
SAG-0.5, SAP-0.5	0.5	4	3.5	4.1	115	2	670(575)	100	900	58	54
SAG-1, SAP-1	1	4	1.8	2.1	94	3.5	785(680)	125	1100	74	65

1)The length of power cord in standard is 3 core-5m in case of 2 push button. 2)Minimum distance H is in case of that "Traversing I beam width" is minimum.
3)The number bracketed in "Minimum distance H(mm)" means direct connection.

DIMENSIONS

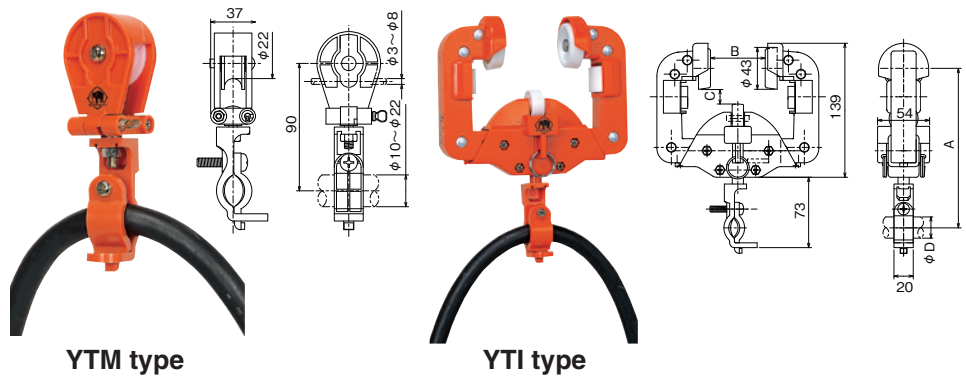
W.L.L. (ton)	A	B	C	D	Geared/Plain trolley				Geared/Plain trolley				K	L	M	N	O	φ P (diameter of wheel)
250kg	161	124	224	431.5	219/76	126	100.4	190.4	98/90	43	26	80.5	19	14				70
0.5t	161	124	224	431.5	219/76	126	100.4	190.4	98/90	43	26	80.5	19	14				70
1t	127	158	224	445	224/74	126	116	221	116/102	50	31	103	25	19				80

Emergency stop button

Option Available for all models



Cable hanger



DIMENSIONS

Model	I beam width	A	B	C	D
YTI-100	75	166	32	15	φ10~22
	100	166	57	15	φ10~22
YTI-150	125	166	82	25	φ10~22
	150	166	107	25	φ10~22



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※The specification and dimensions may be changed without prior notice for improvement.

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