



SPECIALISED TOOLS  
AND EQUIPMENT

"Makin' the Hard Jobs Easy"

**ELEPHANT**

**HEAVY DUTY ELECTRIC CHAIN BLOCK**



**DA type** SINGLE SPEED • **DB type** DOUBLE SPEED

No.2



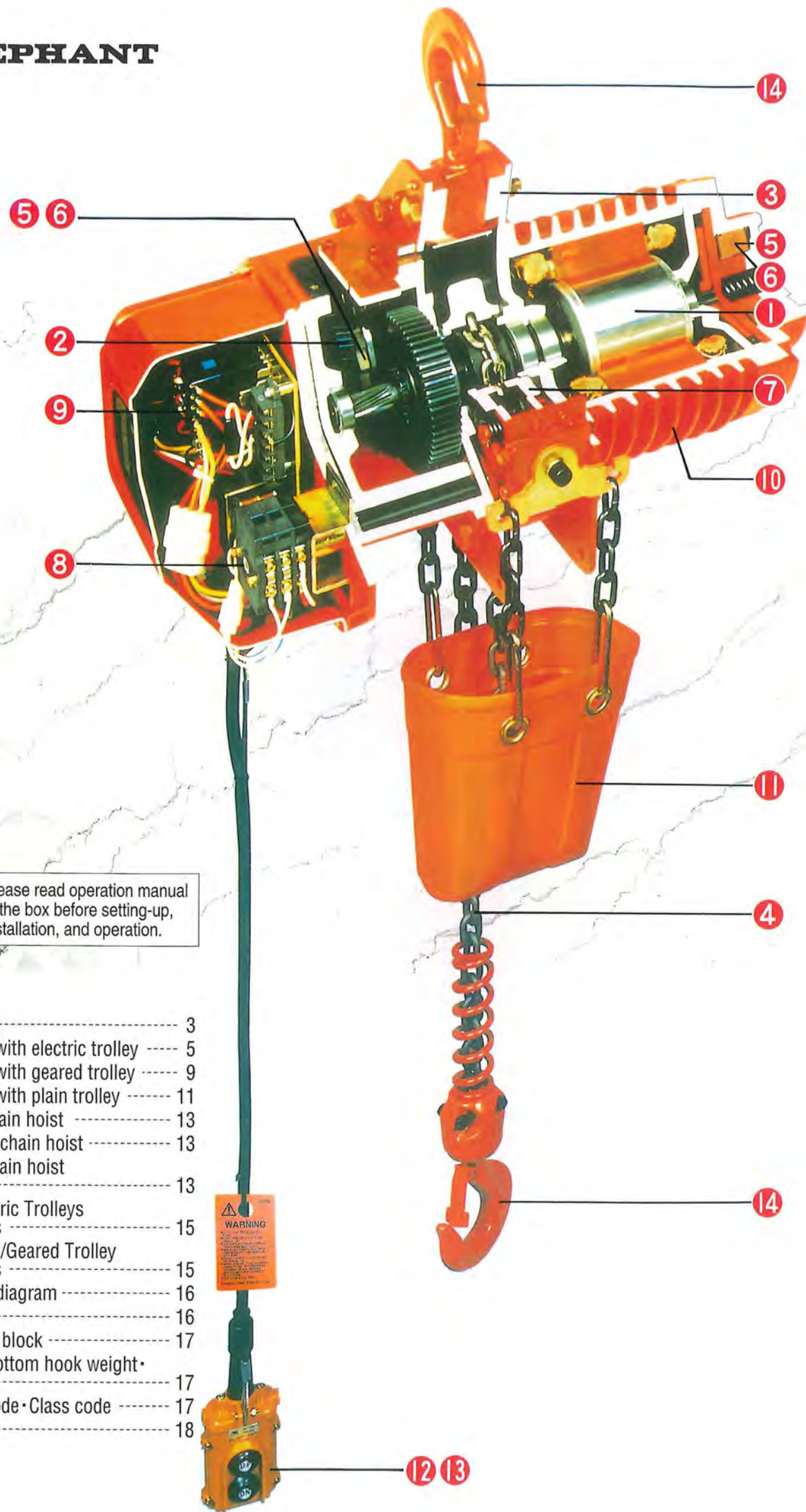
ELEPHANT CHAIN BLOCK CO.,LTD.

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# ELEPHANT ELECTRIC CHAIN BLOCK DA/DB TYPE IS DESIGNED BY UNIQUE IDEA AND TRUSTABLE TECHNIQUE. THIS TYPE IS USEFUL FOR VARIOUS OPERATIONS OF HEAVY LOAD.



## FEATURES OF DA/DB TYPE

- ① **High speed and highly efficient lifting motor**  
To meet any severe conditions of operating the chain block, DA/DB model employs the newly-developed lifting motor which allows it to operate continuously for a long period and with the frequent starts/hour duties. Its lifting speed is made as high as possible to ensure the enhanced working efficiency.
- ② **Noiseless and dust protective body**  
Durable helical gears & oil bath type gear case make quiet operation.
- ③ **Solid steel side plate**
- ④ **Highly durable load chain**  
The load chain is the surface-hardened one whose properties completely agree with the ISO standard Grade T, offering the satisfactory degrees of breaking strength, wear resistance and impact absorption. Chains of high corrosion resistance for special uses are available upon request.
- ⑤ **Mechanical brake and motor brake—safe double brake**  
The electric-magnetic brake is combined together with the mechanical brake to constitute a complete double brake system, and even the former alone has enough capacity to hold a static safe working load.
- ⑥ **DC brake and motor with low power consumption**  
D.C. solenoid is used for the electro-magnetic brake, and this promises lower electrical consumption throughout the operation of the electric chain block.
- ⑦ **Unique chain guide**  
Since this new chain block is designed in such a way that the chain guide rotation on the load sheave is transmitted to the electrical limit switch, operation stops automatically by the function of the limit switch, not only when the chain is wound up or down to its end, but also in situations like as the dust and foreign matters remain pressed and kept in the pockets of load sheave.
- ⑧ **Reliable double—action electrical limit switch**  
Electrical limit switch for this model acts with two steps. At the first step, the limit switch breaks the operating circuit, and at the following step, it breaks the main power circuit.
- ⑨ **Negative phase contactor and highly efficient magnetic contactor with mechanical & electrical interlock**
- ⑩ **Motor frame**  
Cooling fin of aluminum motor frame can reduce the rise of temperature.
- ⑪ **High durability Chain bucket**
- ⑫ **Control switch voltage set at 24V**
- ⑬ **Push-push type push button switch (DB type)**
- ⑭ **Top hook and bottom hook with safety latch**  
While overload situation, hooks open gradually and not break suddenly. Further compact thrust bearing prevent twisting of load chain.

**CAUTION** Please read operation manual in the box before setting-up, installation, and operation.

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# ELECTRIC CHAIN BLOCK

## HOOK SUSPENSION TYPE

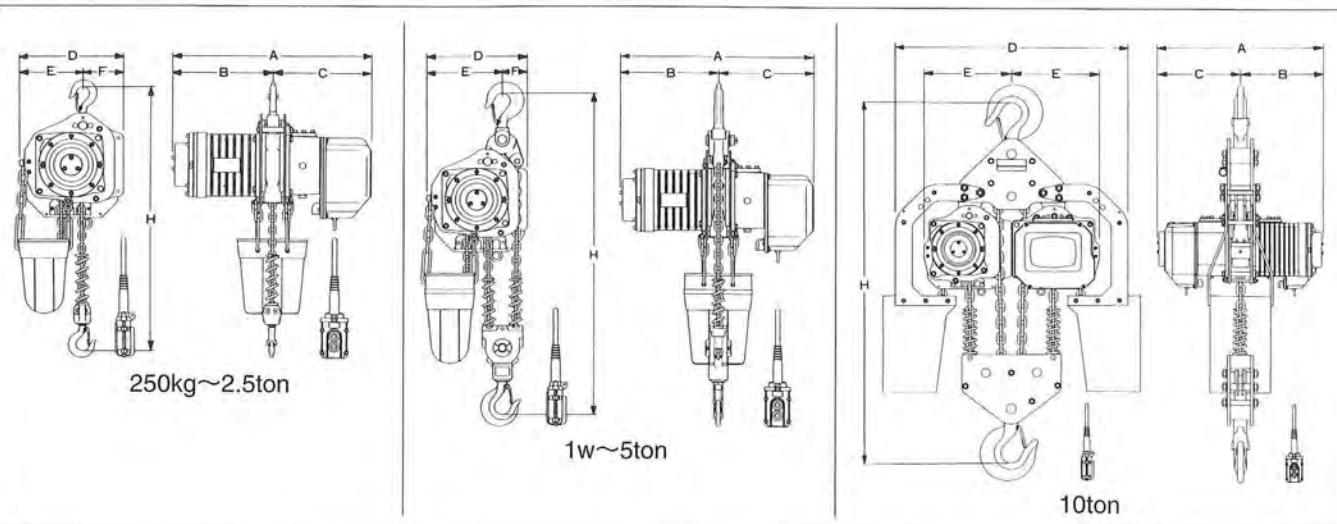
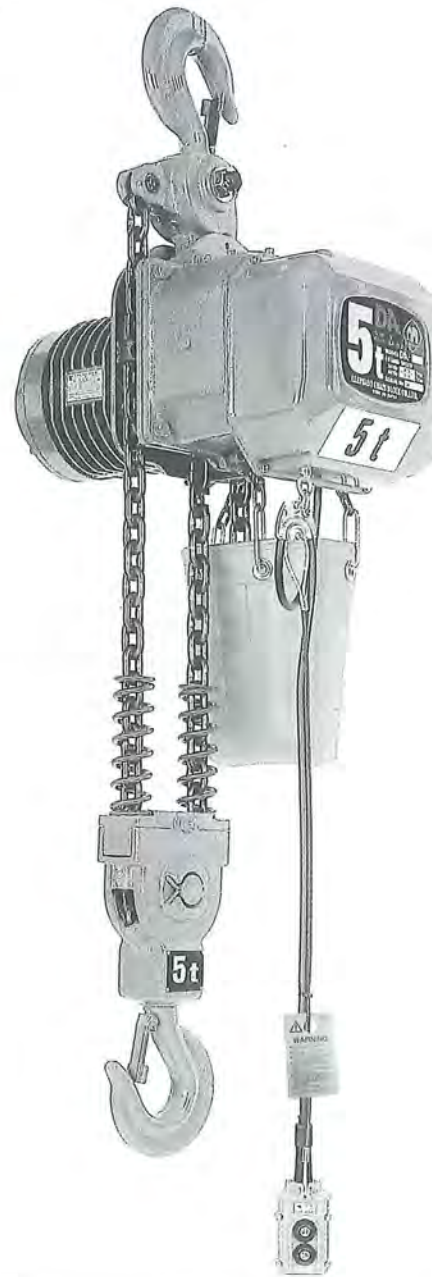
2 push button type (DA)



2 push button type (DB)



2 push button type (DA·DB)



## DA type(single speed)/DB type(double speed)

### 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) (DB)High:Low speed	Lifting speed(m/min) (DB)High : Low speed		Minimum distance H(mm)	Ampere (A) [220V]	Net weight(kg)
							50Hz	60Hz			
DA-0.25	0.25	0.313	3 6	2.5 5.5	5.6×1	0.5	7.8	9.3	525	2.5	51(53)
DA-0.5	0.5	0.625	3 6	2.5 5.5	6.3×1	0.9	7.3	8.6	530	4.5	56(59)
DA-1W	1	1.25	3 6	2.5 5.5	6.3×2	0.9	3.6	4.3	705	4.5	63(69)
DA-1S	1	1.25	3 6	2.5 5.5	7.1×1	1.7	6.8	8.2	585	8.7	72(76)
DA-1.5	1.5	1.88	3 6	2.5 5.5	9.5×1	3.4	8.7	10.3	735	15.3	120(127)
DA-2W	2	2.5	3 6	2.5 5.5	7.1×2	1.7	3.4	4.1	790	8.7	84(91)
DA-2S	2	2.5	3 6	2.5 5.5	11.2×1	3.4	6.9	8.1	735	15.3	124(133)
DA-2.5	2.5	3.13	4	3.5	11.2×1	3.4	5.5	6.5	735	15.3	128
DA-3	3	3.75	4	3.5	9.5×2	3.4	4.35	5.15	940	15.3	145
DA-5	5	6.25	4	3.5	11.2×2	3.4	2.75	3.25	1045	15.3	163
DA-10	10	12.5	4	3.5	11.2×4	3.4×2	2.7	3.2	1390	15.3	396
DB-0.25	0.25	0.313	3 6	2.5 5.5	5.6×1	0.5:0.17	7.8:2.6	9.3:3.1	525	2.6	56(59)
DB-0.5	0.5	0.625	3 6	2.5 5.5	6.3×1	0.9:0.3	7.3:2.4	8.6:2.8	530	4.7	62(66)
DB-1W	1	1.25	3 6	2.5 5.5	6.3×2	0.9:0.3	3.6:1.2	4.3:1.4	705	4.7	69(76)
DB-1S	1	1.25	3 6	2.5 5.5	7.1×1	1.7:0.57	6.8:2.2	8.2:2.7	585	9.2	79(84)
DB-1.5	1.5	1.88	3 6	2.5 5.5	9.5×1	3.4:1.14	8.7:2.9	10.3:3.4	735	16.0	136(144)
DB-2W	2	2.5	3 6	2.5 5.5	7.1×2	1.7:0.57	3.4:1.1	4.1:1.3	790	9.2	92(100)
DB-2S	2	2.5	3 6	2.5 5.5	11.2×1	3.4:1.14	6.9:2.3	8.1:2.7	735	16.0	141(150)
DB-2.5	2.5	3.13	3 6	2.5 5.5	11.2×1	3.4:1.14	5.5:1.8	6.5:2.1	735	16.0	144
DB-3	3	3.75	4	3.5	9.5×2	3.4:1.14	4.35:1.4	5.15:1.7	940	16.0	162
DB-5	5	6.25	4	3.5	11.2×2	3.4:1.14	2.75:0.9	3.25:1.0	1045	16.0	179

1) The number bracketed in "Net weight" indicates 6m lift. 2) The length of power cord is 4core-5m (standard).  
3) Current ampere depends on the voltage and length of power cord.

### DIMENSIONS

MODEL	A	B	C	D	E	F
DA-0.25/DB-0.25	528/563	267/276	261/287	276	168	108
DA-0.5/DB-0.5	528/590	267/303	261/287	276	168	108
DA-1W/DB-1W	528/590	267/303	261/287	276	208	68
DA-1S/DB-1S	564/619	290/321	274/298	301	174	127
DA-1.5/DB-1.5	655/717	342/372	313/345	372	198	174
DA-2W/DB-2W	564/619	290/321	274/298	301	219	82
DA-2S/DB-2S	655/717	342/372	313/345	372	198	174
DA-2.5/DB-2.5	655/717	342/372	313/345	372	198	174
DA-3/DB-3	655/717	342/372	313/345	372	258	114
DA-5/DB-5	655/717	342/372	313/345	375	273	102
DA-10	684	342	342	960	373	—

1) The dimensions D,E depends on the lift. 2) For top and bottom hooks, see page 17.

# ELECTRIC CHAIN BLOCK WITH ELECTRIC TROLLEY

4 push button type (DA)  
For monorail

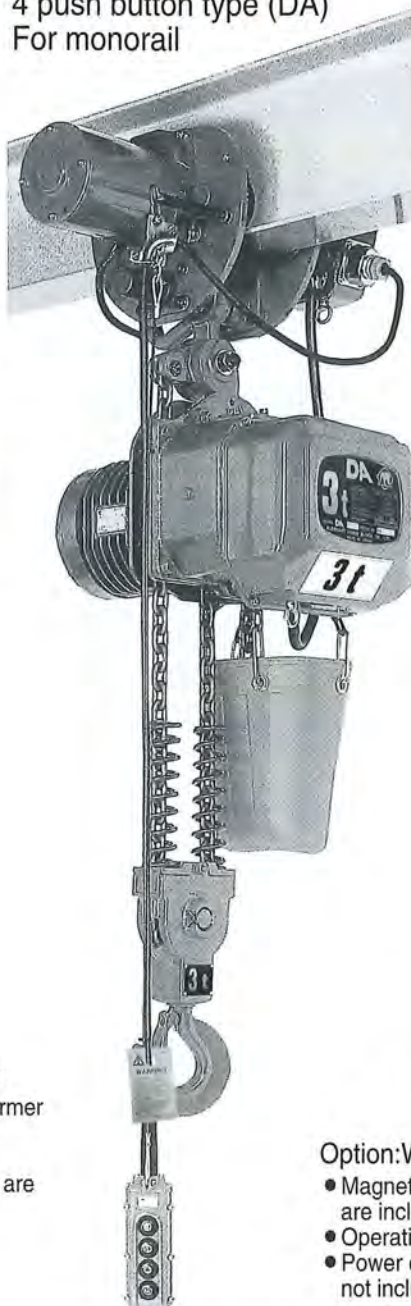


6 push button type (DA)  
For crane



Option: Wiring box for saddle  
 • Magnetic contactor and transformer are included.  
 • Operating voltage is 24V  
 • Power cord and operating cord are not included

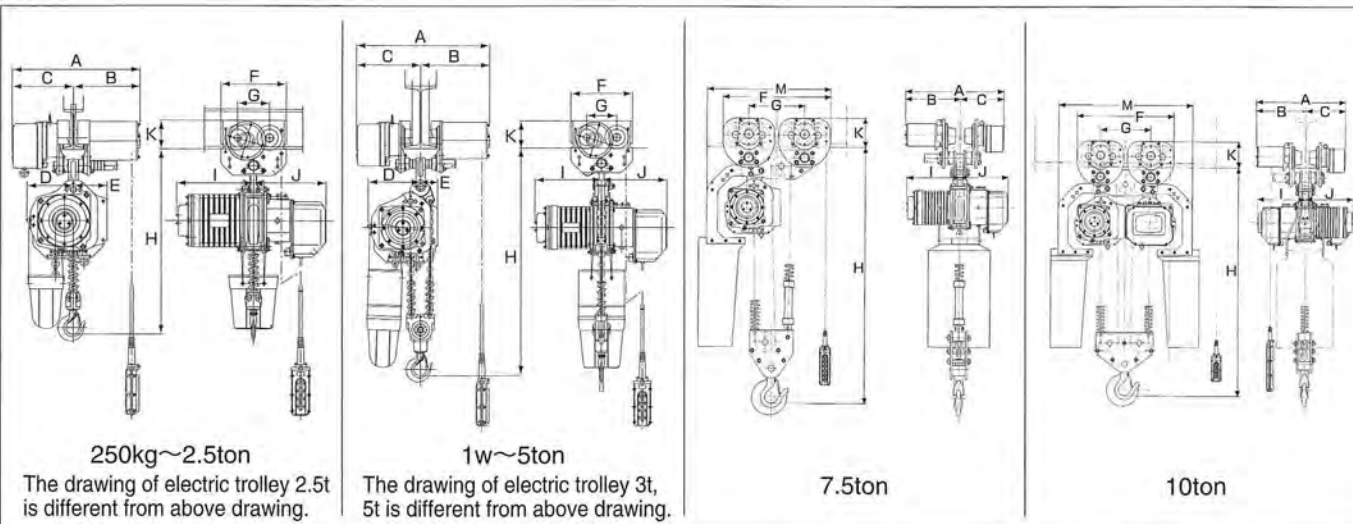
4 push button type (DA)  
For monorail



6 push button type (DA)  
For crane



Option: Wiring box for saddle  
 • Magnetic contactor and transformer are included.  
 • Operating voltage is 24V  
 • Power cord and operating cord are not included



## DAM type/DAMB type SPECIFICATION

Model No.	W.L.L. (ton)	Test load (ton)	Standard lift(m)	Standard push button cord length(m)	Lifting motor output(kw)	Traversing motor output (kw)	Lifting speed(m/min)		Traversing speed (m/min)		Minimum distance H(mm)	Traversing I beam width	Trolley minimum radius(mm)	Net weight(kg)
							50Hz	60Hz	50Hz	60Hz				
DAM-0.25	0.25	0.313	3 6	2.5 5.5	0.5	0.4	7.8	9.3	20 (MAF) or 10 (MAS)	24 (MAF) or 12 (MAS)	570	75	1100 (800)	73(77)
DAM-0.5	0.5	0.625	3 6	2.5 5.5	0.9		7.3	8.6			575	100		75(79)
DAM-1W	1	1.25	3 6	2.5 5.5	0.9		3.6	4.3			740	125		92(102)
DAM-1S	1	1.25	3 6	2.5 5.5	1.7		6.8	8.2			620	150	101(106)	
DAM-1.5	1.5	1.88	3 6	2.5 5.5	3.4		8.7	10.3			735		192(200)	
DAM-2W	2	2.5	3 6	2.5 5.5	1.7		3.4	4.1			795	100*	1500 (800)	124(133)
DAM-2S	2	2.5	3 6	2.5 5.5	3.4		6.9	8.1			735	125	197(206)	
DAM-2.5	2.5	3.13	4	3.5	3.4		5.5	6.5			745	150	1500 (1000)	192
DAM-3	3	3.75	4	3.5	3.4		0.75	4.35			5.15	955		209
DAM-5	5	6.25	4	3.5	3.4			2.75			3.25	1060	125	2000 (1000)
DAM-7.5	7.5	9.38	4	3.5	3.4	0.75x2	1.8	2.1	1205	150	∞	480		
DAM-10	10	12.5	4	3.5	3.4x2		2.7	3.2	1185	175	∞	619		
DAMB-0.25	0.25	0.313	3 6	2.5 5.5	0.5	0.1:0.4	7.8	9.3	5:20	6:24	570	75	1100 (800)	73(77)
DAMB-0.5	0.5	0.625	3 6	2.5 5.5	0.9		7.3	8.6			575	100		75(79)
DAMB-1W	1	1.25	3 6	2.5 5.5	0.9		3.6	4.3			740	125		92(102)
DAMB-1S	1	1.25	3 6	2.5 5.5	1.7		6.8	8.2			620	150	101(106)	
DAMB-1.5	1.5	1.88	3 6	2.5 5.5	3.4		8.7	10.3			735		192(200)	
DAMB-2W	2	2.5	3 6	2.5 5.5	1.7		3.4	4.1			795	100*	1500 (800)	124(133)
DAMB-2S	2	2.5	3 6	2.5 5.5	3.4		6.9	8.1			735	125	197(206)	
DAMB-2.5	2.5	3.13	4	3.5	3.4		5.5	6.5			745	150	1500 (1000)	192
DAMB-3	3	3.75	4	3.5	3.4		0.19:0.75	4.35			5.15	955		209
DAMB-5	5	6.25	4	3.5	3.4			2.75			3.25	1060	125	2000 (1000)
DAMB-7.5	7.5	9.38	4	3.5	3.4	0.19:0.75 x2	1.8	2.1	1205	150	∞	480		
DAMB-10	10	12.5	4	3.5	3.4x2		2.7	3.2	1185	175	∞	619		

1) The number bracketed in "Net weight" indicates 6m lift.  
 2) 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.  
 3) When you need 6 push button for crane instead of 4 push button, "C" should be added to the end of model name.  
 4) We can supply the special electric trolley of which "Trolley mini radius" is the number bracketed off.  
 \*mark—When you install more than 2.5 ton chain block to I beam width 100mm, please note that the strength of the rail may not be enough depends on the span.

## DIMENSIONS

MODEL	A	B	C	γ	D	E	F	G	I	J	K	M
DAM/DAMB-0.25	482+2β	251+β	231+β	75	168	108	246	120	267	261	108	—
DAM/DAMB-0.5	482+2β	251+β	231+β	75	168	108	246	120	267	261	108	—
DAM/DAMB-1W	482+2β	251+β	231+β	75	208	68	246	120	267	261	108	—
DAM/DAMB-1S	482+2β	251+β	231+β	75	174	127	246	120	290	274	108	—
DAM/DAMB-1.5	516+2β	268+β	248+β	100	198	174	324	148	342	313	122	—
DAM/DAMB-2W	516+2β	268+β	248+β	100	219	82	324	148	290	274	122	—
DAM/DAMB-2S	516+2β	268+β	248+β	100	198	174	324	148	342	313	122	—
DAM/DAMB-2.5	574+2β	323+β	251+β	100	198	174	316	160	342	313	167	—
DAM/DAMB-3	574+2β	323+β	251+β	100	258	114	316	160	342	313	167	—
DAM/DAMB-5	612+2β	342+β	270+β	125	273	102	336	170	342	313	172	—
DAM/DAMB-10	612+2β	342+β	270+β	125	—	—	696	360	342	313	172	798

1) The dimensions D,E depends on the lift. 2) For the dimensions β and γ, see page 16.  
 3) The dimension K is in case of that "Traversing I beam width" is minimum.  
 \*The specification and dimensions may be changed without prior notice for improvement.

# ELECTRIC CHAIN BLOCK WITH ELECTRIC TROLLEY

4 push button type (DB)  
For monorail

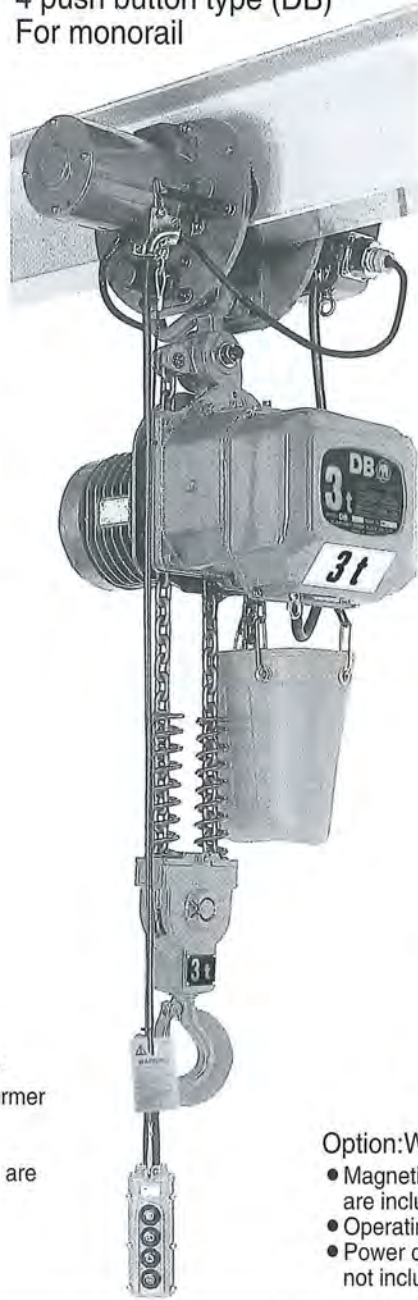


6 push button type (DB)  
For crane



Option:Wiring box for saddle  
 • Magnetic contactor and transformer are included.  
 • Operating voltage is 24V  
 • Power cord and operating cord are not included

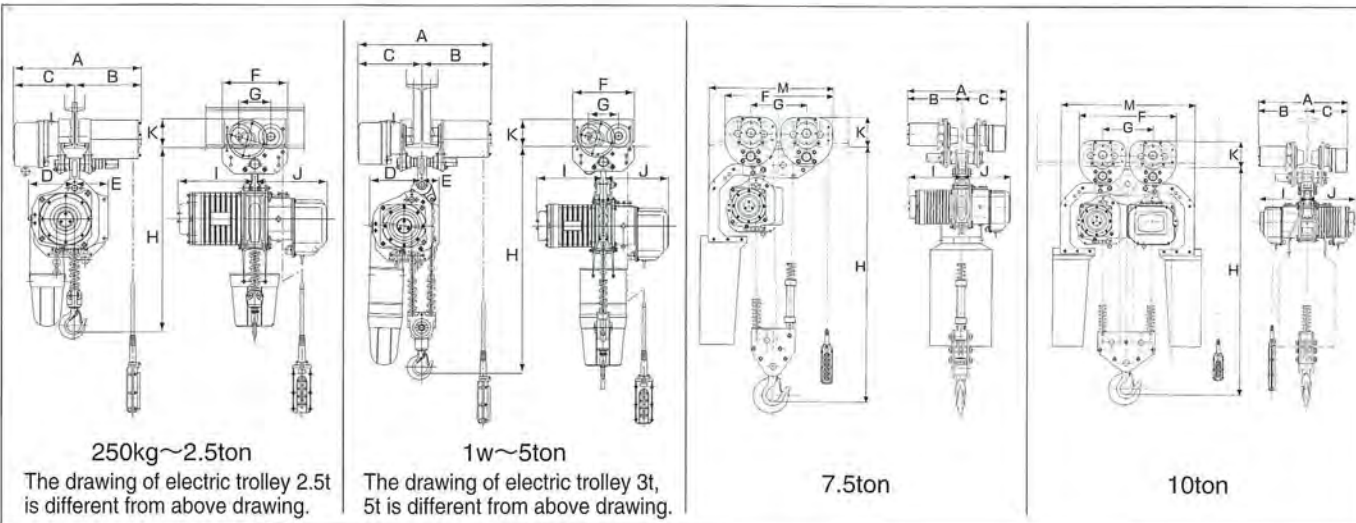
4 push button type (DB)  
For monorail



6 push button type (DB)  
For crane



Option:Wiring box for saddle  
 • Magnetic contactor and transformer are included.  
 • Operating voltage is 24V  
 • Power cord and operating cord are not included



## DBM type/DBMB type SPECIFICATION

Model No.	W.L.L. (ton)	Test load (ton)	Standard lift(m)	Standard push button cord length(m)	Lifting motor output(kw) High:Low speed	Traversing motor output (kw)	Lifting speed(m/min) High : Low speed		Traversing speed (m/min)		Minimum distance H(mm)	Traversing I beam width	Trolley minimum radius(mm)	Net weight(kg)
							50Hz	60Hz	50Hz	60Hz				
DBM-0.25	0.25	0.313	3 6	2.5 5.5	0.5:0.17	0.4	7.8:2.6	9.3:3.1	20 (MAF) or 10 (MAS)	24 (MAF) or 12 (MAS)	570	75	1100 (800)	87(91)
DBM-0.5	0.5	0.625	3 6	2.5 5.5	0.9:0.3		7.3:2.4	8.6:2.8			575	100		91(96)
DBM-1W	1	1.25	3 6	2.5 5.5	0.9:0.3		3.6:1.2	4.3:1.4			740	125		111(119)
DBM-1S	1	1.25	3 6	2.5 5.5	1.7:0.57		6.8:2.2	8.2:2.7			620	150	121(126)	
DBM-1.5	1.5	1.88	3 6	2.5 5.5	3.4:1.14		8.7:2.9	10.3:3.4			735	100*	213(220)	
DBM-2W	2	2.5	3 6	2.5 5.5	1.7:0.57		3.4:1.1	4.1:1.3			795	125	144(153)	
DBM-2S	2	2.5	3 6	2.5 5.5	3.4:1.14		6.9:2.3	8.1:2.7			735	150	217(227)	
DBM-2.5	2.5	3.13	4	3.5	3.4:1.14		5.5:1.8	6.5:2.1			745	150	209	
DBM-3	3	3.75	4	3.5	3.4:1.14		0.75	4.35:1.4			5.15:1.7	955	125	226
DBM-5	5	6.25	4	3.5	3.4:1.14			2.75:0.9			3.25:1.0	1060	125	263
DBM-7.5	7.5	9.38	4	3.5	3.4:1.14	0.75x2	1.83:0.6	2.16:0.7	1205	150	514			
DBM-10	10	12.5	4	3.5	3.4:1.14 x2		2.75:0.9	3.25:1.0	1185	175	653			
DBMB-0.25	0.25	0.313	3 6	2.5 5.5	0.5:0.17	0.1:0.4	7.8:2.6	9.3:3.1	5:20	6:24	570	75	1100 (800)	87(91)
DBMB-0.5	0.5	0.625	3 6	2.5 5.5	0.9:0.3		7.3:2.4	8.6:2.8			575	100		91(96)
DBMB-1W	1	1.25	3 6	2.5 5.5	0.9:0.3		3.6:1.2	4.3:1.4			740	125		111(119)
DBMB-1S	1	1.25	3 6	2.5 5.5	1.7:0.57		6.8:2.2	8.2:2.7			620	150	121(126)	
DBMB-1.5	1.5	1.88	3 6	2.5 5.5	3.4:1.14		8.7:2.9	10.3:3.4			735	100*	213(220)	
DBMB-2W	2	2.5	3 6	2.5 5.5	1.7:0.57		3.4:1.1	4.1:1.3			795	125	144(153)	
DBMB-2S	2	2.5	3 6	2.5 5.5	3.4:1.14		6.9:2.3	8.1:2.7			735	150	217(227)	
DBMB-2.5	2.5	3.13	4	3.5	3.4:1.14		5.5:1.8	6.5:2.1			745	150	209	
DBMB-3	3	3.75	4	3.5	3.4:1.14		0.19:0.75	4.35:1.4			5.15:1.7	955	125	226
DBMB-5	5	6.25	4	3.5	3.4:1.14			2.75:0.9			3.25:1.0	1060	125	263
DBMB-7.5	7.5	9.38	4	3.5	3.4:1.14	0.19:0.75 x2	1.83:0.6	2.16:0.7	1205	150	514			
DBMB-10	10	12.5	4	3.5	3.4:1.14 x2		2.75:0.9	3.25:1.0	1185	175	653			

1) The number bracketed in "Net weight" indicates 6m lift.  
 2) 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.  
 3) When you need 6 push button for crane instead of 4 push button, "C" should be added to the end of model name.  
 4) We can supply the special electric trolley of which "Trolley mini radius" is the number bracketed off.  
 \*mark—When you install more than 2.5 ton chain block to I beam width 100mm, please note that the strength of the rail may not be enough depends on the span.

## DIMENSIONS

MODEL	A	B	C	γ	D	E	F	G	I	J	K	M
DBM/DBMB-0.25	482+2β	251+β	231+β	75	168	108	246	120	276	287	108	—
DBM/DBMB-0.5	482+2β	251+β	231+β	75	168	108	246	120	303	287	108	—
DBM/DBMB-1W	482+2β	251+β	231+β	75	208	68	246	120	303	287	108	—
DBM/DBMB-1S	482+2β	251+β	231+β	75	174	127	246	120	321	298	108	—
DBM/DBMB-1.5	516+2β	268+β	248+β	100	198	174	324	148	372	345	122	—
DBM/DBMB-2W	516+2β	268+β	248+β	100	219	82	324	148	321	298	122	—
DBM/DBMB-2S	516+2β	268+β	248+β	100	198	174	324	148	372	345	122	—
DBM/DBMB-2.5	574+2β	323+β	251+β	100	198	174	316	160	372	345	167	—
DBM/DBMB-3	574+2β	323+β	251+β	100	258	114	316	160	372	345	167	—
DBM/DBMB-5	612+2β	342+β	270+β	125	273	102	336	170	372	345	172	—
DBM/DBMB-10	612+2β	342+β	270+β	125	—	—	696	360	342	342	172	960

1) The dimensions D,E depends on the lift. 2) For the dimensions β and γ, see page 16.  
 3) The dimension K is in case of that "Traversing I beam width" is minimum.

# ELECTRIC CHAIN BLOCK WITH GEARED TROLLEY

2 push button type (DA·DB)  
For monorail



4 push button type  
(DA·DB)  
For crane



Option:Wiring box for saddle  
 • Magnetic contactor and transformer are included.  
 • Operating voltage is 24V  
 • Power cord and operating cord are not included

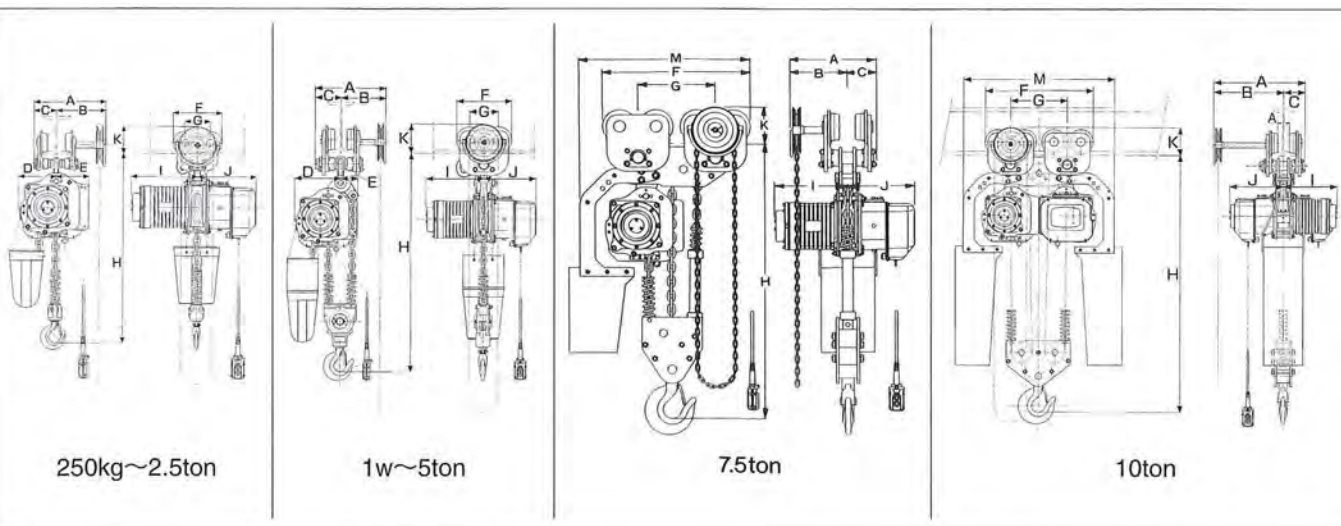
2 push button type (DA·DB)  
For monorail



4 push button type  
(DA·DB)  
For crane



Option:Wiring box for saddle  
 • Magnetic contactor and transformer are included.  
 • Operating voltage is 24V  
 • Power cord and operating cord are not included



## DAG type/DBG type SPECIFICATION

Model No.	W.L.L. (ton)	Test load (ton)	Standard lift(m)	Standard push button cord length(m)	Lifting motor output(kw) (DB)High/Low speed	Lifting speed(m/min) (DB)High : Low speed		Trolley Traverse distance on pulling (m hand chain(mm))	Hand chain effort (approx.) (kg)	Minimum distance H(mm)	Traversing I beam width	Trolley minimum radius(mm)	Net weight(kg)
						50Hz	60Hz						
DAG-0.25	0.25	0.313	3 6	2.5 5.5	0.5	7.8	9.3	115	1	545	75	900	64(69)
DAG-0.5	0.5	0.625	3 6	2.5 5.5	0.9	7.3	8.6	115	2	550	100	900	68(75)
DAG-1W	1	1.25	3 6	2.5 5.5	0.9	3.6	4.3	94	3.5	715	125	1100	81(91)
DAG-1S	1	1.25	3 6	2.5 5.5	1.7	6.8	8.2	94	3.5	595		1100	89(97)
DAG-1.5	1.5	1.88	3 6	2.5 5.5	3.4	8.7	10.3	81	4	725		1200	145(156)
DAG-2W	2	2.5	3 6	2.5 5.5	1.7	3.4	4.1	81	5.5	785	100*	1200	109(120)
DAG-2S	2	2.5	3 6	2.5 5.5	3.4	6.9	8.1	81	5.5	725	125	1200	149(162)
DAG-2.5	2.5	3.13	4	3.5	3.4	5.5	6.5	84	7	735	150	1700	161
DAG-3	3	3.75	4	3.5	3.4	4.35	5.15	84	8	950		1700	178
DAG-5	5	6.25	4	3.5	3.4	2.75	3.25	72	11.5	1055	125	2300	214
DAG-7.5	7.5	9.38	4	3.5	3.4	1.8	2.1	61	15	1185	150	∞	374
DAG-10	10	12.5	4	3.5	3.4×2	2.7	3.2	61	19	1165	175	∞	513
DBG-0.25	0.25	0.313	3 6	2.5 5.5	0.5:0.17	7.8:2.6	9.3:3.1	115	1	545	75	900	69(75)
DBG-0.5	0.5	0.625	3 6	2.5 5.5	0.9:0.3	7.3:2.4	8.6:2.8	115	2	550	100	900	75(81)
DBG-1W	1	1.25	3 6	2.5 5.5	0.9:0.3	3.6:1.2	4.3:1.4	94	3.5	715	125	1100	87(97)
DBG-1S	1	1.25	3 6	2.5 5.5	1.7:0.57	6.8:2.2	8.2:2.7	94	3.5	595		1100	96(105)
DBG-1.5	1.5	1.88	3 6	2.5 5.5	3.4:1.14	8.7:2.9	10.3:3.4	81	4	725		1200	162(173)
DBG-2W	2	2.5	3 6	2.5 5.5	1.7:0.57	3.4:1.1	4.1:1.3	81	5.5	785	100*	1200	116(128)
DBG-2S	2	2.5	3 6	2.5 5.5	3.4:1.14	6.9:2.3	8.1:2.7	81	5.5	725	125	1200	166(179)
DBG-2.5	2.5	3.13	4	3.5	3.4:1.14	5.5:1.8	6.5:2.1	84	7	735	150	1700	177
DBG-3	3	3.75	4	3.5	3.4:1.14	4.35:1.4	5.15:1.7	84	8	950		1700	194
DBG-5	5	6.25	4	3.5	3.4:1.14	2.75:0.9	3.25:1.0	72	11.5	1055	125·150·175	2300	231

1) The number bracketed in "Net weight" indicates 6m lift.  
 2) The length of power cord in standard is 4 core-0.5m in case of 2 push button, 7 core-0.5m in case of 4 push button.  
 3) When you need 4 push button for crane instead of 2 push button, "C" should be added to the end of model name.  
 4) We can supply geared trolley of which I beam width is special.  
 \*mark—When you install more than 2.5 ton chain block to I beam width 100mm, please note that the strength of the rail may not be enough depends on the span.

## DIMENSIONS

MODEL	A	B	C	γ	D	E	F	G	I	J	K	M
DAG-0.25/DBG-0.25	344	218+β	126-β	75	168	108	190	100	267/276	261/287	92	—
DAG-0.5/DBG-0.5	344	218+β	126-β	75	168	108	190	100	267/303	261/287	92	—
DAG-1W/DBG-1W	349	223+β	126-β	75	208	68	221	116	267/303	261/287	104	—
DAG-1S/DBG-1S	349	223+β	126-β	75	174	127	221	116	290/321	274/298	104	—
DAG-1.5/DBG-1.5	380	236+β	144-β	100	198	174	259	136	342/372	313/345	134	—
DAG-2W/DBG-2W	380	236+β	144-β	100	219	82	259	136	290/321	274/298	134	—
DAG-2S/DBG-2S	380	236+β	144-β	100	198	174	259	136	342/372	313/345	134	—
DAG-2.5/DBG-2.5	385	237+β	148-β	100	198	174	288	150	342/372	313/345	142	—
DAG-3/DBG-3	385	237+β	148-β	100	258	114	288	150	342/372	313/345	142	—
DAG-5/DBG-5	452	255+β	166-β	125	273	102	327	169	342/372	313/345	167	—
DAG-7.5·DAG-10	423/596+2β	255/428+β	168/168-β	125	—	—	687	360	342	313/342	167	793/960

1) The dimensions D,E depends on the lift. 2) For the dimensions β and γ, see page 16.  
 3) The dimension K is in case of that "Traversing I beam width" is minimum.  
 \*The specification and dimensions may be changed without prior notice for improvement. 10

# ELECTRIC CHAIN BLOCK WITH PLAIN TROLLEY

2 push button type (DA·DB)  
For monorail



4 push button type  
(DA·DB)  
For crane



Option:Wiring box for saddle

- Magnetic contactor and transformer are included.
- Operating voltage is 24V
- Power cord and operating cord are not included

2 push button type (DA·DB)  
For monorail

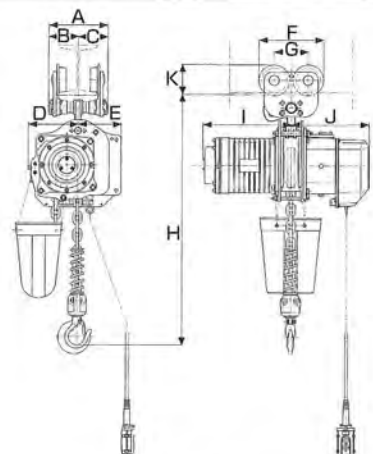


4 push button type  
(DA·DB)  
For crane

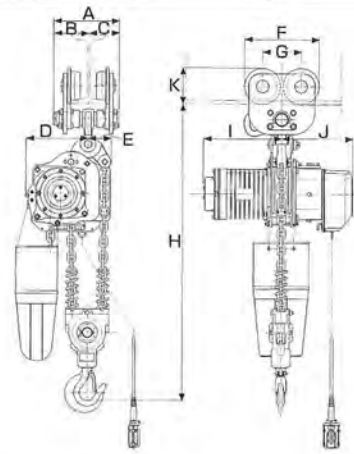


Option:Wiring box for saddle

- Magnetic contactor and transformer are included.
- Operating voltage is 24V
- Power cord and operating cord are not included



250kg~2.5ton



1w~5ton

## DAP type/DBP type

### SPECIFICATION

Model No.	W.L.L. (ton)	Test load (ton)	Standard lift(m)	Standard push button cord length(m)	Lifting motor output(kw) (DB)High:Low speed	Lifting speed(m/min) (DB)High : Low speed		Minimum distance H(mm)	Traversing I beam width	Trolley minimum radius(mm)	Net weight(kg)
						50Hz	60Hz				
DAP-0.25	0.25	0.313	3 6	2.5 5.5	0.5	7.8	9.3	545	75 • 100 • 125	900	58(61)
DAP-0.5	0.5	0.625	3 6	2.5 5.5	0.9	7.3	8.6	550		900	63(67)
DAP-1W	1	1.25	3 6	2.5 5.5	0.9	3.6	4.3	715		1100	73(79)
DAP-1S	1	1.25	3 6	2.5 5.5	1.7	6.8	8.2	595		1100	81(85)
DAP-1.5	1.5	1.88	3 6	2.5 5.5	3.4	8.7	10.3	725	100* • 125 • 150	1200	137(144)
DAP-2W	2	2.5	3 6	2.5 5.5	1.7	3.4	4.1	785		1200	100(108)
DAP-2S	2	2.5	3 6	2.5 5.5	3.4	6.9	8.1	725		1200	140(149)
DAP-2.5	2.5	3.13	4	3.5	3.4	5.5	6.5	735		1700	152
DAP-3	3	3.75	4	3.5	3.4	4.35	5.15	950		1700	169
DAP-5	5	6.25	4	3.5	3.4	2.75	3.25	1055	125*150* 175	2300	205
DBP-0.25	0.25	0.313	3 6	2.5 5.5	0.5:0.17	7.8:2.6	9.3:3.1	545	75 • 100 • 125	900	64(67)
DBP-0.5	0.5	0.625	3 6	2.5 5.5	0.9:0.3	7.3:2.4	8.6:2.8	550		900	69(73)
DBP-1W	1	1.25	3 6	2.5 5.5	0.9:0.3	3.6:1.2	4.3:1.4	715		1100	79(86)
DBP-1S	1	1.25	3 6	2.5 5.5	1.7:0.57	6.8:2.2	8.2:2.7	595		1100	89(93)
DBP-1.5	1.5	1.88	3 6	2.5 5.5	3.4:1.14	8.7:2.9	10.3:3.4	725	100* • 125 • 150	1200	153(160)
DBP-2W	2	2.5	3 6	2.5 5.5	1.7:0.57	3.4:1.1	4.1:1.3	785		1200	108(116)
DBP-2S	2	2.5	3 6	2.5 5.5	3.4:1.14	6.9:2.3	8.1:2.7	725		1200	157(167)
DBP-2.5	2.5	3.13	3 6	2.5 5.5	3.4:1.14	5.5:1.8	6.5:2.1	735		1700	168
DBP-3	3	3.75	4	3.5	3.4:1.14	4.35:1.4	5.15:1.7	950		1700	185
DBP-5	5	6.25	4	3.5	3.4:1.14	2.75:0.9	3.25:1.0	1055	125*150* 175	2300	221

1) The number bracketed in "Net weight" indicates 6m lift.

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

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

4) We can supply plain trolley of which I beam width is special.

\*mark—When you install more than 2.5 ton chain block to I beam width 100mm, please note that the strength of the rail may not be enough depends on the span.

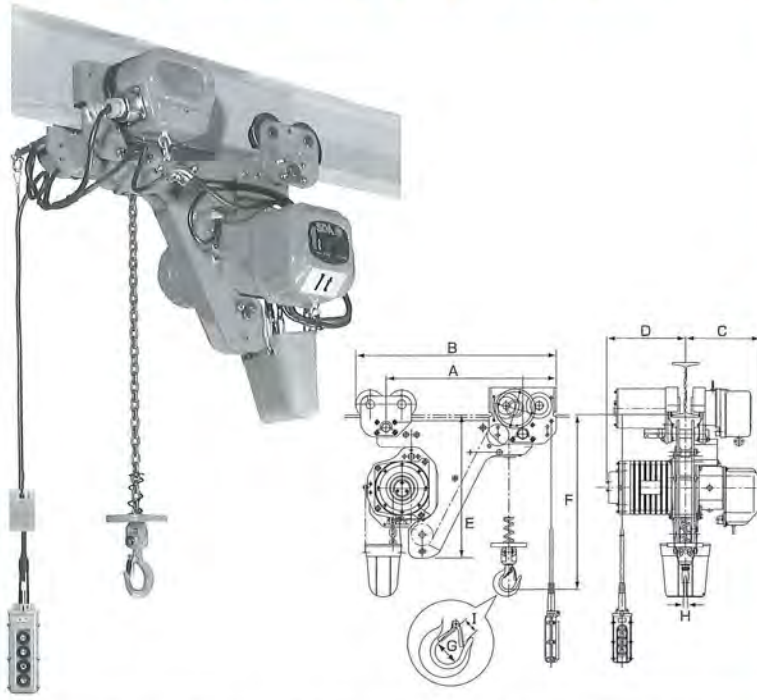
### DIMENSIONS

MODEL	A	B	C	γ	D	E	F	G	I	J	K
DAP-0.25/DBP-0.25	201	75+β	126-β	75	168	108	190	100	267/276	261/287	92
DAP-0.5/DBP-0.5	201	75+β	126-β	75	168	108	190	100	267/303	261/287	92
DAP-1W/DBP-1W	199	73+β	126-β	75	208	68	221	116	267/303	261/287	104
DAP-1S/DBP-1S	199	73+β	126-β	75	174	127	221	116	290/321	274/298	104
DAP-1.5/DBP-1.5	238	94+β	144-β	100	198	174	259	136	342/372	313/345	134
DAP-2W/DBP-2W	238	94+β	144-β	100	219	82	259	136	290/321	274/298	134
DAP-2S/DBP-2S	238	94+β	144-β	100	198	174	259	136	342/372	313/345	134
DAP-2.5/DBP-2.5	246	98+β	148-β	100	198	174	288	150	342/372	313/345	142
DAP-3/DBP-3	246	98+β	148-β	100	258	114	288	150	342/372	313/345	142
DAP-5/DBP-5	289	123+β	166-β	125	273	102	327	169	342/372	313/345	167

1) The dimensions D,E depends on the lift. 2) For the dimensions β and γ, see page 16.

3) The dimension K is in case of that "Traversing I beam width" is minimum.

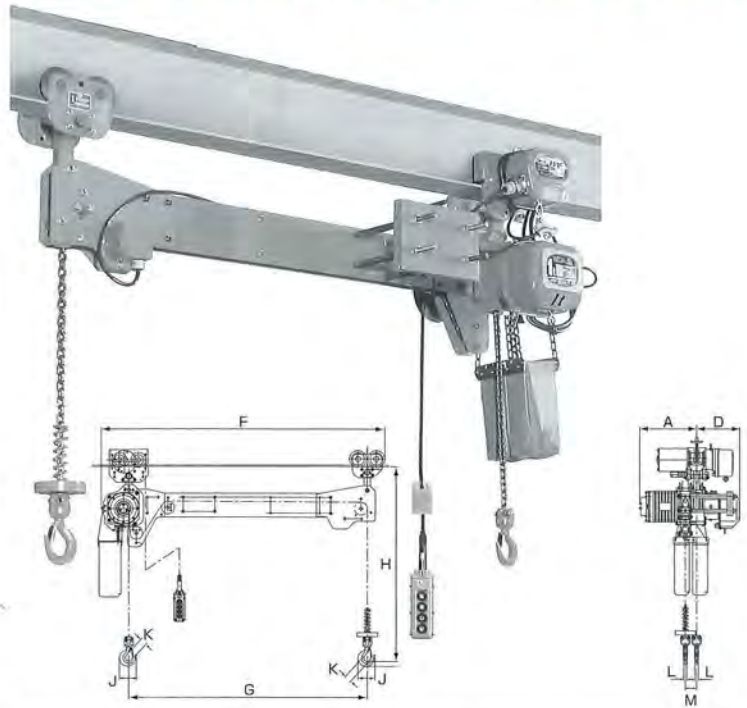
## LOW HEAD ELECTRIC CHAIN HOIST



Model	Capacity (ton)	Test load (ton)	Standard lift (m)	Push button length (m)	Load chain Diameter X Number of falls	Lifting motor output (kW)	Traversing motor output (kW)	Lifting speed (m/min)		Traversing speed (m/min)		Headroom (mm)	I beam width (mm)	A	B	C	D	E	F	G	H	I								
								50Hz single-speed	60Hz double-speed	High speed (standard)	Low speed (50Hz/60Hz)																			
SDAM-0.25	250kg	313kg	3 or 6	2.5 or 5.5	6.3X1	0.9	0.4	0.4	7.3	8.6	20/24 or 20:5/24:6	10/12	365	100-125	470	704	261	267	483	365	43	14	26							
SDAM-0.5	0.5	625kg			6.3X1	0.5			4.8	5.7			365		470	704	261	303	483	365	43	14	26							
SDAM-1W	1	1.25			6.3X2	0.9			3.6	4.3			475		470	704	261	267	483	475	50	15	31							
SDAM-1S	1	1.25			7.1X1	1.1			4.5	5.4			420		500	734	273	320	524	420	50	15	31							
SDAM-1.5	1.5	1.88			9.5X1	3.4			5.6	6.8			480		610	902	312	341	613	480	65	26	38							
SDAM-2W	2	2.5			7.1X2	1.7			3.4	4.1			510		510	802	273	290	538	510	65	26	38							
SDAM-2S	2	2.5	11.2X1	3.4	5.5	6.5	520	630	922	312	341	635	520	65	26	38														
SDAM-2.5	2.5	3.13	4	3.5	11.2X1	2.5	0.75	0.75	3.6	4.3	20:5/24:6	10/12	560	125-150	630	932	312	371	639	560	65	26	38							
SDAM-3	3	3.75			9.5X2	3.4			4.35	5.15			640		610	912	312	341	617	640	60	32	44							
SDAM-5	5	6.25			11.2X2	3.4			2.75	3.25			730		670	1002	312	341	675	730	70	35	48							
SDBM-0.25	250kg	313kg			3 or 6	2.5 or 5.5			6.3X1	0.9 : 0.3			0.4 or 0.4 : 0.1		0.4 or 0.4 : 0.1	7.3 : 2.4	8.6 : 2.8	20/24 or 20:5/24:6	10/12	365	100-125	470	704	287	303	483	365	43	14	26
SDBM-0.5	0.5	625kg							6.3X1	0.9 : 0.3						7.3 : 2.4	8.6 : 2.8			365		470	704	287	303	483	365	43	14	26
SDBM-1W	1	1.25	6.3X2	0.9 : 0.3			3.6 : 1.2	4.3 : 1.4	475	470	704	287		303		483	475			50		15	31							
SDBM-1S	1	1.25	7.1X1	1.7 : 0.57			6.8 : 2.2	8.2 : 2.7	420	500	734	297		320		524	420			50		15	31							
SDBM-1.5	1.5	1.88	9.5X1	3.4 : 1.14			5.6 : 1.9	6.8 : 2.3	480	610	902	344		371		613	480			65		26	38							
SDBM-2W	2	2.5	7.1X2	1.7 : 0.57			3.4 : 1.1	4.1 : 1.3	510	510	902	297		320		538	510			65		26	38							
SDBM-2S	2	2.5	11.2X1	3.4 : 1.14	5.5 : 1.8	6.5 : 2.1	520	630	922	344	371	635	520	65	26	38														
SDBM-2.5	2.5	3.13	4	3.5	11.2X1	3.4 : 1.14	0.75 or 0.75 : 0.19	0.75 or 0.75 : 0.19	5.5 : 1.8	6.5 : 2.1	20:5/24:6	10/12	560	150-175	630	932	344	371	639	560	65	26	38							
SDBM-3	3	3.75			9.5X2	3.4 : 1.14			4.35 : 1.4	5.15 : 1.7			640		610	912	344	371	617	640	60	32	44							
SDBM-5	5	6.25			11.2X2	3.4 : 1.14			2.75 : 0.9	3.25 : 1.0			730		670	1002	344	371	675	730	70	35	48							

- 1) The standard length of power cord 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.

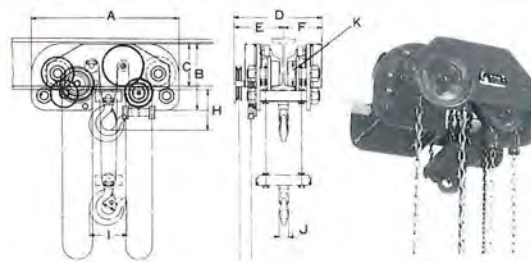
## SYNCHRONIZED ELECTRIC CHAIN HOIST



Model	Capacity (ton)	Test load (ton)	Standard lift (m)	Push button length (m)	Load chain Diameter X Number of falls	Lifting motor output (kW)	Traversing motor output (kW)	Lifting speed (m/min)		Traversing speed (m/min)		Headroom (mm)	I beam width (mm)	A	D	F	G	J	K	L	M									
								50Hz single-speed	60Hz double-speed	High speed (standard)	Low speed (50Hz/60Hz)																			
WDAM-0.25	250kg	313kg	3 or 6	2.5 or 5.5	6.3X1	0.9	0.4 or 0.4 : 0.1	0.4 or 0.4 : 0.1	7.4	8.7	20/24 or 20:5/24:6	10/12	628	75 · 100 · 125	331	261	G+263	※ (600) 1000 5 4000	84	43	14	64								
WDAM-0.5	0.5	625kg			6.3X1	0.9			7.3	8.6			628		331	261	G+263		84	43	14	64								
WDAM-1W	1	1.25			6.3X2	0.9			3.6	4.3			815		331	261	G+319		103	50	15	64								
WDAM-1S	1	1.25			7.1X1	1.7			6.8	8.2			691		361	274	G+285		103	50	15	71								
WDAM-1.5	1.5	1.88			9.5X1	3.4			8.7	10.3			830		432	313	G+328		135.5	65	26	90								
WDAM-2W	2	2.5			7.1X2	1.7			3.4	4.1			870		361	274	G+349		135.5	65	26	71								
WDAM-2S	2	2.5	11.2X1	3.4	6.9	8.1	838	432	313	G+328	135.5	65	26	90																
WDAM-2.5	2.5	3.13	4	3.5	11.2X1	3.4	0.75 or 0.75 : 0.19	0.75 or 0.75 : 0.19	5.5	6.5	20:5/24:6	10/12	845	100 · 125 · 150	432	313	G+342	※ (600) 1000 5 4000	135.5	65	26	90								
WDAM-3	3	3.75			9.5X2	3.4			4.35	5.15			1040		432	313	G+402		165	60	32	90								
WDAM-5	5	6.25			11.2X2	3.4			2.75	3.25			1155		432	313	G+437		183	70	35	90								
WDBM-0.25	250kg	313kg			3 or 6	2.5 or 5.5			6.3X1	0.9 : 0.3			0.4 or 0.4 : 0.1		0.4 or 0.4 : 0.1	7.4 : 2.5	8.7 : 2.9		20/24 or 20:5/24:6	10/12	631	75 · 100 · 125	367	287	G+263	※ (600) 1000 5 4000	84	43	14	64
WDBM-0.5	0.5	625kg							6.3X1	0.9 : 0.3						7.3 : 2.4	8.6 : 2.8				628		367	287	G+263		84	43	14	64
WDBM-1W	1	1.25	6.3X2	0.9 : 0.3			3.6 : 1.2	4.3 : 1.4	815	367	287	G+319		103		50	15	64												
WDBM-1S	1	1.25	7.1X1	1.7 : 0.57			6.8 : 2.2	8.2 : 2.7	691	392	298	G+285		103		50	15	71												
WDBM-1.5	1.5	1.88	9.5X1	3.4 : 1.14			8.7 : 2.9	10.3 : 3.4	830	462	345	G+328		135.5		65	26	90												
WDBM-2W	2	2.5	7.1X2	1.7 : 0.57			3.4 : 1.1	4.1 : 1.3	870	392	298	G+349		135.5		65	26	71												
WDBM-2S	2	2.5	11.2X1	3.4 : 1.14	6.9 : 2.3	8.1 : 2.7	838	462	345	G+328	135.5	65	26	90																
WDBM-2.5	2.5	3.13	4	3.5	11.2X1	3.4 : 1.14	0.75 or 0.75 : 0.19	0.75 or 0.75 : 0.19	5.5 : 1.8	6.5 : 2.1	20:5/24:6	10/12	846	100 · 125 · 150	462	345	G+342	※ (600) 1000 5 4000	135.5	65	26	90								
WDBM-3	3	3.75			9.5X2	3.4 : 1.14			4.35 : 1.4	5.15 : 1.7			1040		462	345	G+402		165	60	32	90								
WDBM-5	5	6.25			11.2X2	3.4 : 1.14			2.75 : 0.9	3.25 : 1.0			1155		462	345	G+437		183	70	35	90								

- 1) The standard length of power cord 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.

## LOW HEAD MANUAL CHAIN HOIST WITH GEARED TROLLEY



Model	Capacity (ton)	Test load (ton)	Standard lift (m)	Load chain Diameter X Number of falls	Hand effort to lift full working load kg (N)	Hand effort to move geared trolley kg (N)	Headroom H (mm)	I beam width (mm)	A	B	C	D	E	F	G	I	J	K
SHG-0.5	500kg	625kg	2.5	5X4	25 (245)	5 (49.0)	131	125	555	278	177	498	289	209	30	84	19	80
SHG-1	1	1.25		5X4	28 (275)	5 (49.0)	155	125	555	278	177	498	289	209	50	103	15	80
SHG-1.6	1.6	2.0		5X4	38 (373)	4 (39.2)	180	125	555	278	180	498	289	209	65	136	26	98
SHG-2	2	2.5	3	5X4	37 (363)	5.5 (54.0)	180	125	555	278	180	498	289	209	65	136	26	98
SHG-3.1	3.15	4.0		7.1X4	38 (373)	8 (78.4)	201	150	697	350	226.5	516	295	221	60	165	35	115
SHG-5	5	6.3		7.1X4	38 (373)	11.5 (112.7)	225	150	742	405	226.5	546	307	239	70	183	35	125
SHG-10	10	12.5		9X4	40 (392)	27 (265)	260	150	938	420	268	574	323	251	85	238	50	158
SHG-20	20	25		9X4	50 (490)	40 (392)	414.5	175	1150	500	333.5	600	340	260	110	315	80	197





# ELEPHANT



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