

ELEPHANT

COMPACT ELECTRIC CHAIN HOIST

α ALPHA series

Single-phase & 3-phase

Ranging 60kg~500kg



Lighter Electric Trolley Series.
Newly on Sale!

Light and Comfortable
High-powered Machines



CE spec.



JQA-1547



EPDFA-3

ELEPHANT'S ALPHA SERIES FEATURES A

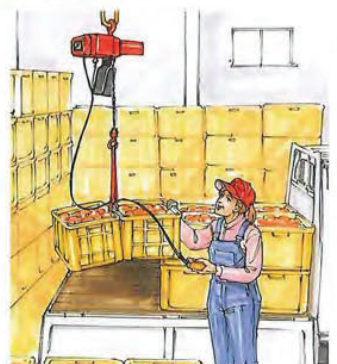
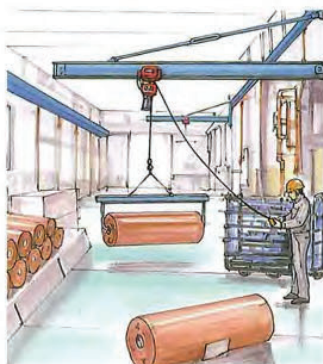
The Alpha Series transports and handles cargo flexibly and efficiently in various environments, ranging from homes and shops to factories and warehouses, and from fishery and agriculture to construction sites.

All Electric Trolley Series Made Lighter.

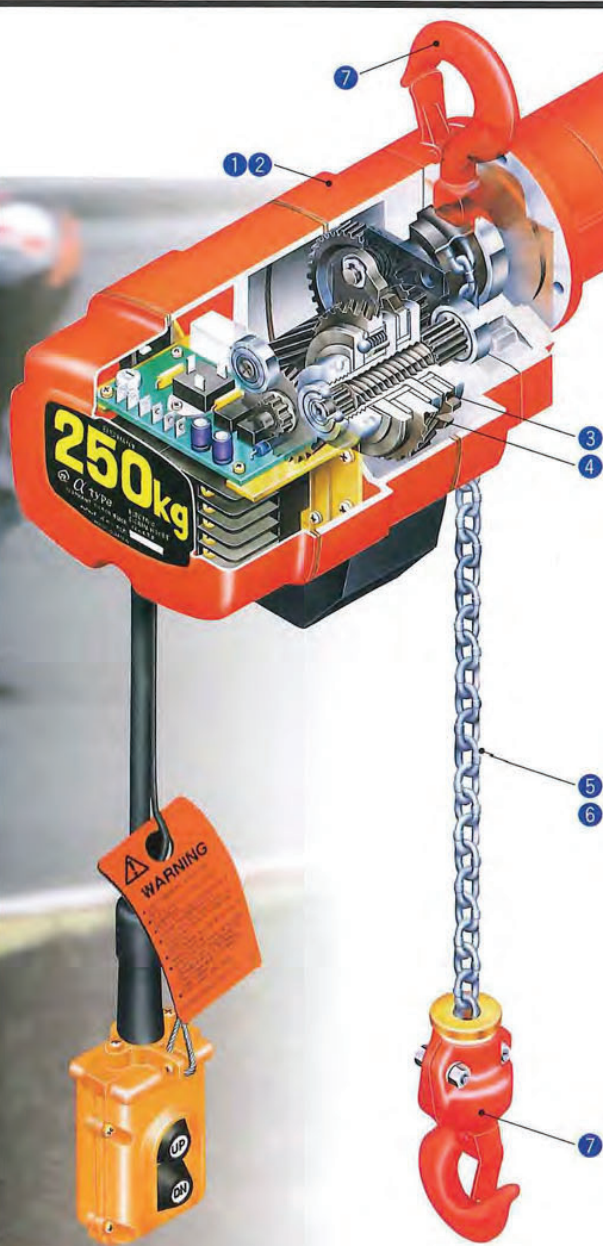
(including comfortable, single-phase, 100 V type)

All trolley series, including the highly reputed "Single-phase, 100 V electric trolley coupling type" capable of carrying out hoisting up/down and transfer functions simply by using the household power source, the "single-phase, 200 V type," and the "three-phase, 200 V type" are made further lighter, with the weight of the 500 kg type being reduced by a maximum of 16.5 kg to ensure further compactness.

The "Cargo Handling System" using ALPHA series has become much easier to be introduced in wider range of industries from the farms or stores using household power source to workshops or factories using high-tension power source. Please try and see the comfort in handling, characteristic of the "Small-in-size, Light-in-weight and High-in-performance" ALPHA series.



SPACESAVING, STATE-OF-THE-ART PROFILE.



ALL MODELS COME WITH GALVANIZED LOAD CHAIN! IDEAL MACHINES—STRONG, SAFE, AND COMPACT

■ A compact design that provides safety and high power.

Despite their compactness and light weight, the Alpha Series single-phase power types can hoist 500kg and the three-phase power types, 500kg. These all-around machines are equipped with an overwind and overload prevention device and a unique braking mechanism, assuring the ultimate in safe operation.

■ Versatility and unrivaled performance are the keys to their great popularity.

A full line of 152 types (single-phase 100~115V) (single-phase 200V~230V and three-phase 200V, 220V, 380V, 400V, 415V, 440V) power supplies satisfies a multitude of demands in agriculture, shops, factories and the home. A simple push-button operation provides high-speed hoisting of 5-20m/min. (Models with variable speeds and a slow speed are also popular.) A contactor designed for frequent use guarantees excellent durability when used on jobs requiring frequent inching operations, which means the job will be comfortable and easy for all operators.

■ Various accessories accommodate all operational environments.

Employing combinations using hooks, trolleys, mini saddles, and jib cranes means you can work in all operational environments. Their lightness and small size facilitate installation.

1. A low-noise design satisfies today's demands.

Aluminum die cast bodies and well thought out machine efficiency have led to quiet machines; an important feature in environments requiring low noise levels such as hospitals, shops, homes, and schools.

2. 15kg, net weight with a short head.

The 15kg net weight of single-phase 200kg types and 16.5kg net weight of three-phase 250kg types means they're easy to carry. A short head facilitates operations with short hoisting distances and at sites with low ceilings.

3. Mechanical and power brakes provide outstanding braking.

Elephant's unique brake mechanism uses non-asbestos material. It not only holds loads securely but also delivers sufficient braking force for tough jobs and has exceptionally long service life.

4. Overload and overwind preventions are integrated in one safety device.

Overwind prevention ensures stability even if frequently overwound or lowered excessively. In addition, when too much weight is applied, the overload prevention works smoothly, preventing the inside and the chain from being overloaded. This guarantees safe operations.

5. A superstrong white load chain for tough jobs.

A special surface-treated white chain ensures long hours of safe operation even in corrosive outdoor environments.

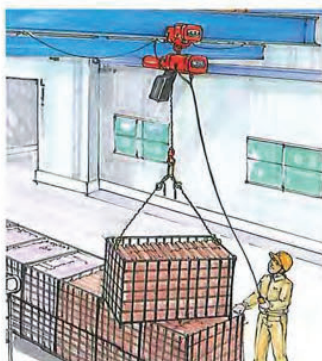
6. Superstrong surface-hardened load chain with 80kgf/mm² minimum braking stress.

Elephant's high-tech surface-hardened load chain is authorized by DIN 5684, one of the strictest standards in the world. Its tensile strength of 80kgf/mm² surpasses requirements specified in the JIS DAT (80kgf/mm²) for surface-hardened chains.

※DIN-stamp chain is available on request.

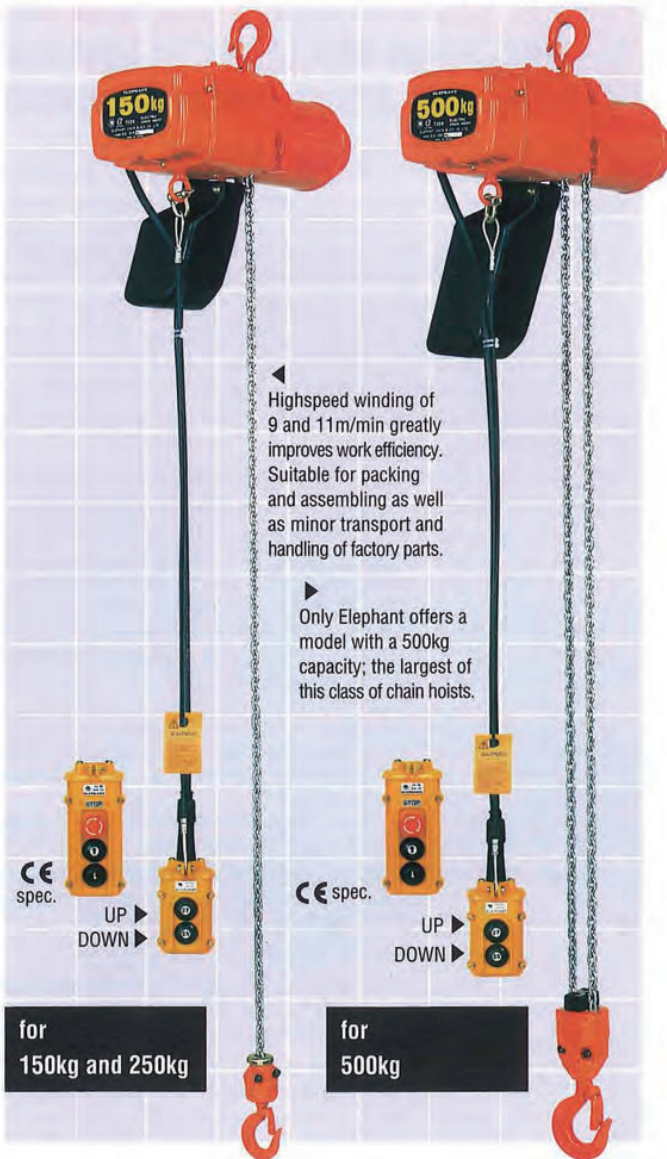
7. Upper and lower hooks and a safety latch ensure safe, smooth operation.

An overload will only gradually deform the upper and lower hooks, but never break them. Furthermore, a large hook maneuvering area facilitates slinging work. The thrust bearing of the unique, compact, lower hook makes it possible to change load directions without adding stress. A strong safety latch ensures safe operation.

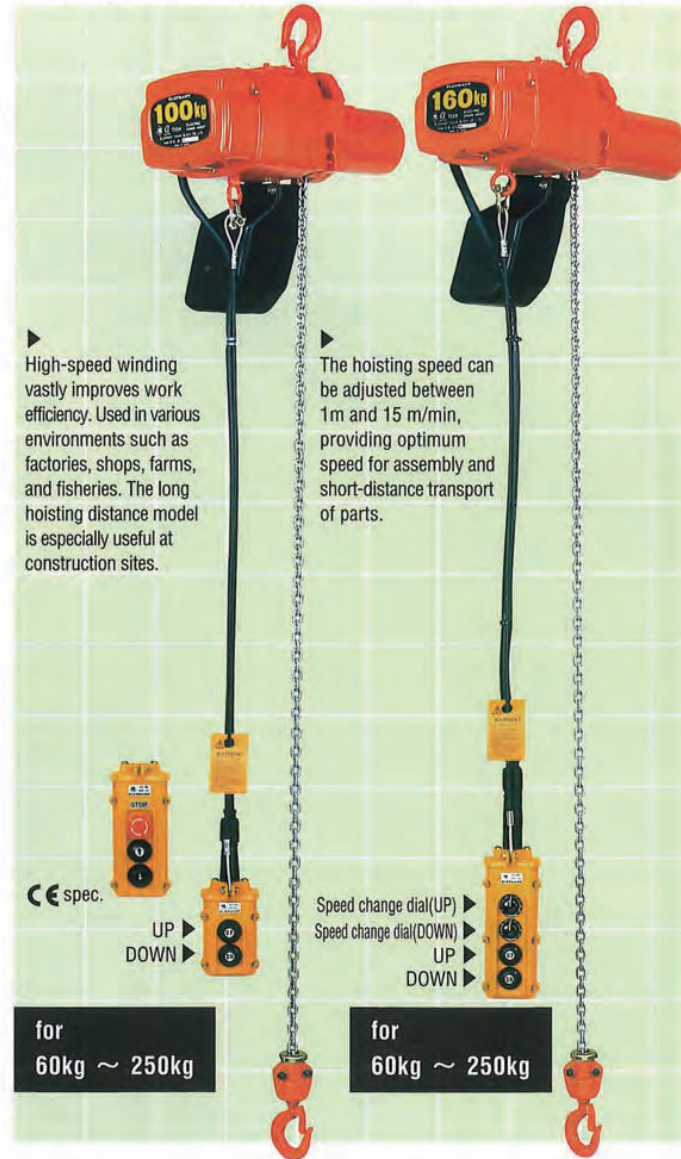


IMPROVED PERFORMANCE TO CARRY

3-phase



Single-phase, Single-Speed type



3-phase							
Type		Single-speed type					
Model	200V~440V※	α C-015	α C-025		α C-05		
Capacity (kg)		150	250		500		
Motor output (W)		550					
Short-time rating (min)		30					
Repetition ratings	Load time rate(%ED)	30 or 40					
	Max.stating frequency (times/h)	1200 or 240					
Rated current (A)		3		4		4	
Lifting speed (m/min)		50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
		9	11	9	11	4.5	5.5
Standard lift (m)		3					
Min. distance between hooks (mm)		315			395		
Push-button cord length (m)		3					
Load chain, diameter x pitch(mm)		4 × 12					
Net weight (kg)		19			21.5		

Single-phase					
Type		Single-speed type			
Model	For 100～115(V)※	α S-006	α S-01	α S-016	α S-025
	For 200～230(V)※	α H-006	α H-01	α H-016	α H-025
Capacity (kg)		60	100	160	250
Motor output (W)		300		600	
Short-time rating (min)		25			
Repetition ratings	Load time rate(%ED)	30			
	Max.stating frequency (times/h)	180			
Rated current (A)		6[4]	8[5]	14[7]	
Lifting speed (m/min)		13	13	15	10
Standard lift (m)		3			
Min. distance between hooks (mm)		315			
Push-button cord length (m)		3			
Load chain, diameter x pitch(mm)		4 × 12			
Net weight (kg)		15		17	

Notes: 1. A power source cable (2mm²×4 Core wires)5m is included for 3phase. 2. Figure in [] shows that of α H type.

3. Power supply voltage for operating the push-button switch is 24V 3phase or 100V (or 200V) single phase. 4. 500kg type is also available to supply the equipment for 490kg.

Single-phase 100 V ~ 230 V Electric Chain Hoist with Electric Trolley

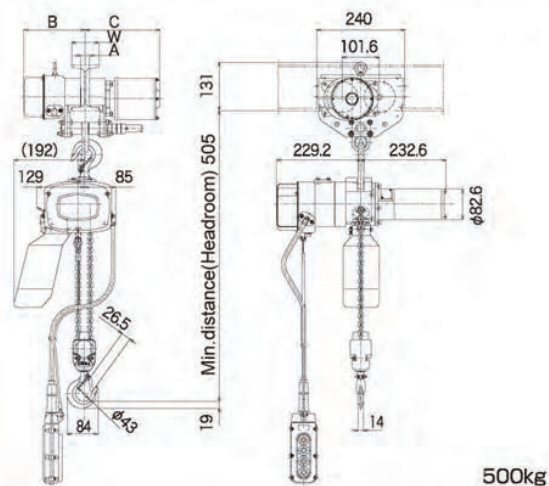
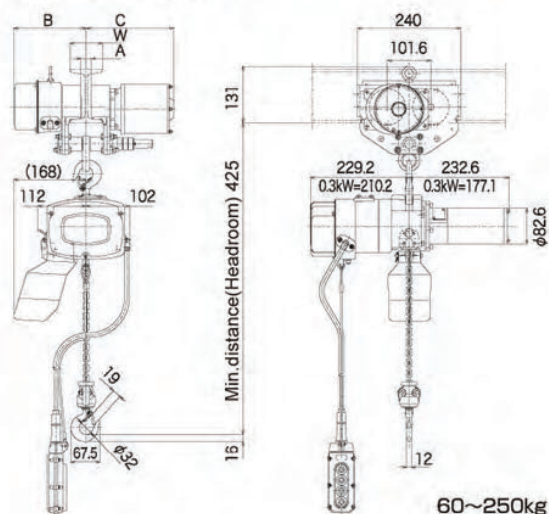


for 60kg and 250kg



for 500kg

DIMENSIONS



W	A	B	C
75	25	167.7	203.5
100	50	180.2	216
125	75	192.7	228.5

Specifications for Single-phase Electric Chain Hoist with Electric Trolley

Model		Capacity	Voltage	Minimum distance between hooks*	Standard lift	Motor output	Lifting speed	Traverse motor output (kW)	Traversing speed (m/min: 50Hz/60Hz)	Applicable traverse rail width (mm)	Minimum traverse turning radius (mm)	Minimum height of traverse rail (mm)	Net weight (kg)
100~115V	200~230V	(kg)	(V)	(mm)	(m)	(kW)	(m/min)						
α SM -006	α HM -006	60	100/115/200/230	425	3	0.3	13	0.15	10/12	75 • 100 • 125	900	100	32.5
α SVM -006	α HVM -006	60	100/115/200/230	425	3	0.3	1~13						32.5
α SBM -006	α HBM -006	60	100/115/200/230	425	3	0.3	Low:5 High:13						32.5
α SM -01	α HM -01	100	100/115/200/230	425	3	0.3	13						32.5
α SVM -01	α HVM -01	100	100/115/200/230	425	3	0.3	1~13						32.5
α SBM -01	α HBM -01	100	100/115/200/230	425	3	0.3	Low:4 High:13						32.5
α SM -016	α HM -016	160	100/115/200/230	425	3	0.6	15						34.5
α SVM -016	α HVM -016	160	100/115/200/230	425	3	0.6	1~15						34.5
α SBM -016	α HBM -016	160	100/115/200/230	425	3	0.6	Low:5 High:15						34.5
α SM -025	α HM -025	250	100/115/200/230	425	3	0.6	10						34.5
α SVM -025	α HVM -025	250	100/115/200/230	425	3	0.6	1~10						35
α SBM -025	α HBM -025	250	100/115/200/230	425	3	0.6	Low:4 High:10						34.5
α SM -050	α HM -050	500	100/115/200/230	505	3	0.6	5						37
α SVM -050	α HVM -050	500	100/115/200/230	505	3	0.6	0.5~5						37.5
α SBM -050	α HBM -050	500	100/115/200/230	505	3	0.6	Low:2 High:5						37.5

Notes: 1. See page 3-4 for the specifications for small electric chain hoist. 2. *The minimum distance between books slightly differs according to the size of the applicable traverse rail.

3. The single-phase traverse motor has E-class insulation, and the short time rating is 15 min. 4. The power cord of 0.5 m extending from the trolley (3-core; 1 pc for earth) is supplied.

●Specifications and dimensions are subject to change without notice.

Three-phase, 200 V ~ 440 V Electric Chain Hoist with Electric Trolley

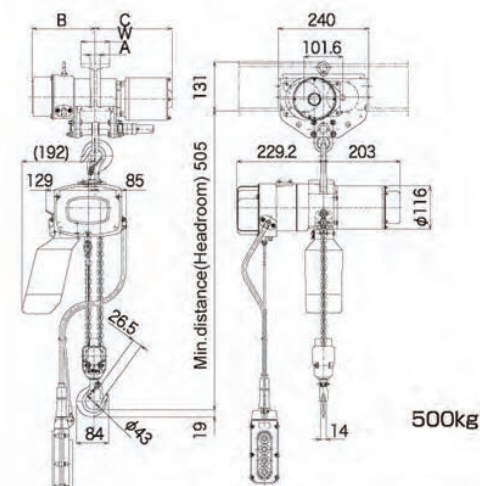
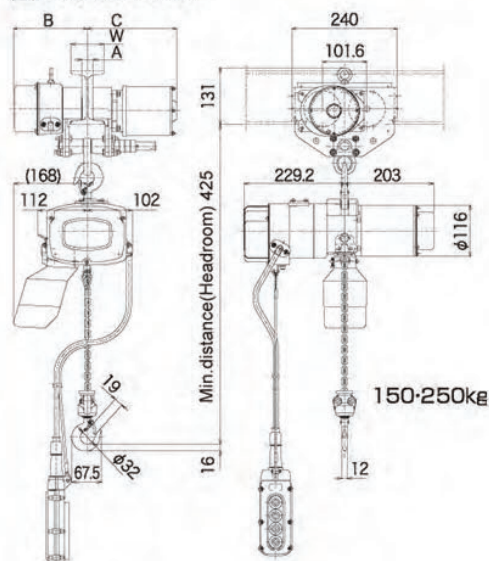


for 150kg and 250kg



for 500kg

DIMENSIONS



W	A	B	C
75	25	167.7	203.5
100	50	180.2	216
125	75	192.7	228.5

Specifications for Three-phase Electric Chain Hoist with Electric Trolley

Model	Capacity (kg)	Voltage (V)	Minimum distance between hooks* (mm)	Standard lift (m)	Motor output (kW)	Lifting speed (m/min)		Traverse motor output (kW)	Traversing speed (m/min)		Traverse rail width (mm)	Minimum traverse turning radius (mm)	Minimum height of traverse rail (mm)	Net weight (kg)
						50Hz	60Hz		High-speed type (standard) (50/60Hz)	Low-speed type (50/60Hz)				
α CM-015	150	200~440	425	3	0.55	9	11	0.3	20/24	10/12	75	900	100	36
α CM-025	250	200~440	425	3	0.55	9	11	0.3			100	900	100	36
α CM-050	500	200~440	505	3	0.55	4.5	5.5	0.3			125	900	100	38.5

Notes: 1. See page 3-4 for the specifications for small electric chain hoist. 2. Use three-phase power source.

3. The power cord of 0.5 m extending from the trolley (4-core: 1 pc for earth) is supplied.

4. Put the low-speed type "S" between the model symbol when specifying low traversing speed (example: ○○○S-○○); when there is no specification, the speed will be normal (standard). 5. The three-phase traverse motor has E-class insulation, and the short time rating is 30 min.

● Specifications and dimensions are subject to change without notice.

Single-phase, and Three-phase Electric Chain Hoist with Geared Trolley

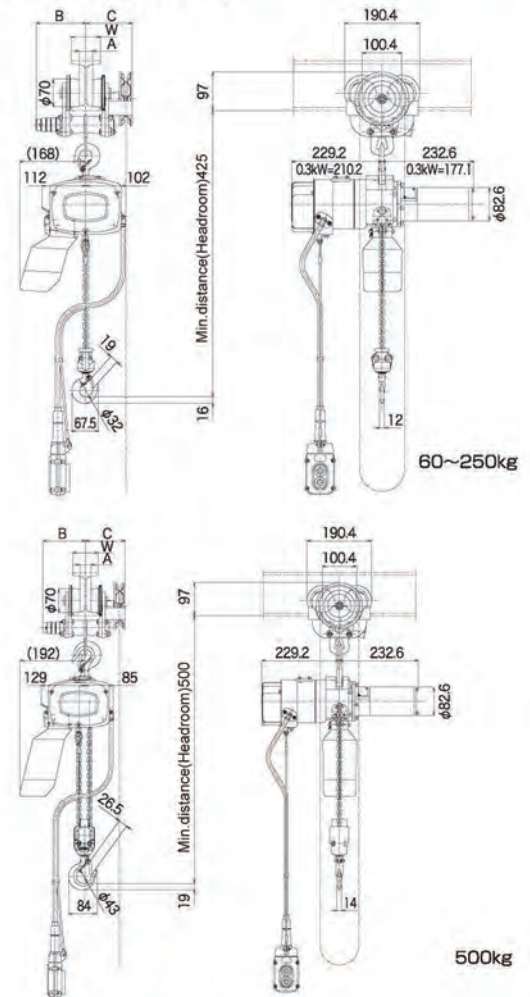


for 60kg and 250kg



for 500kg

DIMENSIONS



W	A	B	C
75	34	125.5	118
100	59	113	130.5
125	84	100.5	143

Specifications for Single-phase and Three-phase Electric Chain Hoist with Geared Trolley

Model		Capacity	Voltage	Standard lift	Motor output	Lifting speed		Short time rating	Minimum distance between hooks*	Traversing manual power	Applicable traverse rail width	Minimum traverse turning radius	Minimum height of traverse rail	Net weight
100~115V	200~230V	(kg)	(Single-phase) (V)	(m)	(kW)	50Hz	60Hz	(min)	(mm)	(kg)	(mm)	(mm)	(mm)	(kg)
α SG -006	α HG -006	60	100/115:200/230	3	0.3	13		25	425	2	75 • 100 • 125	900	125	27.5
α SVG -006	α HVG -006	60	100/115:200/230	3	0.3	1~13		25						28
α SBG -006	α HBG -006	60	100/115:200/230	3	0.3	Low:5 High:13		25						27.5
α SG -01	α HG -01	100	100/115:200/230	3	0.3	13		25						27.5
α SVG -01	α HVG -01	100	100/115:200/230	3	0.3	1~13		25						28
α SBG -01	α HBG -01	100	100/115:200/230	3	0.3	Low:4 High:13		25						27.5
-	α CG -015	150	3-phase:200~440V	3	0.55	9	11	30						31.5
α SG -016	α HG -016	160	100/115:200/230	3	0.6	15		25						29.5
α SVG -016	α HVG -016	160	100/115:200/230	3	0.6	1~15		25						30
α SBG -016	α HBG -016	160	100/115:200/230	3	0.6	Low:5 High:15		25						29.5
-	α CG -025	250	3-phase:200~440V	3	0.55	9	11	30						31.5
α SG -025	α HG -025	250	100/115:200/230	3	0.6	10		25	500					29.5
α SVG -025	α HVG -025	250	100/115:200/230	3	0.6	1~10		25						30
α SBG -025	α HBG -025	250	100/115:200/230	3	0.6	Low:4 High:10		25						29.5
-	α CG -050	500	3-phase:200~440V	3	0.55	4.5	5.5	30						34
α SG -050	α HG -050	500	100/115:200/230	3	0.6	5		25						32
α SVG -050	α HVG -050	500	100/115:200/230	3	0.6	0.5~5		25						32.5
α SBG -050	α HBG -050	500	100/115:200/230	3	0.6	Low:2 High:5		25						32.5

Notes: 1. See page 3-4 for the specifications for small electric chain hoist.

● Specifications and dimensions are subject to change without notice.

Single-phase and Three-phase, Electric Chain Hoist with Plain Trolley



CE spec.

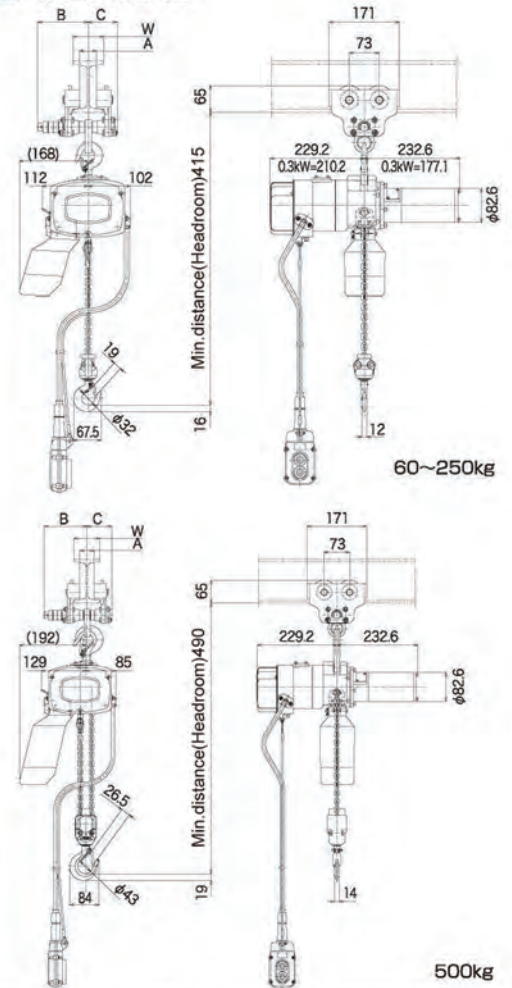
for 60kg ~ 250kg



CE spec.

for 500kg

DIMENSIONS



W	A	B	C
50	16	135	58
75	41	122.5	70.5
100	66	110	83
125	91	97.5	95.5

Specifications for Single-phase and Three-phase Electric Chain Hoist with Plain Trolley

Model		Capacity (kg)	Voltage (Single-phase) (V)	Standard lift (m)	Motor output (kW)	Lifting speed (m/min)		Short time rating (min)	Minimum distance between hooks* (mm)	Applicable traverse rail width (mm)	Minimum traverse turning radius (mm)	Minimum height of traverse rail (mm)	Net weight (kg)
100~115V	200~230V					50Hz	60Hz						
α SP -006	α HP -006	60	100/115:200/230	3	0.3	13		25	415	50 • 75 • 100 • 125	900	100	19.5
α SVP -006	α HVP -006	60	100/115:200/230	3	0.3	1~13		25					20
α SBP -006	α HBP -006	60	100/115:200/230	3	0.3	Low:5 High:13		25					19.5
α SP -01	α HP -01	100	100/115:200/230	3	0.3	13		25					19.5
α SVP -01	α HVP -01	100	100/115:200/230	3	0.3	1~13		25					20
α SBP -01	α HBP -01	100	100/115:200/230	3	0.3	Low:4 High:13		25					19.5
-	α CP -015	150	3-phase:200~440V	3	0.55	9	11	30					23.5
α SP -016	α HP -016	160	100/115:200/230	3	0.6	15		25					21.5
α SVP -016	α HVP -016	160	100/115:200/230	3	0.6	1~15		25					22
α SBP -016	α HBP -016	160	100/115:200/230	3	0.6	Low:5 High:15		25					21.5
-	α CP -025	250	3-phase:200~440V	3	0.55	9	11	30					23.5
α SP -025	α HP -025	250	100/115:200/230	3	0.6	10		25	21.5				
α SVP -025	α HVP -025	250	100/115:200/230	3	0.6	1~10		25	22				
α SBP -025	α HBP -025	250	100/115:200/230	3	0.6	Low:4 High:10		25	21.5				
-	α CP -050	500	3-phase:200~440V	3	0.55	4.5	5.5	30	490				26
α SP -050	α HP -050	500	100/115:200/230	3	0.6	5		25					24
α SVP -050	α HVP -050	500	100/115:200/230	3	0.6	0.5~5		25					24.5
α SBP -050	α HBP -050	500	100/115:200/230	3	0.6	Low:2 High:5		25					24.5

Notes: 1. See page 3-4 for the specifications for small electric chain hoist.

● Specifications and dimensions are subject to change without notice.



WORLD'S BEST CLASS CHAIN HOISTS

- ELECTRIC CHAIN HOIST
- MANUAL CHAIN HOIST
- APPLIED PRODUCTS
- LEVER HOIST
- LIFTING SLING



CAUTION:

For safe and correct use of the product, carefully read the OPERATION MANUAL enclosed in the package and familiarise yourself with its contents.



ELEPHANT CHAIN BLOCK CO.,LTD.

