

Compact! Light! Easy!

## **KITO ELECTRIC CHAIN HOIST** **ED III SERIES** SINGLE-PHASE



- High speed lifting/lowering
- Compact design minimizes headroom
- Powerful and high performance
- High performance mechanical brake
- Overload protection
- Compact and lightweight. 100 kg type weighs just 11.5 kg standard lift.
- Mini Trolley expands application range.
- Enclosure: IP54(Hoist Body), IP65(Push Button Switch), IP44(Cylinder Switch)

## High strength, wear and rust resistant Nickel-plated Load Chain

### Specifications

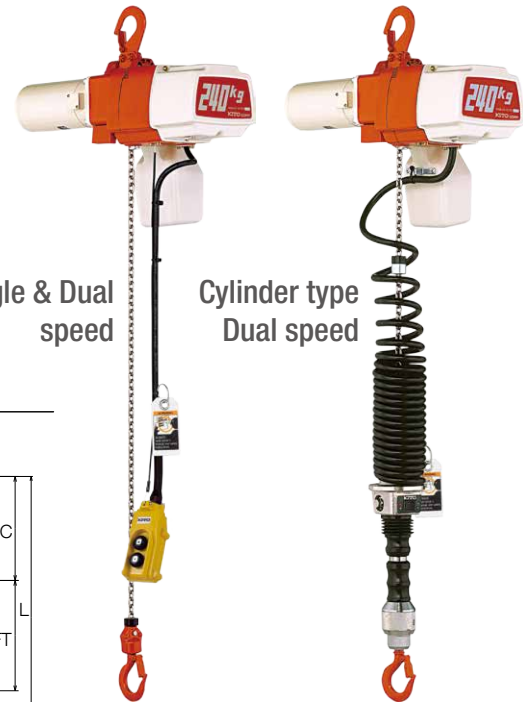
Rated capacity:	60kg to 480kg
Voltage:	Single phase AC 120V or 240V (max) both for 50Hz and 60Hz
Control voltage:	Direct control is standard. Low voltage is available as an option.
Motor insulation:	Class F
Enclosure:	Single speed/Dual speed - IP54 Cylinder - IP44
Suspension varieties:	Hook, mini trolley, universal trolley
Operating temperature:	-20 to 40 °C (-4 to 104 °F)
Operating humidity:	85%RH or less
Voltage range available from 110 to 120V(max) or 220 to 240V(max)	

**Increased safety**  
(60kg to 480kg)



Upper limit switch

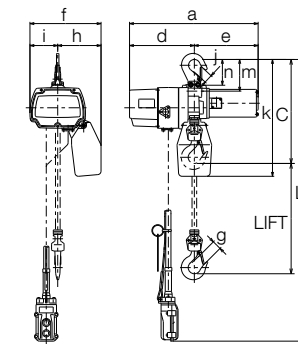
Chain spring (Option)



Single & Dual speed

Cylinder type Dual speed

### 60kg to 240kg



The push button in the picture is a dual speed type.

### 60kg to 240kg

Power supply		120V or 240V 50Hz/60Hz														
		Single speed type					Dual speed type					Cylinder type				
Type		ED06S	ED10S	ED18S	ED16S	ED24S	ED06ST	ED10ST	ED18ST	ED16ST	ED24ST	EDC06SD	EDC10SD	EDC18SD	EDC16SD	EDC24SD
Rated load (W.L.L.) (kg)		60	100	180	160	240	60	100	180	160	240	60	100	180	160	240
Motor output (W)		300					300					300				
Short time rating (min)		15(20)*1		10(15)*1		20	15(20)*1		10(15)*1		20	15(20)*1		10(15)*1		20
Intermittent rating	%ED	30		20		30	30		20		30	30		20		30
	Max.number of starts per hour	180		120		180	180		120		180	180		120		180
Rated current (A)	120V	5		6		10	5		6		10	5		6		10
	240V	3		5		5	3		5		5	3		5		5
Lifting speed (m/min)	High	21	13	8	20	13.5	21	13	8	20	13.5	21	13	8	20	13.5
	Low	—	—	—	—	—	4	3	3	4	3	4	3	3	4	3
Standard lift (m)		3					3					1.8				
Push button cord length L(m)		2.5					2.5					—				
Load chain diameter (mm)		4					4					4				
Mass [net weight] (kg)		11.5 (12)*2			15.5 (16)*2		12 (12.5)*2			16 (16.5)*2		14.5 (15)*2			18.5(19)*2	
Headroom C (mm)		315			330		315			330		945			960	
Dimensions (mm)	a	371 (364)*1			428		371 (364)*1			428		371 (364)*1			428	
	d	187			205		187			205		187			205	
	e	184 (177)*1			223		184 (177)*1			223		184 (177)*1			223	
	f	205			219		205			219		205			219	
	h	125			135		125			135		125			135	
	i	80			84		80			84		80			84	
	g	25					25					25				
	j	25					25					25				
	k	340			362		340			362		340			362	
	m	92					92					92				
n	73					73					73					

- Control: Direct control is standard. Low voltage is available upon request.
- Power supply cable: 2mm<sup>2</sup> x 3 conductors x 5m with grounding wire.
- The lifting speed is the average of the lifting / lowering speed under the rated load. The speed will vary in a load or voltage.
- W.L.L.: Indicates maximum load (working load limit) which a hoist is designed to support in general service.
- In case of with mini trolley, dimensions "C" and "k" are shorter by 45mm.
- \*1: Figures in parentheses show the data for 240V(max).
- \*2: Mass in parentheses are at Low voltage control 27V.

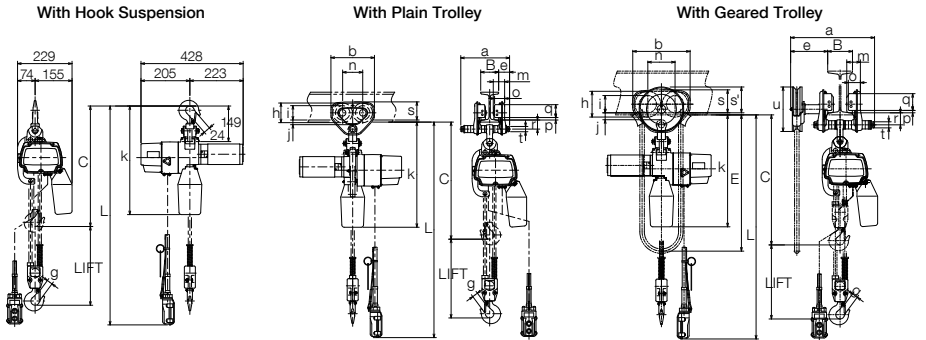
Voltage range available from 110 to 120V(max) or 220 to 240V(max).  
The lifting speed varies according to the decreasing of the voltage.

Capacity **60kg to 480kg**



The push button in the picture is a dual speed type.

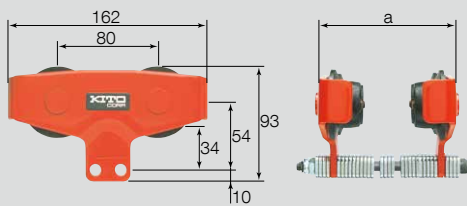
## 480kg



480kg							
Power supply	120V or 240V		50Hz/60Hz				
Type	Single speed type		Dual speed type				
Product code	ED48S	ED48S+PT*3	ED48S+GT*4	ED48ST	ED48ST+PT*3	ED48ST+GT*4	
Rated load (W.L.L.) (kg)	480						
Motor output (W)	600						
Short time rating (min)	15(20)*1						
Intermittent rating	%ED		30				
	Max.number of starts per hour		180				
Rated current (A)	120V	10					
	240V	5					
Lifting speed (m/min)	High	6.7					
	Low	—		2			
Standard lift (m)	3						
Push button cord length L (m)	2.5						
Hand chain folded length (m)	—		2.7	—			
Load chain diameter (mm)	4						
Mass [net weight] (kg)	21(21.5)*2	25(25.5)*2	34(34.5)*2	21(21.5)*2	25(25.5)*2	34(34.5)*2	
Headroom C (mm)	520		535	520		535	
Flange width adjustability B (mm)	—	50 to 102	75 to 125	—	50 to 102	75 to 125	
Minimum radius for curve (mm)	—		1100	—		1300	
	k	454	469	454		469	
Dimensions (mm)	g	24	24	24		24	
	a	—	204	345	—	204	
	b	—	182	236	—	182	
	e	—	46	152	—	46	
	h	—	82	106	—	82	
	i	—	60	71	—	60	
	j	—	19	28	—	19	
	s	—	76	95	—	76	
	s'	—		106	—		106
	m	—	47.5	56	—	47.5	
	n	—	84	112	—	84	
	o	—	42	50	—	42	
	p	—	10	10	—	10	
	q	—	54	69	—	54	
	r	—	38	50	—	38	
	t	—	22	25	—	22	
	u	—		183	—		183

### Trolley for 60 to max.250kg

#### Mini Trolley TMH25



Beam Width	a	Min Radius	Mass (Net weight)
50mm to 100mm	94mm to 144mm	600mm	1.9kg

### Trolley for max.480kg

#### Universal Trolleys TS Series

Plain Trolley



Geared Trolley



- Control: Direct control is standard. Low Voltage is available upon request.
- Power supply cable: 2mm<sup>2</sup> x 3 conductors x 5m with grounding wire.
- The lifting speed is the average of the lifting / lowering speed under the rated load. The speed will vary in a load or voltage.
- W.L.L.: Indicates maximum load (working load limit) which a hoist is designed to support in general service.
- \*1: Figures in parentheses show the data for 240V(max).
- \*2: Mass in parentheses are at Low voltage control 27V.
- \*3: Connected with Plain trolley.
- \*4: Connected with Geared trolley.



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