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Smooth & Ergonomic Operation, Reliable Safety, Enhanced Durability

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KITO ELECTRIC CHAIN HOIST ER2

Smooth & Ergonomic Operatio Reliable Safety Enhanced Durability Easier Maintenance Environmentally Friendly

Dual speed inverter hoist provided as standard*

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KITO ELECTRIC CHAIN HOIST

The new KITO electric chain hoist ER2 has been released as a product that further builds upon KITO's previous ER series. Seeking improved ease of use and work efficiency, an inverter has been provided as standard in a dual speed hoist and trolley. The dual speed inverter delivers smoother movement than ever, reducing load swing.

To ensure safety, KITO utilizes a double safety mechanism consisting of an originally developed friction clutch and upper-lower limit switch. Uniquely-designed push button control on the basis of ergonomics, enhanced durability of load chain, improved ease of maintenance as well as support for the environment achieve higher safety and working efficiency. These products, therefore, provide long-period stable operation, which is essential for improving production efficiency. Due to further improved durability, the increased product service life and reduced running costs have resulted in minimizing the lifetime cost.

KITO electric chain hoists have sought the industry's top level of safety, durability and ease of maintenance, and to continue as highly trusted products selected around the world, the evolution of KITO electric chain hoists continues.

Dual Speed Inverter Hoists with capacities up to 500kg

Hoist Classification $\frac{M6}{3m}$ (ISO)

The durability of mechanical components such as gears and bearings is twice higher than M5 (ISO) 2m (FEM)!

ER2 with hoist inverter enables smoother starting and stopping. The total duration of use is 3200 hours (Subjected regularly to the maximum load). The increased duration provides better value and performance.



Compact Body

Light weight

The compact aluminum die-cast body has exceptional rigidity as well as, high dust-protection and water-protection. It has a simple structure with a small number of parts. Fine-tuned profile of the load chain link benefits loss of the hoist body weight compared to the previous ER.

Previous ER

ER2 Outline

Rated capacity:	Single speed – 125 kg to 20 t
-	Dual speed – 125 kg to 5 t
Voltage:	220-230 V 50/60Hz
	380-415 V 50 Hz 380-440 V 60 Hz
	500 V 50 Hz (pole change for dual speed) 460 V 60 Hz (for specific regions)
Control voltage:	24 V (110 V for specific regions)
Duty rating:	Single speed – 60% ED (60 min.)
	Dual speed – 40/20% ED (30/10 min.)
Classification:	M4, M5, M6 (ISO); 1 Am, 2m, 3m (FEM); H4 (ASME)
Motor insulation:	Class B for 220-230-50/60 and 500-50 (460-60)
	Class F for 380-415-50 and 380-440-60
Enclosure:	Hoist body – IP55, Push button control - IP 65
Suspension varieties:	Hook, manual trolley, motorized trolley
Operating temperature:	-20 to 40 °C (-4 to 104 °F)
Operating humidity:	85%RH or less

Smooth & Ergonomic Operation



Accelerating and decelerating time in addition to speed are adjustable for dual speed inverter trolley.

Inverter smooth transitional speed

The dual speed inverter delivers smoother movement than the pole change motor, reducing load swing. The high to low speed ratio can be set to a large value. This results in smooth starts, improved low speed stops, and improved positioning accuracy. The standard speed ratio is 6:1 adjustable up to 12:1* for lifting and 10:1* for traversing.

ER2/MR2 inverter unit is well-customized for lifting/traversing applications including exclusive software with optimum control and is also provided with measures against impact and heat which were verified through long run tests. *For a speed ratio other than the standard, please make a request at the time of placing an order.

Push button control original design

The push button control is designed in an ergonomic shape that is operator friendly. Seeking ease of operation and universal design, KITO's original push button control was designed and manufactured based on trial and error repeated many times, in particular, upgrading prototypes and evaluation from an enduser point of view especially with respect to unit strength.

Contoured to comfortably fit into your hand. The button has a light operating sensation which responds to fine adjustments in pressure. The pressing stroke is short. The operator, therefore, will not become fatigued after longperiods of operation.



As for a crane fabrication with a motorized end truck, a control box is available if necessary.

Resistant to the collisions and shocks that may occur during work, KITO's original push button control can be used in various



environments, thus supporting efficient work.

Load sheave reduced vibration

Increasing the number of load sheave pockets helps relieve vibrations produced by the revolving polygonal sheave on the hoist's body and load chain.



Reliable Safety

Friction clutch & upper-lower limit switch double safety

Maintaining safety is the most important task for lifting equipment, and is essential for stable operation. To ensure safety, KITO utilizes a double safety mechanism consisting of an originally developed friction clutch and upper-lower limit switch. The friction clutch is an emergency overload protection device that idles the motor when subjected to an excessive load over the rated capacity. Friction clutch performance is not easily compromised with changes in the surrounding temperature. In the case of irregular loading, this operates in advance to prevent the hoist body or load chain from being damaged. In the event that a load is lifted or lowered excessively, the limit switch stops the motor, preventing hoist or load chain damage. (Not regular use)

Thermal protector

To prevent the motor from burning out due to excessive usage, a standard thermal protector is installed in the motor.

Electromagnetic brake fail-safe connection

Connected in series to a motor circuit, a current-driven electromagnetic brake does not release unless the motor is energized. This concurrent drive increases safety of the circuit compared



to separate circuits for the motor and the brake.



Emergency stop

The emergency stop, provided as standard, allows the motor power to be disconnected in an emergency without cutting off the main power supply.



Enhanced Durability

High end duty rating

The ER2 achieves M6(ISO)/3m(FEM) class (refer to section of "Hoist Classifications"), with a duty cycle of 60% ED. Supporting use in the most demanding environments and conditions, this long service lifed hoist is a heavy-duty product which is also applicable to high frequency or long lift operations.

The gearbox is lubricated in an oil bath. As a result of this, wear and tear has been improved and cooling has also been enhanced at the same time.



Load chain super strength

KITO's world class original supperstrength nickel-plated load chain certified by German Institute, uses unique technology to greatly increase resistance to fatigue and wear.



Unique motor frame fins & fan cover

A unique fan-cooled motor with motor frame fins and a fan cover have been configured into a purpose built design. This design produces a much quieter motor unit as well as enhanced fan cooling capabilities.





At KITO, testing is continuously being carried out regarding the load chain fatigue, wear, tensile strength, and environment. KITO takes pride in manufacturing load chains that have strength, durability and accuracy for utilization in the product. *ER2 chains are not compatible with that of the previous ER hoist series due to a difference of their chain profile.*

Easier Maintenance

Connecting shaft & cover belt

The connecting shaft that was previously attached inside the body is now mounted on the outside of the ER2. This allows a top hook or suspender to be attached or removed with ease.





The electric parts and equipment are contained inside the controller cover. Therefore, inspection and parts replacement can be accomplished easily. The controller cover is connected to the hoist body using a cover belt so that maintenance can be carried out more easily.



CH (counter hour) meter

As a standard feature, the hoist's total on-time and the number of lowering starts are shown on the LCD of the CH meter. This enables the user to carry out maintenance based upon the frequency of use. By maintaining a history of the CH meter data, the inspection periods and replacement periods for gear oil, contactors, brakes and load chains can be efficiently controlled, allowing the equipment to be used with confidence.





Environmentally Friendly

No hazardous substances

As an environmental measure, several environmentally hazardous substances specified by KITO, including 6 European RoHS directive substances, are not used.

Energy saving

Further, an energy-savings can be made due to reduction in rated current draw compared to the previous ER.

Lower noise

The utilization of the inverter, 4-pole motor as well as the electromagnetic brake, reduces the noise during operation and braking.

ER2 Electric Chain Hoist

Electromagnetic brake

Current-driven electromagnetic brake produces strong braking power, securely holding a load.

External motor fan

Aluminum die-cast motor frame with external motor fan reduces rise in heating during frequent operation.

Chain guide

KITO's uniquely-structured for smooth chain-feeding.

Gears

Helical gears reduces operating noise.

Chain container

Durable plastic or canvas containers as standard.

Direct wiring available

Plug connection

Easily attached and removed

Load chain

Nickel-plated load chain standard, manufactured through KITO's own technology to provide a higher resistance against fatigue, wear and rust. The load chain is made from a unique alloy-steel designed of KITO's study and experience, which is produced under high quality control through automated facilities from material incoming to chain completion. The load chain is manufactured with hard surface to increase wear resistance and is well-balanced between its strength and toughness in the core section.

Hook -

Equipped with a bearing and characterized by gradual elongation, not sudden breakage under overload conditions. The notched latch for firm contact improves resistance against lateral force.

Push button control —

Originally designed with emergency stop provided as standard that is both operator friendly and has greater durability.

Thermal protector

Sensor overheating to shut off the current.

Connecting shaft

The connecting shaft is mounted on the outside of the body. This allows the top hook or suspender to be attached or removed with ease (except for Body F).

Aluminum die-cast body Tough body

Enclosure

Dust-protected and jetprotected (IP55)

Electromagnetic contactor

Mechanically interlocked to prevent multi-switching at the same time

-CH meter built-in inverter

Recording and displaying no. of lowering starts and the hoist on-time enable right maintenance appropriate for operational frequency.

Friction clutch

Originally developed as an emergency overload protection by KITO to slip the force from the motor in such lifting an anchored object.

Upper-lower limit switch

Simplified structure - stops the hoist at both ends of the hook path as a double safety mechanism with Friction clutch. (Not regular use)

Cover belt

Attached to the controller cover and gear case convenient for maintenance.

ER2 Electric Chain Hoist Lineup

		Lifting speed		Capacity (t)												
Туре	Liftin			0501.0		4	4.5	_	0.5	_	-	Large capacity				
			125Kg	250Kg	SUUKG	I	1.5	2	2.5	3	5	7.5	10	15	20	
		Low			•	•		•								
	Single	Standard		•	•	•	•	•	•	•	•		•	•	•	
Hook suspension EB2		High	•	•												
		Low			•	•		•								
	Duai	Standard		•	•	•	•	•	•	•	•					
		High	•	•												
Trolley suspension		Low			•	•		•					•			
	Single	Standard		•	•	•	•	•	٠	•	•	•	•	•	•	
Motorized trolley ER2M		High	•	•												
Plain Trolley ER2SP	_	Low			•	•		•								
(up to 5t)	Dual	Standard		•	•	•	•	•	•	•	•					
Geared Trolley ER2SG		High	•	•												

KITO will not be held liable for any malfunction, lack of performance or accident if the product is being used in conjunction with any other equipment. If the product is to be used for unintended purposes, please confirm with your dealer in advance.

Trolleys

Motorized Trolley MR2

Bearing built-in side rollers provide smooth running through the minimum radius curve and excellent traversing performance with preventive derailment.

Features

- •Simple gear box construction
- •Improved balance due to a lighter weight geared motor

•Speed variations Single Low Speed

Single Standard Speed **Dual Speed**

Plain & Geared Trolley

- •Designed to provide smooth and easy traversing.
- •Lugs provide protection from striking damage against rail stoppers, and from falling off the rail.
- •Wheel flanges also prevent derailment.

Plain Trolley TSP

Designed for light load manual applications (125kg to 5t)

Geared Trolley TSG

Designed for precise positioning and traversing by using hand chain (125kg to 20t)

Motorized Trolley MR2



Plain Trolley TSP



Geared Trolley TSG



125kg to 20t

9

Lifting & Traversing Speed

Lifting Speed

	Single Speed								Dual S	Speed		
Capacity		50 Hz			60 Hz			50/60 Hz*			500 V	
(1)	Low	Standard	High	Low	Standard	High	Low	Standard	High	Low	Standard	High
125kg			14.1			16.9			1.4 to 16.6			14.2/3.5
250kg		9.1	13.4		10.9	16.1		0.9 to 10.8	1.3 to 15.7		7.2/1.8	
500kg	3.8	7.3		4.6	8.8		0.4 to 4.5	0.7 to 8.5		3.6/0.9	7.1/1.8	
1	3.5	7.1		4.2	8.5		0.3 to 4.2	0.7 to 8.2		3.5/0.9	7.2/7.1	
1.5		4.5			5.4			0.4 to 5.3			4.8/1.2	
2	3.7	7.0		4.4	8.4		0.4 to 4.3	0.7 to 8.2		3.7/0.9	6.9/1.6	
2.5		5.7			6.8			0.6 to 6.6			5.5/1.3	
3		4.4			5.3			0.4 to 5.2			4.4/1.0	
5		2.9			3.5			0.3 to 3.3			2.8/0.6	
7.5		1.9			2.3							
10	1.4	2.9		1.7	3.5							
15		1.9			2.3							
20		1.4			1.7							

Note: The speed ratio of inverter hoists is preset to 6:1 in KITO factory.

Traversing Speed

(m/min)													
		Single	Dual Speed										
Capacity	50	Hz	60	Hz	50/60 Hz*	500 V							
(9	Low	Standard	Low	Standard	Standard	Standard							
125kg to 5	10	20	12	24	2.4 to 24	20/10							
7.5 to 20	10		12										

Note: The speed ratio of inverter trolleys is preset to 6:1 in KITO factory.

Product Code





(m/min)

Capacity

σαρασιτή	
Code	Capacity
001	125 kg
003	250 kg
005	500 kg
010	1 t
015	1.5 t
020	2 t
025	2.5 t
030	3 t
050	5 t
075	7.5 t
100	10 t
150	15 t
200	20 t

Lifting speed

Lifting speed
single, standard
single, low
single, high
inverter dual, standard
inverter dual, low
inverter dual, high
dual, standard
dual, low
dual, high

Traversing speed

Code	Traversing speed
S	single, standard
L	single, low
IS	inverter dual, standard
SD	dual, standard

Ex. for ER2M010IS-IS, the electric chain hoist bears " ER2-010IS " as a product code and the motorized trolley " MR2-010IS ".

Chain Containers

Type of containers



Product code	Body	≤4m	4.1 ≤6m	6.1 ≤8m	8.1 ≤9m	9.1 ≤12m	12.1 ≤15m	15.1 ≤18m	18.1m<
ER2-001H/IH	-								
ER2-003S/IS	в								
ER2-003H/IH									
ER2-005L/IL	С								
ER2-005S/IS									
ER2-010L/IL	_								
ER2-010S/IS	U								
ER2-015S/IS									
ER2-020L/IL	Е								
ER2-020S/IS									
ER2-025S/IS	F								
ER2-030S/IS	Е								
ER2-050S/IS									
ER2-075S									
ER2-100L									
ER2-100S	F								
ER2-150S									
ER2-200S									

Containers are installed differently depending on the types of the products or lift. The steel containers may not cover the standard curve radii depending on their installation conditions.

Product Configurations



The following types of the hoist are configured differently from the above: Large capacities (7.5t or more), ER2SG/SP for crane, TWER2M and SHER2M

Lifting Motor Ratings

Short Time Rating

This rating indicates how long the hoist can be operated continuously on the below cycle, assuming continued operation for a short time span.



•Specified for W.L.L.

•Single Speed: 60min

•Dual Speed: 30/10min

Intermittent Rating (Percent ED) Max. Number of Starts Per Hour

This rating indicates the ED percent (ratio of motor ON-to-OFF time) and max. number of starts per hour (how many times the motor is started up in one hour)



•Specified for 63% of W.L.L.

for a hoist operated continuously on the below cycle, assuming continued operation or repeated starting over a long time span.

In the case of single speed:

%ED= Motor ON time (t1+t3) 1cycle (T) X100

T= 1 cycle (t1+t2+t3+t4)

(Within 10 minutes)

 $\% {\rm ED}$ and max. number of starts per hour

Single Speed: 60%ED, 360 starts/hr
Dual Speed: 40/20 %ED, 240/120 starts/hr

Hoist Classifications

ISO/JIS

		Total duration of use (h)										
	State of loading	200	400	800	1600	3200	6300	12500	25000			
Light	Mechanisms subjected very rarely to the maximum load and, normally, to light loads	_	_	M1	M2	MЗ	M4	M5	M6			
Moderate	Mechanisms subjected fairly frequently to the maximum load but, normally, to rather moderate loads	_	M1	M2	MЗ	M4	M5	M6	_			
Heavy	Mechanisms subjected frequently to the maximum load and, normally, to loads of heavy magnitude	M1	M2	MЗ	M4	M5	M6	-	_			
Very heavy	Mechanisms subjected regularly to the maximum load	M2	MЗ	M4	M5	M6	_	_	_			

This classification refers to ISO 4301-1 and applies to the mechanical components including gears and bearings except for consumable parts.

ASME HST

		Operation time ratings at \mathcal{K} =0.65								
Hoist	Typical areas of application	Uniformly work p	distributed periods	Infrequent work periods						
duty class		Max. on time, min/ hr	Max. No. starts/ hr	Max. on time from cold start, min	Max. No. of starts					
H2	Light machine shop fabricating, service, and maintenance; loads and utilization randomly distributed; rated loads infrequently handled	7.6 (12.5%)	75	15	100					
H3	General machine shop fabricating, assembly, storage, and warehousing; loads and utilization randomly distributed	15 (25%)	150	30	200					
H4	High volume handling in steel warehouses, machine shops, fabricating plants and mills, and foundries; manual or automatic cycling operations in heat treating and plating; loads at or near rated load frequently handled	30 (50%)	300	30	300					

The grade symbols are identical to those of ASME HST-1M. (Performance standard for Electric Chain Hoist)

FEM Relation between ISO-and FEM-Denominations

1 Dm	1 Cm	1 Bm	1 /	۹m	2 m	3	³ m	4 m		5 m		Class	of	Average	Calculated	
M 1	M 2	М З	M	4	M 5	1	4 6 N	M 7		M 8		operat	ing	operating	total operating time (in hours)	
					Class o	of operati	on time					ume	,	per day (in hours)		
		V 0.06	V 0.02	V 0.25	V 0.5	V 1	V 2	V 3	V 4	V 5		V0.06	TO	≤0.12	200	
Load	d Cubic rum mean value	ТО	T 1	Т2	ТЗ	Т4	Т5	Т6	Т7	Т 8		V0.12	T1	≤0.25	400	
spectrum			I	Averao	le operati	ng time p	I		V0.25	T2	≤0.5	800				
		-0.12	<0.25					□0	□~16	6 16		V0.5	Т3	≤1	1,600	
		50.12	50.25	0.0	⊔≤ı		4	∐≥o		5 >16		V1	T4	≤2	3,200	
1 L1	K ≤0.50	-	-	1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m		V2	T5	≤4	6,300	
2 L2	0.50 <k≤0.63< td=""><td>-</td><td>1 Dm</td><td>1 Cm</td><td>1 Bm</td><td>1 Am</td><td>2 m</td><td>3 m</td><td>4 m</td><td>5 m</td><td></td><td>V3</td><td>Т6</td><td>≤8</td><td>12,500</td></k≤0.63<>	-	1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	5 m		V3	Т6	≤8	12,500	
3 L3	0.63 <k≤0.80< td=""><td>1 Dm</td><td>1 Cm</td><td>1 Bm</td><td>1 Am</td><td>2 m</td><td>3 m</td><td>4 m</td><td>5 m</td><td>_</td><td></td><td>V4</td><td>T7</td><td>≤16</td><td>25,000</td></k≤0.80<>	1 Dm	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	5 m	_		V4	T7	≤16	25,000	
4 L4	0.80 <k≤1.00< td=""><td>1 Cm</td><td>1 Bm</td><td>1 Am</td><td>2 m</td><td>3 m</td><td>4 m</td><td>5 m</td><td>-</td><td>_</td><td></td><td>V5</td><td>Т8</td><td>>16</td><td>50,000</td></k≤1.00<>	1 Cm	1 Bm	1 Am	2 m	3 m	4 m	5 m	-	_		V5	Т8	>16	50,000	

The grade symbols are identical to those of FEM 9.511. (Rules for Design of Serial Lifting Equipment: Classification of Mechanisms)

ER2 Single Speed

With Hook Suspension





- •Standard length of power supply cable is five meters.
- •Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- •Extending the load chain is prohibited with additional links.
- Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.

Specifications

Capacity	Product	Hoist	Standard	Lifting	Motor	Lifting Spee	ed (m/min)	Load	Cha	ain	Classification	Test	Net	Additional Weight
(t)	Code	Body	(m)	Output (kW)	Rating (%ED)	50Hz	60Hz	Diameter (mm)	х	Chain Falls	ISO/FEM/ASME	(t)	(kg)	per 1m Lift (kg)
125kg	ER2-001H	Р		0.50		14.1	16.9	a1.2	V	4		156kg	07	0.40
250kg	ER2-003S	Б		0.56		9.1	10.9	04.5	~	I		313kg	21	0.42
250Kg	ER2-003H			0.9		13.4	16.1					STORY	37	
500kg	ER2-005L	С		0.56		3.8	4.6	ø6.0	х	1	M5/2m/H4	6051/0	33	0.81
SUUKY	ER2-005S			0.0		7.3	8.8				1013/2111/114	020Kg	37	
-1	ER2-010L	П		0.9		3.5	4.2	o7 7	v	4		1.05	47	1 2 2
1	ER2-010S	D	3		60	7.1	8.5	01.1	X	I		1.20	54	1.55
1.5	ER2-015S			1.8		4.5	5.4					1.88	72	
0	ER2-020L	Е				3.7	4.4	ø10.2	х	1		0.5	73	2.3
2	ER2-020S					7.0	8.4					2.0	91	
2.5	ER2-025S	F		25		5.7	6.8	ø11.2	х	1	M4/1Am/H4	3.13	104	2.8
3	ER2-030S	E		3.5		4.4	5.3	ø10.2	х	2		3.75	107	4.7
5	ER2-050S	F				2.9	3.5	ø11.2	х	2		6.25	132	5.6

Dimensions (mm)

Capacity (t)	Product Code	Headroom C	D	a (MFC)	b (MFC)	d (MFC)	e (MFC)	f (MFC)	g	h	i (MFC)
125kg	ER2-001H	350	430	478(564)	201(245)	210(205)	250	260(284)	07	00	02(117)
250kg	ER2-003S	330	430	470(304)	321(343)	219(303)	209	200(204)	21	99	93(117)
250Kg	ER2-003H			510(593)			268				
500kg	ER2-005L	370	490	513(599)	348	242(325)	271(273)	283	27	113	106
SUUKY	ER2-005S			510(593)			268				
-	ER2-010L	400	550	589(632)	070	001(000)	298(300)	005	01	100	110
I	ER2-010S	430	550	598(639)	3/6	291(332)	307	330	31	129	118
1.5	ER2-015S	510		C4C(700)		000(007)	000(0.44)		34		
0	ER2-020L	575	630	646(738)	427	308(397)	338(341)	384.5		160.5	137.5
2	ER2-020S	590		703(782)		347(426)	356		39		
2.5	ER2-025S	625	840	736(826)	445	337(427)	399	437.5		173.5	142.5
3	ER2-030S	785	000	703(782)	427	347(426)	356	397	44	216	82
5	ER2-050S	850	920	736(826)	445	337(427)	399	439	47	231.5	84.5

Note: Figures in () are data for mechanical brake with friction clutch.

ER2 Dual Speed inverter

With Hook Suspension





- •Standard length of power supply cable is five meters.
- •Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- •Extending the load chain is prohibited with additional links.
- •Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.
- •Lifting Speed in catalogue is at the rated load. It may vary depending on actual load.

Specifications

Capacity	Product	Hoist	Standard	Lifting	Motor	Lifting S	peed (m/	/min)*	Load	Cha	ain	Classification	Test	Net	Additional Weight
(t)	Code	Body	(m)	Output	Rating		50/6	60Hz	Diameter	v	Chain	ISO/FEM/ASME	Load (t)	(ka)	per 1m Lift
			<u> </u>	(kW)	(%ED)		High	Low	(mm)	×	Falls		()	(3/	(Kg)
125kg	ER2-001IH	-		0.50		Preset Adjustable	16.6	<u>2.8</u> 1.4	-10		4		156kg	07	0.40
250kg	ER2-003IS	Б		0.56		Preset Adjustable	10.8	1.8 0.9	04.3	х	1		010kg	21	0.42
250Kg	ER2-003IH			0.9		Preset Adjustable	15.7	<u>2.6</u> 1.3	-			M6/3m/H4 (M5/2m/H4)	STORY	36	
FOOka	ER2-005IL	С		0.56		Preset Adjustable	4.5	0.8 0.4	ø6.0	х	1	(605kg	32	0.81
SUUKG	ER2-005IS			0.0		Preset Adjustable	8.5	1.4 0.7					барку	36	
-1	ER2-010IL	Ĺ		0.9		Preset Adjustable	4.2	0.7	~7.7		-		1.05	45	1.00
1	ER2-010IS	D	3		40/20	Preset Adjustable	8.2	1.4 0.7	01.1	х	I	M5/2m/H4	1.20	52	1.55
1.5	ER2-015IS			1.8		Preset Adjustable	5.3	0.9 0.4	_				1.88	72	
2	ER2-020IL	Е				Preset Adjustable	4.3	0.7 0.4	ø10.2	х	1		25	73	2.3
2	ER2-020IS					Preset Adjustable	8.2	1.4 0.7					2.0	89	
2.5	ER2-025IS	F		25		Preset Adjustable	6.6	1.1 0.6	ø11.2	х	1	M4/1Am/H4	3.13	100	2.8
3	ER2-030IS	Е		3.0		Preset Adjustable	5.2	0.9	ø10.2	х	2		3.75	105	4.7
5	ER2-050IS	F				Preset Adjustable	3.3	0.6	ø11.2	х	2		6.25	128	5.6

Note: The high speed is preset to the maximum speed in KITO factory. The speeds are adjustable between High and Low. Figures in () are data for mechanical brake with friction clutch.

Dimensions (mm)

Capacity (t)	Product Code	Headroom C	D	a (MFC)	b	d (MFC)	e (MFC)	f	g	h	i
125kg	ER2-001IH	250	420		0.45	076(005)	050	004	07	00	117
0501/2	ER2-003IS	350	430	JJJJ(JD4)	340	276(303)	209	204	21	99	117
250Kg	ER2-003IH			568(593)			268				
FOOler	ER2-005IL	370	490	571(598)	348	300(325)	271(273)	283	27	113	106
SUUKG	ER2-005IS			568(593)			268				
4	ER2-010IL	420	550	614(632)	276	216(220)	298(300)	225	01	100	110
	ER2-010IS	430	550	623(639)	3/0	310(332)	307	330	31	129	110
1.5	ER2-015IS	510		710(727)		270(207)	220(240)		34		
	ER2-020IL	575	630	/10(/37)	427	372(397)	330(340)	384.5		160.5	137.5
2	ER2-020IS	590		767(782)		411(426)	356		39		
2.5	ER2-025IS	625	840	800(826)	445	401(427)	399	437.5		173.5	142.5
3	ER2-030IS	785	020	767(782)	427	411(426)	356	397	44	216	82
5	ER2-050IS	850	920	800(826)	445	401(427)	399	439	47	231.5	84.5

Note: Figures in () are data for mechanical brake with friction clutch.

ER2M Single Lifting - Single Traversing Speed

With Motorized Trolley



- •Standard length of power supply cable is ten meters.
- •Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- •Extending the load chain is prohibited with additional links.
- •Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.
- •Single Lifting Dual Traversing is also available.

Specifications

						ER:	2							MR	2					
Capacity	Due du et Oe de		Stan-	Lifting	Motor	Lift	ting	Load C	Chain	Classifi-	Traversi	ng Motor	Trave	rsing	Flange (m	Nidth B m)	Min.	Test	Net	Additional Weight
(t)	Product Code	Hoist Body	dard	Output	Rating	(m/i	eea min)	Diameter	Chain	cation	Output	Rating	(m/r	nin)		Option	Radius Curve	Load (t)	Weight (kg)	per 1m Lift
		,	(m)	(kŴ)	(%ED)	50Hz	60Hz	(mm)	x Falls	/ASME	(kŴ)	(%ED)	50Hz	60Hz	Standard	W30 (305mm)	(mm)			(kg)
125kg	ER2M001H-S/L	Б		0.56		14.1	16.9	a1 2	v 1									156kg	50	0.40
250kg	ER2M003S-S/L	Б		0.50		9.1	10.9	04.3	XI									313ka	50	0.42
230Kg	ER2M003H-S/L			0.9		13.4	16.1											UTORY	68	
500kg	ER2M005L-S/L	С		0.56		3.8	4.6	ø6.0	x 1	M5/2m					58 to 153	154 to 305		605kg	64	0.81
SUUKY	ER2M005S-S/L			0.0		7.3	8.8			/H4							000	020Kg	68	
- 1	ER2M010L-S/L	П		0.9		3.5	4.2	07.7	v 1		01		~~				800	1.05	77	1 00
1	ER2M010S-S/L	U	3		60	7.1	8.5	01.1	XI		0.4	40	(10)	(12)				1.20	84	1.55
1.5	ER2M015S-S/L			1.8		4.5	5.4						(10)	(12)				1.88	110	
	ER2M020L-S/L	Е				3.7	4.4	ø10.2	x 1									0.5	111	2.3
2	ER2M020S-S/L					7.0	8.4								82 to 178	170 1- 005		2.0	129	
2.5	ER2M025S-S/L	F		0.5		5.7	6.8	ø11.2	x 1	M4/1Am /H4						179 to 305	1000	3.13	152	2.8
3	ER2M030S-S/L	Е		3.5		4.4	5.3	ø10.2	x 2								1000	3.75	155	4.7
5	ER2M050S-S/L	F				2.9	3.5	ø11.2	x 2		0.75				100 to 178		1800	6.25	202	5.6

Note: The bracketed figures in Traversing Speed are low speed. The minimum radius curve may depend on flange width. For further information, contact the nearest KITO dealer.

Capacity (t)	Product Code	Headroom C	D	b	d	е	e'	g	i	j	k	m	n	r	t	u
125kg	ER2M001H-S/L	075	450													
250kg	ER2M003S-S/L	375	450													
250Kg	ER2M003H-S/L							27								
500kg	ER2M005L-S/L	395	510	315	220	515	179		95	22	130	205	109	51	31	83
JUUKY	ER2M005S-S/L															
-	ER2M010L-S/L	135	550					21								
1	ER2M010S-S/L	435	550					31								
1.5	ER2M015S-S/L	505						34								
2	ER2M020L-S/L	570	630	325	225	520	184		110	27	125	212	118	60	36	76
2	ER2M020S-S/L	585						39								
2.5	ER2M025S-S/L	620	830	240	006	501	106		105	20	101	015	100	60	10	70
3	ER2M030S-S/L	765	900	340	220	521	100	44	125	29	131	215	132	00	43	70
5	ER2M050S-S/L	840	910	400	281	528	192	47	140	44	145	233	150	86	54	56

ER2M Dual Lifting inverter - Dual Traversing Speed inverter

With Motorized Trolley





- •Standard length of power supply cable is ten meters.
- •Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- •Extending the load chain is prohibited with additional links.
- •Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.
- •Lifting Speed in catalogue is at the rated load. It may vary depending on actual load.

Specifications

						ER2									MR2	2						
Capacity	Product Code		Stan-	Lifting	Motor	Lifting	Speed (m/min)*	Load C	Chain	Classifi-	Traversi	ng Motor	Traversi (m	ng Sp i/min)	eed*	Flange (m	Width B Im)	Min.	Test	Net	Additional Weight
(t)	FIGURE CODE	Hoist Body	dard Lift	Output	Rating		50/6	60Hz	Diameter	Chain	cation ISO/FEM	Output	Rating		50/6	60Hz	Oterraleuri	Option	Radius Curve	Load	Weight	Lift
		-	(m)	(kŴ)	(%ED)		High	Low	(mm)	* Falls	/ASME	(kŴ)	(%ED)		High	Low	Standard	W30 (305mm)	(mm)	(1)	(Kg)	(kg)
125kg	ER2M001IH-IS	_		0.50		Preset Adjustable	16.6	2.8	- 1.0											156kg	50	0.40
0501.0	ER2M003IS-IS	в		0.56		Preset Adjustable	10.8	1.8 0.9	Ø4.3	ХІ	M6/3m									0101-0	59	0.42
250Kg	ER2M003IH-IS			0.9		Preset Adjustable	15.7	2.6 1.3			/H4									3 I 3Kg	69	
FOOler	ER2M005IL-IS	С		0.56		Preset Adjustable	4.5	0.8	ø6.0	x 1	(/H4)						58 to 153	154 to 305		COElia	65	0.81
SUUKG	ER2M005IS-IS					Preset Adjustable	8.5	1.4 0.7											000	о∠эку	69	
4	ER2M010IL-IS			0.9		Preset Adjustable	4.2	0.7	07.7	v 1		0.4		Preset	24	4			000	1.05	77	1 00
1	ER2M010IS-IS		3		40/20	Preset Adjustable	8.2	1.4 0.7	01.1	XI	M5/2m /H4	0.4	27/13							1.20	84	1.55
1.5	ER2M015IS-IS			1.8		Preset Adjustable	5.3	0.9						Adjustable	24	2.4				1.88	111	
2	ER2M020IL-IS	Е				Preset Adjustable	4.3	0.7 0.4	ø10.2	x 1										0.5	112	2.3
2	ER2M020IS-IS					Preset Adjustable	8.2	1.4 0.7									82 to 178	170 to 205		2.0	129	
2.5	ER2M025IS-IS	F		0.5		Preset Adjustable	6.6	1.1 0.6	ø11.2	x 1	M4/1Am /H4							17910300	1000	3.13	151	2.8
3	ER2M030IS-IS	Е		3.5		Preset Adjustable	5.2	0.9	ø10.2	x 2									1000	3.75	155	4.7
5	ER2M050IS-IS	F				Preset Adjustable	3.3	0.6	ø11.2	x 2		0.75					100 to 178		1800	6.25	200	5.6

Note: The minimum radius curve may depend on flange width. For further information, contact the nearest KITO dealer. The high speed is preset to the maximum speed in KITO factory. The speeds are adjustable between High and Low. Figures in () are data for mechanical brake with friction clutch.

Capacity (t)	Product Code	Headroom C	D	b	d	е	e'	g	i	j	k	m	n	r	t	u
125kg	ER2M001IH-IS	075	450													
250kg	ER2M003IS-IS	375	430													
250Kg	ER2M003IH-IS							27								
500kg	ER2M005IL-IS	395	510	315	220	515	179		95	22	130	205	109	51	31	83
SUUKG	ER2M005IS-IS															
4	ER2M010IL-IS	105	FEO					0.1								
1	ER2M010IS-IS	435	550					51								
1.5	ER2M015IS-IS	505						34								
0	ER2M020IL-IS	570	630	325	225	520	184		110	27	125	212	118	60	36	76
2	ER2M020IS-IS	585						39								
2.5	ER2M025IS-IS	620	830	240	006	501	100		105	00	101	015	100	60	40	70
3	ER2M030IS-IS	765	900	340	220	521	100	44	120	29	131	215	132	00	43	70
5	ER2M050IS-IS	840	910	400	281	528	192	47	140	44	145	233	150	86	54	56

ER2SG Single Speed

With Geared Trolley





- •Standard length of power supply cable is five meters.
- •Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- •Extending the load chain is prohibited with additional links.
- •Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.

Specifications

						ER2							TSG					
Capacity	Draduat Cada		Stan-	Lifting	g Motor	Lif	ting	Load C	Chain	Classifi-	Folded	Flar	nge Width B (i	mm)	Min.	Test	Net	Additional Weight
(t)	Product Code	Hoist Body	dard Lift	Output	Rating	(m/	min)	Diameter	, Chain	cation ISO/FEM	Chain	Standard	Op	tion	Radius Curve	(t)	(kg)	per 1m Lift
			(m)	(kŴ)	(%ED)	50Hz	60Hz	(mm)	* Falls	/ASME	E (m)	Stanuaru	W20 (203mm)	W30 (305mm)	(mm)			(kg)
125kg	ER2SG001H	Б		0.56		14.1	16.9	a1 2	v 1							156kg	10	4.4
250kg	ER2SG003S	Б		0.56		9.1	10.9	Ø4.3	XI							313ka	40	1.4
230Kg	ER2SG003H			0.9		13.4	16.1									STORY	50	
500kg	ER2SG005L	С		0.56		3.8	4.6	ø6.0	x 1	M5/2m		58 to 127	128 to 203	204 to 305	1300	6051/0	46	1.7
SUUKY	ER2SG005S			0.0		7.3	8.8			/H4						020Kg	50	
-	ER2SG010L			0.9		3.5	4.2	o7 7	v 1		0.0					1.05	59	0.0
1	ER2SG010S	D	3		60	7.1	8.5	07.7	XI		2.0					1.20	66	2.3
1.5	ER2SG015S			1.8		4.5	5.4									1.88	89	
0	ER2SG020L	Е				3.7	4.4	ø10.2	x 1						1500	0.5	90	3.2
2	ER2SG020S					7.0	8.4					82 to 153		154 to 305		2.0	109	
2.5	ER2SG025S	F		0.5		5.7	6.8	ø11.2	x 1	M4/1Am /H4			-		1700	3.13	132	3.7
3	ER2SG030S	E		3.5		4.4	5.3	ø10.2	x 2						1700	3.75	134	5.6
5	ER2SG050S	F				2.9	3.5	ø11.2	x 2		3.3	100 to 178		179 to 305	2300	6.25	188	6.5

Capacity (t)	Product Code	Headroom C	D	а	b	е	g	h	i	j	k	k'	m	n	0	р	q	r	t	u
125kg	ER2SG001H	415	400																	
250kg	ER2SG003S	415	490																	
250Kg	ER2SG003H						27													
500kg	ER2SG005L	435	550	345	236	152		106	71	28	95	107	56	112	50		69	50	25	
SUUKY	ER2SG005S																			
-1	ER2SG010L	470	500				21													
1	ER2SG010S	470	590				31									10				183
1.5	ER2SG015S	570					34													
2	ER2SG020L	635	690	385	280	154		127	85	34	112	109	71	131	63		83	62	32	
2	ER2SG020S	650					39													
2.5	ER2SG025S	680	890	202	204	157		140	100	26	104	445	00	150	74		100	60	26	
3	ER2SG030S	780	010	398	324	157	44	148	100	30	134	115	80	152	74		102	68	30	
5	ER2SG050S	840	910	401	400	156	47	169	118	46	144	131	81	178	70		104	88	54	

ER2SG Dual Speed inverter

With Geared Trolley





- •Standard length of power supply cable is five meters.
- •Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- •Extending the load chain is prohibited with additional links.
- •Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.
- •Lifting Speed in catalogue is at the rated load. It may vary depending on actual load.

Specifications

				ER2 TSG															
Capacity			Chandard	Lifting	Motor	Lifting	Speed (r	n/min)*	Load C	hain	Classifi-	Folded	Flang	e Width B	(mm)	Min.	Test	Net	Weight
(t)	Product Code	Hoist Body	Lift	Output	Rating]	50/6	60Hz	Diameter	Chain	cation ISO/FEM	Chain	Standard	Op	tion	Radius Curve	Load (t)	Weight (kg)	per 1m Lift
		-	(11)	(kŴ)	(%ED)		High	Low	(mm) ×	Falls	/ASME	E (m)	Standard	W20 (203mm)	W30 (305mm)	(mm)			(Kg)
125kg	ER2SG001IH	Б		0.50		Preset Adjustable	16.6	<u>2.8</u> 1.4	~10								156kg	10	- 1
250kg	ER2SG003IS	Б		0.56		Preset Adjustable	10.8	1.8 0.9	04.3	XI							319kg	40	1.4
230Kg	ER2SG003IH			0.9		Preset Adjustable	15.7	2.6 1.3	_		M6/3m /H4						STORY	49	
500kg	ER2SG005IL	С		0.56		Preset Adjustable	4.5	0.8	ø6.0	x 1			58 to 127	128 to 203	204 to 305	1300	625kg	45	1.7
JUUKY	ER2SG005IS			0.0		Preset Adjustable	8.5	1.4 0.7	_								UZUNY	49	
1	ER2SG010IL			0.9		Preset Adjustable	4.2	0.7	077	v 1		28					1.05	57	0.3
1	ER2SG010IS	D	3		40/20	Preset Adjustable	8.2	1.4 0.7	01.1	× 1	M5/2m /H4	2.0					1.20	64	2.0
1.5	ER2SG015IS			1.8		Preset Adjustable	5.3	0.9									1.88	89	
2	ER2SG020IL	E				Preset Adjustable	4.3	0.7	ø10.2	x 1						1500	25	90	3.2
2	ER2SG020IS					Preset Adjustable	8.2	1.4 0.7	-				82 to 153		154 to 305		2.0	107	
2.5	ER2SG025IS	F		25		Preset Adjustable	6.6	1.1 0.6	ø11.2	x 1	M4/1Am /H4			_		1700	3.13	128	3.7
3	ER2SG030IS	Е		3.5		Preset Adjustable	5.2	0.9 0.4	ø10.2	x 2						1700	3.75	132	5.6
5	ER2SG050IS	F				Preset Adjustable	3.3	0.6	ø11.2	x 2		3.3	100 to 178		179 to 305	2300	6.25	184	6.5

Note: The high speed is preset to the maximum speed in KITO factory. The speeds are adjustable between High and Low.

Capacity (t)	Product Code	Headroom C	D	а	b	е	g	h	i	j	k	k'	m	n	0	р	q	r	t	u
125kg	ER2SG001IH	415	100																	
250kg	ER2SG003IS	415	490																	
Zoukg	ER2SG003IH]			27													
500kg	ER2SG005IL	435	550	345	236	152		106	71	28	95	107	56	112	50		69	50	25	
SUUKG	ER2SG005IS]																		
-	ER2SG010IL	470	500				0.1													
1	ER2SG010IS	470	590				31									10				183
1.5	ER2SG015IS	570					34													
	ER2SG020IL	635	690	385	280	154		127	85	34	112	109	71	131	63		83	62	32	
2	ER2SG020IS	650					39													
2.5	ER2SG025IS	680	890	000	004	157		140	100	00	104			150	74		100	<u> </u>	00	
3	ER2SG030IS	780	010	398	324	157	44	148	100	30	134	115	80	152	74		102	60	30	
5	ER2SG050IS	840	910	401	400	156	47	169	118	46	144	131	81	178	70		104	88	54	

ER2SP Single Speed

With Plain Trolley





- •Standard length of power supply cable is five meters.
- •Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- •Extending the load chain is prohibited with additional links.
- •Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.
- •The hoist direction to a beam for 3 t or 5 t is different 90 degrees.

Specifications

						E	R2				TSF	b				
Capacity	Dreduct Code		Stan-	Lifting	Motor	Lift	ing	Load Chain		Flan	ge Width B (mm)	Min.	Test	Net	Additional Weight
(t)	Product Code	Hoist Body	dard Lift	Output	Rating	(m/	min)	Diameter , Chair	Classification ISO/FEM/ASME	Standard	Op	tion	Radius Curve	(t)	(kg)	per 1m Lift
		_	(m)	(kŴ)	(%ED)	50Hz	60Hz	(mm) * Falls		Standard	W20 (203mm)	W30 (305mm)	(mm)			(kg)
125kg	ER2SP001H	D		0.56		14.1	16.9	a12 x 1						156kg	20	0.40
250kg	ER2SP003S	Б		0.50		9.1	10.9	04.3 X I						313ka	32	0.42
230Kg	ER2SP003H			0.9		13.4	16.1			50 to 102	103 to 203		1100	STORY	42	
500kg	ER2SP005L	С		0.56		3.8	4.6	ø6.0 x 1	M5/2m/H4			204 to 305		625kg	38	0.81
SUUKY	ER2SP005S			0.0		7.3	8.8							020Kg	42	
-1	ER2SP010L			0.9		3.5	4.2	077 × 1		59 to 107	108 to 202		1200	1.05	55	1 22
1	ER2SP010S	D	3		60	7.1	8.5	Ø7.7 X I		56 10 127	128 10 203		1300	1.20	62	1.55
1.5	ER2SP015S			1.8		4.5	5.4							1.88	85	
2	ER2SP020L	E				3.7	4.4	ø10.2 x 1					1500	2.5	86	2.3
2	ER2SP020S					7.0	8.4			82 to 153		154 to 305		2.0	105	
2.5	ER2SP025S	F		25		5.7	6.8	ø11.2 x 1	M4/1Am/H4		_		1700	3.13	128	2.8
3	ER2SP030S	Е		0.0		4.4	5.3	ø10.2 x 2					1700	3.75	130	4.7
5	ER2SP050S	F				2.9	3.5	ø11.2 x 2		100 to 178		179 to 305	2300	6.25	182	5.6

Capacity (t)	Product Code	Headroom C	D	а	b	е	g	h	i	j	k	m	n	0	р	q	r	t
125kg	ER2SP001H	205	470															
2501/0	ER2SP003S	395	470															
250Kg	ER2SP003H			204	182	46	27	82	60	21	76	47.5	84	42		54	38	22
500kg	ER2SP005L	415	530															
SUUKY	ER2SP005S																	
4	ER2SP010L	470	500	240	026	56	01	106	71	00	05	56	110	50		60	50	05
1	ER2SP010S	470	590	249	230	50	51	100	11	20	90	50	112	50	10	09	50	25
1.5	ER2SP015S	570					34											
0	ER2SP020L	635	690	300	280	69		127	85	34	112	71	131	63		83	62	32
2	ER2SP020S	650					39											
2.5	ER2SP025S	680	890	200	204	70		110	100	26	104	00	150	74		100	6	26
3	ER2SP030S	780	010	320	324	19	44	140	100	30	134	80	192	74		102	00	30
5	ER2SP050S	840	910	297	400	53	47	169	118	46	144	81	178	70		104	88	54

ER2SP Dual Speed inverter

With Plain Trolley





- •Standard length of power supply cable is five meters.
- •Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- •Extending the load chain is prohibited with additional links.
- •Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.
- •The hoist direction to a beam for 3 t or 5 t is different 90 degrees.
- •Lifting Speed in catalogue is at the rated load. It may vary depending on actual load.

Specifications

						ER2						TS	SP				
Capacity			Standard	Lifting	Motor	Lifting	Speed (n	n/min)*	Load Chain	Classifi-	Flang	e Width B	(mm)	Min.	Test	Net	Additional Weight
(t)	Product Code	Hoist Body	Lift	Output	Rating		50/6	60Hz	Diameter_ Chain	cation ISO/FEM	Standard	Op	tion	Radius Curve	Load (t)	Weight (kg)	per 1m Lift
			(m)	(kŴ)	(%ED)		High	Low	(mm) ^x Falls	/ASME	Stanuaru	W20 (203mm)	W30 (305mm)	(mm)			(kg)
125kg	ER2SP001IH	Б		0.56		Preset Adjustable	16.6	2.8 1.4	a12 x 1						156kg	20	0.40
250kg	ER2SP003IS	Б		0.56		Preset Adjustable	10.8	1.8 0.9	04.3 X I						31310	32	0.42
230Kg	ER2SP003IH			0.9		Preset Adjustable	15.7	2.6 1.3		M6/3m /H4	50 to 102	103 to 203		1100	STORY	41	
500kg	ER2SP005IL	С		0.56		Preset Adjustable	4.5	0.8 0.4	ø6.0 x 1				204 to 305		625kg	37	0.81
JUUKY	ER2SP005IS			0.0		Preset Adjustable	8.5	1.4 0.7							UZUKY	41	
1	ER2SP010IL			0.9		Preset Adjustable	4.2	0.7	077 x 1		58 to 127	128 to 203		1300	1.05	53	1 22
I	ER2SP010IS	D	3		40/20	Preset Adjustable	8.2	1.4 0.7	07.7 X I	M5/2m /H4	0010121	120 10 200		1000	1.20	60	1.55
1.5	ER2SP015IS			1.8		Preset Adjustable	5.3	0.9							1.88	85	
2	ER2SP020IL	E				Preset Adjustable	4.3	0.7	ø10.2 x 1					1500	2.5	86	2.3
2	ER2SP020IS					Preset Adjustable	8.2	1.4 0.7			82 to 153		154 to 305		2.5	103	
2.5	ER2SP025IS	F		3.5		Preset Adjustable	6.6	1.1 0.6	ø11.2 x 1	M4/1Am /H4				1700	3.13	124	2.8
3	ER2SP030IS	E		5.5		Preset Adjustable	5.2	0.9	ø10.2 x 2					1700	3.75	128	4.7
5	ER2SP050IS	F				Preset Adjustable	3.3	0.6	ø11.2 x 2		100 to 178		179 to 305	2300	6.25	178	5.6

Note: The high speed is preset to the maximum speed in KITO factory. The speeds are adjustable between High and Low.

Capacity (t)	Product Code	Headroom C	D	а	b	е	g	h	i	j	k	m	n	ο	р	q	r	t
125kg	ER2SP001IH	205	470															
250kg	ER2SP003IS	395	470															
250Kg	ER2SP003IH			204	182	46	27	82	60	21	76	47.5	84	42		54	38	22
500kg	ER2SP005IL	415	530															
SUUKY	ER2SP005IS																	
-	ER2SP010IL	470	500	240	0.06	56	01	106	71	00	05	56	110	50		60	50	05
1	ER2SP010IS	470	590	249	230	50	31	100	11	20	90	50	112	50	10	09	50	20
1.5	ER2SP015IS	570					34											
2	ER2SP020IL	635	690	300	280	69		127	85	34	112	71	131	63		83	62	32
2	ER2SP020IS	650					39											
2.5	ER2SP025IS	680	890	200	204	70		1/0	100	26	104	00	150	74		100	60	26
3	ER2SP030IS	780	010	320	324	79	44	140	100	30	134	80	152	74		102	00	30
5	ER2SP050IS	840	910	297	400	53	47	169	118	46	144	81	178	70		104	88	54

ER2 Dual Speed 500V pole change

With Hook Suspension





- •Standard length of power supply cable is five meters.
- •Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- •Extending the load chain is prohibited with additional links.
- Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.

Specifications

Capacity	Product	Hoist	Standard	Lifting	Motor	Lifting Speed (m/min)	Load	Cha	ain	Classification	Test	Net	Additional Weight
(t)	Code	Body	(m)	Output (kW)	Rating (%ED)	50Hz	Diameter (mm)	x	Chain Falls	ISO/FEM/ASME	(t)	(kg)	per 1m Lift (kg)
125kg	ER2-001HD	D				14.2/3.5	a1 2	X	4		156kg	21	0.42
250kg	ER2-003SD	D		0.5/0.13		7.2/1.8	04.3	х	I		313kg	51	0.42
500kg	ER2-005LD	(3.6/0.9	~ <u>6</u> 0	v	4		6051/0	39	0.01
SUUKY	ER2-005SD	0		0.0/0.02		7.1/1.8	00.0	X	I	M5/2m/H4	020Kg	43	0.01
1	ER2-010LD	C		0.9/0.23		3.5/0.9	o7 7	v	4		1.05	56	1 00
1	ER2-010SD	D	2		40/00	7.2/1.7	01.1	х	I		1.20	58	1.55
1.5	ER2-015SD		5	1.8/0.45	40/20	4.8/1.2					1.88	74	
2	ER2-020LD	Е				3.7/0.9	ø10.2	х	1		0.5	76	2.3
2	ER2-020SD					6.9/1.6					2.0	97	
2.5	ER2-025SD	F		0 5/0 00		5.5/1.3	ø11.2	х	1	M4/1Am/H4	3.13	108	2.8
3	ER2-030SD	Е		3.0/0.66		4.4/1.0	ø10.2	х	2		3.75	113	4.7
5	ER2-050SD	F				2.8/0.6	ø11.2	х	2		6.25	134	5.6

Dimensions (mm)

Capacity (t)	Product Code	Headroom C	D	a (MFC)	b (MFC)	d (MFC)	e (MFC)	f (MFC)	g	h	i (MFC)
125kg	ER2-001HD	250	420	478	321	219	250	260	07	00	93
250kg	ER2-003SD	350	430	(564)	(345)	(305)	209	(284)	21	99	(117)
500kg	ER2-005LD	270	400	513 (598)	240	242	271 (273)	000	07	110	106
SUUKG	ER2-005SD	370	490	533 (616)	340	(325)	291	203	21	113	106
-	ER2-010LD	420	550	589 (632)	276	291	298 (300)	225	01	100	110
1	ER2-010SD	430	550	615 (656)	370	(332)	324	335	51	129	110
1.5	ER2-015SD	510		646		308	338		34		
0	ER2-020LD	575	630	(737)	427	(397)	(340)	384.5		160.5	137.5
2	ER2-020SD	590		737 (816)		347 (426)	390		39		
2.5	ER2-025SD	625	840	736 (826)	445	337 (427)	399	437.5		173.5	142.5
3	ER2-030SD	785	020	737 (816)	427	347 (426)	390	397	44	216	82
5	ER2-050SD	850	920	,736 (826)	445	337 (427)	399	439	47	231.5	84.5

Note: Figures in () are data for mechanical brake with friction clutch.

ER2M Dual Lifting pole change - Dual Traversing Speed 500V pole change

With Motorized Trolley





- •Standard length of power supply cable is ten meters.
- •Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- •Extending the load chain is prohibited with additional links.
- •Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.

Specifications

					ER2						MR2						
Capacity	Broduct Code		Stan-	Lifting I	Motor	Lifting	Load Chain	Classifi-	Traversing	Motor	Traversing	Flange (m	Width B m)	_Min.	Test	Net	Additional Weight
(t)	Product Code	Hoist Body	dard Lift	Output	Rating	(m/min)	Diameter_Chain	cation ISO/FEM	Output	Rating	(m/min)	Standard	Option	Radius Curve	(t)	(kg)	per 1m Lift
			(m)	(kW)	(%ED)	50Hz	(mm) ^ Falls	/ASME	(kW)	(%ED)	50Hz	Stanuaru	W30 (305mm)	(mm)			(KG)
125kg	ER2M001HD-SD	Б				14.2/3.5	a12 v1								156kg	66	0.40
250kg	ER2M003SD-SD	D		0.5/0.13		7.2/1.8	04.3 X I								313kg	00	0.42
500kg	ER2M005LD-SD	C				3.6/0.9	~6 0 × 1					50 to 150	151 to 205		605kg	74	0.01
SUUKY	ER2M005SD-SD	0		0 0/0 02		7.1/1.8	00.0 X I	M5/2m /H4				3610133	104 10 300		020Kg	77	0.01
4	ER2M010LD-SD	П		0.9/0.23		3.5/0.9	077 x 1		0.32/0.08					800	1 05	89	1 22
	ER2M010SD-SD	U	3		10/20	7.2/1.7	Ø7.7 X I			27/13	20/5			800	1.20	92	1.55
1.5	ER2M015SD-SD		0	1.8/0.45	-0/20	4.8/1.2				21/10	20/3				1.88	116	
2	ER2M020LD-SD	Е				3.7/0.9	ø10.2 x 1								25	117	2.3
2	ER2M020SD-SD					6.9/1.6						82 to 178	170 +0 205		2.0	138	
2.5	ER2M025SD-SD	F		2 5/0 00		5.5/1.3	ø11.2 x 1	M4/1Am /H4					17910-303	1000	3.13	159	2.8
3	ER2M030SD-SD	Е		3.5/0.88		4.4/1.0	ø10.2 x 2		0.64/0.16					1000	3.75	164	4.7
5	ER2M050SD-SD	F				2.8/0.6	11.2 x 2					100 to 178		1800	6.25	208	5.6

Note: The minimum radius curve may depend on flange width. For further information, contact the nearest KITO dealer.

Capacity (t)	Product Code	Headroom C	D	b	d	е	e'	g	i	j	k	m	n	r	t	u
125kg	ER2M001HD-SD	275	450													
250kg	ER2M003SD-SD	375	430					07								
500kg	ER2M005LD-SD	205	510	215	269	515	170	21	05	22	120	205	100	51	21	03
JUUKY	ER2M005SD-SD	393	510	515	200	010	179		90	22	130	200	109	51	51	00
4	ER2M010LD-SD	135	550					21								
1	ER2M010SD-SD	400	550					51								
1.5	ER2M015SD-SD	505						34								
2	ER2M020LD-SD	570	630	325	273	520	184		110	27	125	212	118	60	36	77
2	ER2M020SD-SD	585						39								
2.5	ER2M025SD-SD	620	830	240	074	501	106		105	20	101	015	120	60	10	70
3	ER2M030SD-SD	765	900	340	274	521	100	44	125	29	131	215	132	00	43	70
5	ER2M050SD-SD	840	910	400	281	528	192	47	140	44	145	233	150	86	54	56

ER2SG Dual Speed **500V** pole change

With Geared Trolley





- •Standard length of power supply cable is five meters.
- •Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- •Extending the load chain is prohibited with additional links.
- •Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.

Specifications

					ER2						TSG					
Capacity			Standard	Lifting	Motor	Lifting	Load Chain	Classifi-	Folded	Flang	e Width B	(mm)	Min.	Test	Net	Additional Weight
(t)	Product Code	Hoist Body	Lift	Output	Rating	(m/min)	Diameter Chain	cation ISO/FEM	Chain	Standard	Opt	tion	Radius Curve	(t)	(kg)	Lift
			(11)	(kŴ)	(%ED)	50Hz	(mm) * Falls	/ASME	E (m)	otandara	W20 (203mm)	W30 (305mm)	(mm)			(Kg)
125kg	ER2SG001HD	Б				14.2/3.5	~10 x 1							156kg		1 4
250kg	ER2SG003SD	D		0.5/0.13		7.2/1.8	04.3 X I							313kg	44	1.4
500kg	ER2SG005LD	C				3.6/0.9	260 x 1			58 to 127	108 to 203	201 to 305	1200	6051/0	52	17
SUUKY	ER2SG005SD	0		0 0/0 02		7.1/1.8	00.0 X I	M5/2m /H4		3010127	120 10 200	204 10 303	1300	020Kg	56	1.7
4	ER2SG010LD	C		0.9/0.23		3.5/0.9	077 x 1							1.05	68	23
1	ER2SG010SD	U	3		10/20	7.2/1.7	Ø7.7 X I		2.8					1.20	70	2.3
1.5	ER2SG015SD			1.8/0.45	40/20	4.8/1.2								1.88	91	
2	ER2SG020LD	Е				3.7/0.9	ø10.2 x 1						1500	25	93	3.2
2	ER2SG020SD					6.9/1.6				82 to 153		154 to 305		2.0	115	
2.5	ER2SG025SD	F		2 5/0 00		5.5/1.3	ø11.2 x 1	M4/1Am /H4			-		1700	3.13	136	3.7
3	ER2SG030SD	Е		3.3/0.88		4.4/1.0	ø10.2 x 2						1700	3.75	140	5.6
5	ER2SG050SD	F				2.8/0.6	ø11.2 x 2		3.3	100 to 178		179 to 305	2300	6.25	190	6.5

Capacity (t)	Product Code	Headroom C	D	а	b	е	g	h	i	j	k	k'	m	n	0	р	q	r	t	u
125kg	ER2SG001HD	415	400																	
250kg	ER2SG003SD	415	490				07													
500kg	ER2SG005LD	125	550	245	026	150	21	106	71	00	05	107	56	110	50		60	50	25	
SUUKY	ER2SG005SD	430	550	345	230	102		100	(1	20	90	107	50	112	50		09	50	20	
-	ER2SG010LD	470	500				01													
	ER2SG010SD	470	590				31									10				100
1.5	ER2SG015SD	570					34									10				103
0	ER2SG020LD	635	690	385	280	154		127	85	34	112	109	71	131	63		83	62	32	
2	ER2SG020SD	650					39													
2.5	ER2SG025SD	680	890	202	204	157		140	100	26	104	445	00	150	74		100	69	26	
3	ER2SG030SD	780	010	398	324	157	44	148	100	30	134	115	80	152	74		102	68	30	
5	ER2SG050SD	840	910	401	400	156	47	169	118	46	144	131	81	178	70		104	88	54	

ER2SP Dual Speed **500V** pole change

With Plain Trolley





- •Standard length of power supply cable is five meters.
- •Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- •Extending the load chain is prohibited with additional links.
- •Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.
- •The hoist direction to a beam for 3 t or 5 t is different 90 degrees.

Specifications

					ER2						TS	SP				
Capacity	5		Standard	Lifting	Motor	Lifting	Load C	hain	Classifi-	Flang	ge Width B	(mm)	Min.	Test	Net	Additional Weight
(t)	Product Code	Hoist Body	Lift	Output	Rating	(m/min)	Diameter	Chain	cation ISO/FEM	Standard	Op	tion	Radius Curve	Load (t)	Weight (kg)	Lift
			(11)	(kŴ)	(%ED)	50Hz	(mm) '	* Falls	/ASME	otandara	W20 (203mm)	W30 (305mm)	(mm)			(Kg)
125kg	ER2SP001HD	Б				14.2/3.5	a12	v 1						156kg	26	0.42
250kg	ER2SP003SD	D		0.5/0.13		7.2/1.8	04.5	XI		50 to 100	102 to 202		1100	313kg	30	0.42
FOOka	ER2SP005LD	6				3.6/0.9	~~ ^ ~ ^ ~	v 1		50 10 102	103 10 203	201 to 205	1100	605kg	44	0.01
SUUKY	ER2SP005SD	0		0 0/0 02		7.1/1.8	00.0	XI	M5/2m /H4			204 10 303		020Kg	48	0.01
4	ER2SP010LD	D		0.9/0.23		3.5/0.9	077	~ 1		58 to 197	128 to 203		1200	1.05	64	1 22
1	ER2SP010SD	U	3		10/20	7.2/1.7	01.1	XI		3010127	12010200		1300	1.20	66	1.55
1.5	ER2SP015SD			1.8/0.45	40/20	4.8/1.2								1.88	87	
2	ER2SP020LD	Е				3.7/0.9	ø10.2 :	x 1					1500	2.5	89	2.3
2	ER2SP020SD					6.9/1.6				82 to 153		154 to 305		2.0	111	
2.5	ER2SP025SD	F		2 5/0 00		5.5/1.3	ø11.2 :	x 1	M4/1Am /H4		-		1700	3.13	132	2.8
3	ER2SP030SD	E		3.3/0.00		4.4/1.0	ø10.2 :	x 2					1700	3.75	136	4.7
5	ER2SP050SD	F				2.8/0.6	ø11.2 :	x 2		100 to 178		179 to 305	2300	6.25	184	5.6

Capacity (t)	Product Code	Headroom C	D	а	b	е	g	h	i	j	k	m	n	о	р	q	r	t
125kg	ER2SP001HD	205	470															
250kg	ER2SP003SD	395	470	204	100	16	07	00	60	01	76	175	04	10		54	20	00
500kg	ER2SP005LD	115	520	204	102	40	21	02	00	21	10	47.5	04	42		54	30	22
SUUKY	ER2SP005SD	415	550															
4	ER2SP010LD	470	500	240	0.26	56	01	106	71	00	05	56	110	50		60	50	25
	ER2SP010SD	470	590	249	230	50	31	100		20	95	50	112	50	10	09	50	20
1.5	ER2SP015SD	570					34								10			
0	ER2SP020LD	635	690	300	280	69		127	85	34	122	71	131	63		83	62	32
2	ER2SP020SD	650					39											
2.5	ER2SP025SD	680	890	200	204	70		140	100	26	104		150	74		100	60	26
3	ER2SP030SD	780	010	320	324	/9	44	140	100	30	134	00	152	74		102	00	30
5	ER2SP050SD	840	910	297	400	53	47	169	118	46	144	81	178	70		104	88	54

CDER2 Cylindrical Control Dual/Single Speed

With Hook Suspension







Standard length of power supply cable is five meters.Length of lift, push button cord and power supply cable is standard only available.

•Extending the load chain is prohibited with additional links.

•Plastic chain container is provided only.

Specifications

Сар	acity	Product	Hoist	Standard	Lifting	Motor	Lifting	Speed (m	n/min)*	Load (Chain	Classification	Test	Net	Additional Weight
	t)	Code	Body	(m)	Output (kW)	Rating (%ED)		High	Low	Diameter (mm)	Chain ^x Falls	ISO/FEM/ASME	(kg)	(kg)	per 1m Lift (kg)
	105kg						Preset	16.6	2.8				156		
Dual	125kg	EN2COUTIN	D	1 0	0.56	10/20	Adjustable	10.0	1.4	a12	v 1	M6/3m/H4	150	20	0.42
Duai	250kg	EDOCOOSIS	D	1.0	0.50	40/20	Preset	10.0	1.8	04.5	× 1	(M5/2m/H4)	212	20	0.42
	250Kg	En2000313					Adjustable	10.0	0.9				313		

Note: The high speed is preset to the maximum speed in KITO factory. The speeds are adjustable between High and Low. Figures in () are data for mechanical brake with friction clutch.

500V

Сар	acity	Product	Hoist	Standard	Lifting	Motor	Lifting Speed (m/min)	Load	l Ch	ain	Classification	Test	Net	Additional Weight
	t)	Code	Body	(m)	Output (kW)	Rating (%ED)	50Hz	Diameter (mm)	x	Chain Falls	ISO/FEM/ASME	(kg)	(kg)	per 1m Lift (kg)
Dual	125kg	ER2C001HD	в	1.8	0.5/0.13	10/20	14.2/3.5	013	v	1	M5/2m/H4	156	33	0.42
Duar	250kg	ER2C003SD		1.0	0.0/0.10	40/20	7.2/1.8	04.0	^	I		313		0.42

Сар	acity	Product	Hoist	Standard	Lifting	Motor	Lifting Spe	ed (m/min)	Load	Chain		Classification	Test	Net	Additional Weight
(t)	Code	Body	(m)	Output (kW)	Rating (%ED)	50Hz	60Hz	Diameter (mm)	Ch × Fa	hain alls	ISO/FEM/ASME	(kg)	(kg)	per 1m Lift (kg)
Single	125kg	ER2C001H	в	1.8	0.56	60	14.1	16.9	a4 3	v	1	M5/2m/H4	156	20	0.42
Single	250kg	ER2C003S	D	1.0	0.00	00	9.1	10.9	04.0	^	1	100/2111/11-	313	23	0.42

Dimensions (mm)

Capacity (t)	Product Code	Headroom C	D	a (MFC)	b (MFC)	d (MFC)	e	f (MFC)	g	h	i (MFC)
125kg	ER2C001IH			525(56A)	245	076(205)		004			117
250kg	ER2C003IS			555(504)	345	270(303)		204			117
125kg	ER2C001HD	1010	400				050		07	00	
250kg	ER2C003SD	1010	430	470(504)	001(045)	010(205)	209	060(094)	21	99	00(117)
125kg	ER2C001H			470(004)	321(343)	219(305)		200(284)			93(117)
250kg	ER2C003S										

Note: Figures in () are data for mechanical brake with friction clutch.

ER2 Large Capacity

With Hook Suspension





- •Standard length of power supply cable is ten meters.
- •Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- •Extending the load chain is prohibited with additional links.
- •Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.

Specifications

Capacity	Product	Hoist	Standard	Lifting	Motor	Lifting Spe	ed (m/min)	Load	Ch	ain	Classification	Test	Net	Additional Weight
(t)	Code	Body	(m)	Output (kW)	Rating (%ED)	50Hz	60Hz	Diameter (mm)	х	Chain Falls	ISO/FEM/ASME	(t)	(kg)	per 1m Lift (kg)
10	ER2-100S					2.9	3.5	ø11.2	х	4		12.5	303	11
15	ER2-150S	F	3	3.5x2	60	1.9	2.3	ø11.2	х	6	M4/1Am/H4	18.8	404	17
20	ER2-200S					1.4	1.7	ø11.2	х	8		25	476	22

Dimensions (mm)

Capacity (t)	Product Code	Headroom C	D	a (MFC)	b	w	g
10	ER2-100S	1370	1210	700	849	956	80
15	ER2-150S	1595	1520	(853)	1022	1129	86
20	ER2-200S	1710	1600	(200)	1198	1305	102

Note: Figures in () are data for mechanical brake with friction clutch.

ER2M Large Capacity

With Motorized Trolley



- •Standard length of power supply cable is ten meters.
- •Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- •Extending the load chain is prohibited with additional links.
- •Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.

Specifications

						ER2								MR	2					
Capacity	Broduct Code		Stan-	Lifting	Motor	Lift	ting	Load C	hain	Classifi-	Traversir	ng Motor	Trave	ersing	Flange (m	Width B m)	Min.	Test	Net	Additional Weight
(t)	Floader Code	Hoist Body	dard Lift	Output	Rating	(m/	min)	Diameter	Chain	cation ISO/FEM	Output	Rating	(m/i	nin)	Standard	Option	Radius Curve	(t)	(kg)	per 1m Lift
			(m)	(kW)	(%ED)	50Hz	60Hz	(mm) ×	Falls	/ASME	(kW)	(%ED)	50Hz	60Hz	Stanuaru	W30 (305mm)	(mm)			(Kg)
7.5	ER2M075S-L			2.5		1.9	2.3	ø11.2 :	х З									9.4	283	8.4
10	ER2M100L-L			3.5		1.4	1.7	a11.0	. A		0.75						2500	105	378	44
10	ER2M100S-L	F	3		60	2.9	3.5	1011.2 2	X 4	M4/1Am /H4		40	10	12	150 to 220	221 to 305		12.0	399	11
15	ER2M150S-L			3.5x2		1.9	2.3	ø11.2 :	x 6		0.75.0							18.8	571	17
20	ER2M200S-L					1.4	1.7	ø11.2 :	x 8		0.75X2						~~~~	25	628	22

Note: Trolley wheels for tapered I-beam are provided as standard. The wheels for flat flange beam are also available so make a request in advance if necessary. The minimum radius curve for 7.5t and 10t may depend on flange width. For further information, contact the nearest KITO dealer.

Capacity (t)	Product Code	Headroom C	D	b	d	е	e'	g	j	k	m	n	r	t	w
7.5	ER2M075S-L	1165	1230					61	87						672
10	ER2M100L-L	1100	1210	500				00	77			191			728
10	ER2M100S-L	1180	1020		284	531	223	00		175	268		153	70	956
15	ER2M150S-L	1310	1020	1000				86	82			520			1129
20	ER2M200S-L	1345	1230	1020				102	77			520			1305

ER2SG Large Capacity

With Geared Trolley

- •Standard length of power supply cable is ten meters.
- •Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- •Extending the load chain is prohibited with additional links.
- •Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.

Specifications

						ER	2	_				TS	SG				
Capacity	Due duet Ce de		Stan-	Lifting	g Motor	Lif	ting	Load C	Chain	Classifi-	Folded	Flange Wi	dthB (mm)	Min.	Test	Net	Additional Weight
(t)	Product Code	Hoist Body	dard	Output	Rating	(m/	min)	Diameter	Chain	cation ISO/FEM	Chain	Ctondord	Option	Radius Curve	(t)	(kg)	per 1m Lift
		-	(m)	(kŴ)	(%ED)	50Hz	60Hz	(mm) *	× Falls	/ASME	E (m)	Stanuaru	W30 (305mm)	(mm)			(kg)
7.5	ER2SG075S			2.5		1.9	2.3	ø11.2	х З						9.4	275	9.3
10	ER2SG100L			3.5		1.4	1.7	011.0	× 1		3.2			3000	10.5	308	10
10	ER2SG100S	F	3		60	2.9	3.5	011.2	X 4	M4/1Am /H4		150 to 220	221 to 305		12.0	395	12
15	ER2SG150S			3.5x2		1.9	2.3	ø11.2	x 6		37				18.8	563	19
20	ER2SG200S					1.4	1.7	ø11.2	x 8		5.7			~~~	25	621	24

Note: Trolley wheels for tapered I-beam are provided as standard. The wheels for flat flange beam are also available so make a request in advance if necessary.

Capacity (t)	Product Code	Headroom C	D	а	b	е	e'	g	h	i	j	k	m	n	r	t	u	w
7.5	ER2SG075S	1165	1230					61			87							662
10	ER2SG100L	1100	1210	372	480		_	00			77		_	196.5				718
10	ER2SG100S	1160	1020			531		00	185	155	11	171			153	70	214	956
15	ER2SG150S	1310	1000	1010	1000		223	86			82		269	500				1129
20	ER2SG200S	1345	1230	1012	1000			102			77			520				1305

TWER2M Twin Hook

KITO Twin Hook electric chain hoist, which is equipped with a single motor and two hooks, is intended to lift the hooks horizontally, equally and safely.This product is the most suitable for lifting applications requiring two lifting points for a wide load or retaining a level lifting. For special requirements such as dual speed or curve beam, consult with the nearest KITO dealer.

TWER2M Combined Trolley Type TWER2 Hook Suspension Type

Specifications

					E	R2						Trol	ley		
Capacity	Dreduct Code		Stan-	Lifting N	/lotor	Lif	ting	Load Cha	ain	Traversir	ng Motor	Trave	ersing	Elango Width	Test Load
(t)	Product Code	Hoist Body	dard Lift	Output	Rating	(m/	min)	Diameter	Chain	Output	Rating	(m/r	nin)	B	(t)
		-	(m)	(kŴ)	(%ED)	50Hz	60Hz	(mm) *	Falls	(kŴ)	(%ED)	50Hz	60Hz	(((((((
125kg + 125kg	TWER2M003S			0.56		9.2	11.0								156kg x 2
	TWER2M005L	С		0.56		3.8	4.6	ø6.0 x	< 2						212kg v 0
250kg + 250kg	TWER2M005S			0.0		7.3	8.8							59 to 152	313KY X 2
	TWER2M010L			0.9		3.5	4.2	a7.7 v	, 0	0.4			~	56 10 155	605kg v 0
500kg + 500kg	TWER2M010S		3	10	60	7.1	8.5	07.7 X	< 2	0.4	40	20 (10)	(12)		020KY X 2
4.4	TWER2M020L			1.0		3.7	4.4	a10.0 y	<i>,</i> 0		40	(10)	(12)	90 to 179	1.05 x 0
1 + 1	TWER2M020S	E				7.0	8.4	010.2 X	< 2					02 10 170	1.25 X 2
1.5 + 1.5	TWER2M030S			3.5		4.4	5.3	ø10.2 x	4					100 to 179	1.88 x 2
2.5 + 2.5	TWER2M050S	F				2.9	3.5	ø11.2 x	κ 4	0.75				100 10 178	3.13 x 2

Note: The bracketed figures in Traversing Speed are low speed. This product is designed for straight beams. Specify a beam width at the time of quotation or order. The following information will be provided upon your request: 1) precise weight depending on length of the hook span 2) availability of curve beams 3) availability of a lift exceeding the maximum (8m)

Dimensions (mm)

Capacity	Product Code	Headro	oom C	D	c	d	-	~	×
(t)	1 Toddet Oode	With Trolley	Hook	D	3	ŭ	e	g	X
125kg + 125kg	TWER2M003S						071		
	TWER2M005L	535	525	620	Min. 510	242	271	27	60
250Kg + 250Kg	TWER2M005S						268		
	TWER2M010L	615	600	710	Min EQO	001	298	01	71
500kg + 500kg	TWER2M010S	015	020	710	IVIII1. 550	291	307	51	7.1
4.4	TWER2M020L	800	020	700		308	345	20	
1 + 1	TWER2M020S	800	030	790	Min 650	247	256		81
1.5 + 1.5	TWER2M030S	970	995	920	10111.000	347	300	44	
2.5 + 2.5	TWER2M050S	1020	1025	990		337	399	47	85

Note: Maximum hook span (S) is 4m. Longer span is also available so contact the nearest KITO dealer.

SHER2M Ultra Low Headroom

KITO Ultra Low Headroom electric chain hoist is uniquely designed to have a shorter headroom than that of standard ER2 configurations. This product is the most suitable for installation which requires a low ceiling of buildings or maximizes effective lift. The trolleys are available as option. For special requirements such as rated capacity over 10t, dual speed or curve beam, consult with the nearest KITO dealer.

Headroom Comparison

Canacity	Codo	Н	eadroom C(mr	n)		
(t)	Code	Ultra Low Headroom	Standard ER2M	Difference		
250kg	003S	265	375	-110		
500kg	005L	285	395	_110		
JUUKg	005S	200	393	-110		
-	010L	345	435	00		
1	010S	545	400	-90		
1.5	015S	435	505	-70		
2	020L	445	570	-125		
2	020S	475	585	-110		
3	030S	610	765	-155		
5	050S	670	840	-170		

Load Factor & Number of Starts for replacement

Load chain periodical replacement is recommended for breakage prevention

Load Factor	100%	75%	50%	25%
Number of Starts	20,000	60,000	200,000	400,000

SHER2SG ared Trolley Type

SHER2SP Plain Trollev Type

Specifications

		ER2								Tr	olley		Net Weight						
Capacity Droduct Code		I	Stan-	Lifting	Motor	Lif	ting	Load Chain	Traversi	ng Motor	or Traversing		Flance Width	Test		(kg)			
(t)	Floader Code	Hoist Body	dard Lift	Output	Rating	(m/	min)	Diameter Chain	Output	Rating	(m/min)		B	(t)	Motorized	Geared	Plain		
		-	(m)	(kŴ)	(%ED)	50Hz	60Hz	(mm) * Falls	(kŴ)	(%ED)	50Hz	60Hz	((1)(1))		Trolley	Trolley	Trolley		
250kg	SHER2M003S	В		0.56		9.1	11.0	ø4.3 x 1						313kg	78	61	56		
500kg	SHER2M005L	6		0.56		3.8	4.6	-0.0 · · · 1					75 to 125	625kg	84	67	62		
JUUKY	SHER2M005S	U		0.0		7.3	8.8	00.0 X I							90	73	68		
1	SHER2M010L				0.9	0.9		3.5	4.2	077 v 1					100 to 125	1.05	104	87	82
1	SHER2M010S	D	2		60	60	7.1	8.5		0.4	10	20	24	100 10 120	1.20	124	107	102	
1.5	SHER2M015S	Е		1.8	00	4.5	5.8	a10.0 v 1		40	(10)	(12)		1.88	158	139	134		
2	SHER2M020L	E				3.7	4.4	Ø10.2 X I					105 to 150	2.5	162	143	138		
2	SHER2M020S	F				5.7	6.8	ø11.2 x 1					125 10 150	2.5	212	193	188		
3	SHER2M030S	Е		3.5		3.5	4.2	ø10.2 x 2						3.75	241	222	217		
5	SHER2M050S	F				2.9	3.5	ø11.2 x 2	0.75				150 to 175	6.25	322	307	300		

Note: The bracketed figures in Traversing Speed are low speed. This product is designed for straight beams. Specify a beam width at the time of quotation or order. The following information will be provided upon your request: 1) availability of curve beams 2) availability of a flange width exceeding the maximum.

Dimensions (mm)

Capacity (t)	Product Code	Headroom C	D	E	а	b	d	е	f	g	h	i	j	k	k'	n	o	р	r	u
250kg	SHER2M003S	265	430		260	656(616)	219	259	325			68				380				
500kg	SHER2M005L	005	500		210	700(000)	040	271	270	27		70				120				
SUUKY	SHER2M005S	200	520		310	706(666)	242	268	370		130	70	18	95	107	430	515	220	152(56)	345(249)
-	SHER2M010L	245	540		330	704(004)	201	298	105	21		77				159				
1	SHER2M010S	345	540	3700	339	734(694)	291	307	403	51		11				430				
1.5	SHER2M015S	435	640		380	000(000)	308	339	197	34						503				
2	SHER2M020L	445	040		309	820(803)	500	550	407	30	125	79	29	112	109	525	520	225	154(69)	385(300)
2	SHER2M020S	475	830		423	846(823)	337	399	527	- 39						543				
3	SHER2M030S	610	840		438	892(884)	347	356	487	44	131	45	24	134	115	560	521	226	157(79)	398(320)
5	SHER2M050S	670	850	4200	475	1057(1057)	337	399	542	47	145	66	31	144	131	657	528	281	156(53)	401(297)

Note: The bracketed figures in Size "b" are for geared or plain trolley. The bracketed figures in Size "r" or "u" are for plain trolley. Size "D" is for a lift of 4m. This information which varies depending on the lift is provided upon your request.

Options

Mechanical Brake with Friction Clutch

KITO's own device combining functions of friction clutch and mechanical brake for the capacities of 5 t or less, which requires additional components. (Request at placing an order of the hoists)

Overload Limiter

For additional security, Overload Limiter (OLL) is recommended as an option which is preset by 115% of rated capacity. OLL protects the hoist mechanism from damage under overload conditions. (a load can be lowered even after OLL sets off.)

Standard setting:115%±8%* of rated capacityAdjustable setting:from 90%-135% of rated capacity

Drop Stops

Provides additional security of the motorized trolley for the operator and the equipment.

Rubber Bumpers

Provides protection of the motorized trolley from collisions.

Hook Dimensions

	Top Hook						(mm) Bottom Hook					
Product Code	D	g	i	j	k	I	D	g	h	f	е	с
ER2-001H/IH												
ER2-003S/IS												
ER2-003H/IH	35.5	27.0	17.5	23.5	28.0	17.5	35.5	27.0	17.5	23.5	28.0	17.5
ER2-005L/IL												
ER2-005S/IS												
ER2-010L/IL	12.5	31.0	22.5	31.0	36.5	22.5	12.5	31.0	22.5	31.0	36.5	22.5
ER2-010S/IS	42.0	51.0	22.0	51.0	30.5	22.5	42.5	51.0	22.5	51.0	30.5	22.5
ER2-015S/IS							47.5	34.0	26.5	36.5	43.5	26.5
ER2-020L/IL	53.0	39.0	31.5	43.5	51.5	31.5						
ER2-020S/IS							53.0	39.0	31.5	43.5	51.5	31.5
ER2-025S/IS	60.0	11.0	32.5	44.0	52.0	32.5						
ER2-030S/IS	00.0	44.0	34.5	47.5	56.0	34.5	60.0	44.0	34.5	47.5	56.0	34.5
ER2-050S/IS	63.0	47.0	42.5	56.0	67.0	42.5	63.0	47.0	42.5	56.0	67.0	42.5

Load Bell

KITO Load Bell has accuracy of alerting you when your hoist is overloaded. This bell helps increase the safety and efficiency of your operations with economical cost.

Extra headroom & weight with KITO Load Bell

Rated capacity (t)	Load chain diameter x chain fall (mm)	Extra headroom (mm)	Weight (kg)					
500kg	6.0x1	170	3					
1	7.7x1	185	4					
1.5	10.0v1	230	5					
2	10.281	110	5					
2.5	11.2x1	120	8					
3	10.2x2	115	10					
Setting:	100-	100-110 % of rated capacity						
Power sup	oply: DC 9	DC 9V (9V dry battery)						
Service life	e of battery: 700H	700H in intermittent use (4hr per day)						
Alerting b	uzzer volume: Min. 8	35dB						
Enclosure	: IP55	IP55						

Net Weight List (With Mechanical Brake with Friction Clutch) Standard 3m Lift

		Additional Chain W	Veight per 1m (kg)	With Standard 3m Lift (kg)						
Capacity & Lifti	ng Speed Code	ER2,MR2,TSP	TSG	ER2	ER2M	ER2SG	ER2SP			
	001H			28	59	41	33			
125kg	001IH	0.42	1.4	29	61	41	34			
	001HD			32	67	-	-			
	003S			28	59	11	33			
	003IS	0.42	1.4	29	61	41	34			
250kg	003SD			32	67	-	-			
	003H	0.81	17	39	69	51	13			
	003IH	0.81	1.7	50	71	51	40			
	005L			37	67	49	42			
	005IL			57	69	_	_			
500ka	005LD	0.81	17	43	77					
JUOKS	005S	0.01	1.7	38	69	51	13			
	005IS				71	01				
	005SD			44	78	-	-			
	010L			50	80	62	58			
	010IL		2.3	49	81	61	57			
1+	010LD	1.33		58	92	-	-			
	010S			54	84	66	62			
	010IS			53	85	65	61			
	010SD			58	92	-	-			
	015S			77	115	95	91			
1.5t	015IS	2.3	3.2	78	118	96	92			
	015SD			80	122	-	-			
	020L			79	116	96	92			
	020IL			10	119					
2t	020LD	23	32	82	123	-	-			
	020S	2.0	0.2	90	128	108	104			
	020IS			92	132	110	106			
	020SD			96	138	-	-			
	025S	-		103	151	131	127			
2.5t	025IS	2.8	3.7	106	157	134	130			
	025SD			107	159	-	-			
	030S	-		107	155	133	129			
3t	030IS	4.7	5.6	109	160	136	132			
	030SD			112	163	-	-			
	050S			130	200	186	180			
5t	050IS	5.6	6.5	134	206	190	184			
	050SD			133	207	-	-			

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