



The New Generation

durable, reliable, safe, ergonomic



**10 YEAR
WARRANTY
ON
BRAKE**

KITO Electric Chain Hoist ER2

Innovative Inverter Technology

> Improved Positioning Accuracy of Load

New electromagnetic Brake

> enhanced durability
maintenance due after 2 million brake applications
> improved performance and safety

Newly developed Load Sheave

> Smooth and low-noise operation

Carbon Friction Clutch

> constant performance even under extreme environment conditions

Upgraded Annealing Process of Load Chain

> KITO-technology ensures ultimate resistance

Model ER
ER2 Series

Product Warranty

„3 years product warranty and 10 years warranty on the brake system.”

This warranty applies to chain hoists of the ER2 series, when they are operated under the conditions, and inspection and maintenance intervals are observed - as indicated in the operation manual.

Electro Magnetic High-Performance Brake
 First inspection service not due before completion of 2 million brake operations.

New Design of Load Chain Pinion
 5 resp. 6 pockets (acc. to model), smooth and low-noise operation

New Load Chain
 new annealing process prolongs service life



Top Hook Suspension
 New suspension via clip and bolt

Easy of Maintenance
 Hinged controller cover facilitates quick and easy on-site maintenance.

Ergonomic Control Switch
 User-friendly

Standard Configuration:
 Canvas chain or plastic cover, upper-lower limit switch, CH -(counter/hour) meter, thermal motor protector
 2.5 – 2.8m Push button Cord

Specifications

Capacity (t)	Product Code	Hoist Body	Standard Lift (m)	Push Button Cord L (m)	Lifting Motor		Lifting Speed (m/min)			Load Chain	Classification	Test Load (t)	Net Weight (kg)	Additional Weight per 1 m Lift (kg)
					Output (kW)	Rating (%ED)	50/60Hz		Diameter (mm) × Chain Falls					
							High	Low						
125 kg	ER2-001IH	B	3	2,5	0,56	40/20	Std.	16,6	2,8	4,3 × 1	M5	156kg	27	0,42
250 kg	ER2-003IS						Range	10,8	1,4					
	ER2-003IH	Std.			15,7		1,8	6 × 1	625kg	36		0,81		
Range		4,5					0,9							
500 kg	ER2-005IL	C			0,9		Std.	8,5	7,7 × 1	1,25		45	1,33	
					0,56		Range							4,2
1	ER2-010IL	D			1,8		0,9	Std.	8,2	1,4		52	1,88	
														Range
1,6	ER2-016IS	E			1,8		1,8	Std.	4,3	0,7		73	2,3	
														Range
2	ER2-020IL	E	3,5	Std.	8,2	10,2 × 1	2,5	89	3,13					
										Range	6,6	0,6		
2,5	ER2-025IS	F	3,5	Std.	5,2	11,2 × 1	3,75	105	4,7					
										Range	5,2	0,4		
3,2	ER2-032IS	E	2,8	Std.	3,3	11,2 × 2	6,25	128	5,6					
										Range	3,3	0,3		

Compact Body

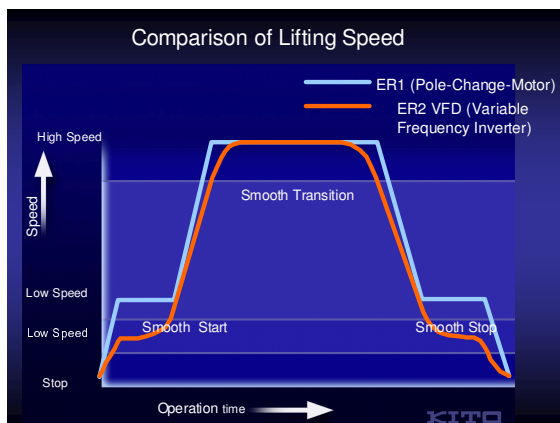
Low Headroom / Reduced weight

The compact and light aluminium die-cast body offers exceptional stability and features excellent dust and water protection. Additional weight reduction is gained by the finely aligned pitch of the load chain links.

ER2 Outline

Capacity:	Single Speed – 125 kg bis 20 t
	Dual Speed – 125 kg bis 5 t
Voltage:	220-230 V 50 Hz
	380-415 V 50 Hz
	500 V 50Hz – on request
Control Voltage:	24 V
Duty Rating:	Single Speed – 60% ED (60 min.)
	Dual Speed – 40/20% ED (30/10 min.)
Classification:	M4, M5 (ISO); 1 Am, 2m (FEM)
Motor Insulation Class:	Class B for 220 V -230 V – 50 Hz
	Class F for 380 V -415 V – 50 Hz
IP Protection Class	Aluminium Body – IP55, Control Switch - IP 65
Combination Varieties:	Hook Suspension, Plain- or Geared Trolley, Motorized Trolley
Operating Temperature:	-20 to 40 °C
Operating Humidity:	85% or less

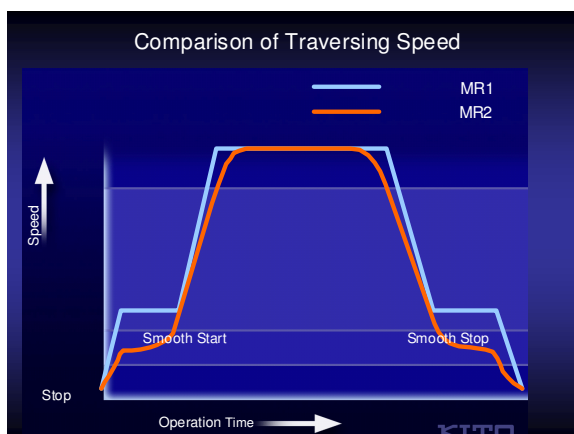
Smooth Operation



Frequency Inverter

Smooth Transition of Speed

The frequency inverter achieves a considerably smoother movement than the pole-change motor, thus reducing load swing. The standard speed ratio is preset to 6:1 in the factory, but can be individually adjusted to 12:1 (traversing speed 10:1). This enables the operator to position the load even more precisely.



The ER2/MR2 frequency inverter unit is well-customized for lifting and traversing applications and guarantees optimum control. The housing is impact-resistant and protects the inverter from environmental influences.

*In case a different than the standard speed ratio is needed, please state requested ratio when placing the order.

Acceleration time, stop time and speed of trolley are adjustable with the inverter.

Efficient and Durable

High engine and duty rating

The ER2 achieves the FEM group 2m resp. M5 ISO with a duty cycle of 60 % ED. This long service life hoist is a high performance product which can even be used under difficult environment conditions and is also applicable to high frequency or long lift operations. The gearbox is lubricated in an oilbath, which results equally in improved wear and tear and cooling performances.

Load Chain

The ER2's newly designed nickel-plated load chain utilises an unique annealing technology. Continuous tests regarding wear and tensile strength have proved: the resistance against fatigue has greatly increased.

KITO's load chains are EN 818-7 certified. *Technical Committee for Metal and Surface Treatment Hanover, Test and Certification Centre in BG-PRÜFZERT.*



Fan-cooled heavy-duty motor

The ER2 features a 4-pole heavy-duty motor with enhanced ventilator cooling and reduced noise emission.



Model TWER2M

Twin hook electric chain hoist

This electric chain hoist with a single motor is particularly suited to keep the exact horizontal position or to simultaneously lift and lower the load.



Model SHER2M

Electric chain hoist with ultra low headroom

This model is reduced to a minimum of headroom and has been designed especially for operation in buildings with very low ceiling heights. It is also suited for applications, which require extremely high lifting heights.

Motorized Trolley MR2



125 kg to 20 t

Plain Trolley TSP



125 kg to 3 t



5 t

Geared Trolley TSG



125 kg to 3 t



5 t to 20 t

Disclaimer(Schriftgröße wie beim CX Prospekt)