



## ER2 electric chain hoist

- ▶ Up to 20,000 kg load capacity
- ▶ 380 – 440 V / 50 Hz
- ▶ 24 V control voltage
- ▶ Single or dual lifting speed
- ▶ Frequency inverter for dual lifting speeds
- ▶ Overload limiter thanks to carbon friction clutch
- ▶ Operating hours counter / load cycle counter
- ▶ Range limit switch for lifting / lowering
- ▶ Thermal motor protection
- ▶ Nickel-plated load chain grade T, series DAT (G80) in accordance with standard EN 818-7

### Options

- ▶ Radio remote control
- ▶ Limit lock = programmable limit switch to restrict and define the hook path when lifting and lowering (page 42 – 43)
- ▶ Stepless speed control (page 44 – 45)
- ▶ Plain, geared or motorised trolley (page 58 – 63)
- ▶ Special voltages on request



**ER2SP**



**ER2SG**



**ER2M**



**ER2M 100 S**



**ER2 100 S**

# Durable, safe and user-friendly



## Chain container

In plastic or canvas, depending on lifting height



ER2 003

**Push button pendant**  
Ergonomic design

## Device suspension

Top hook or connector can be easily assembled and disassembled (except with body F)

## Die-cast aluminium body

With stable structure

## Nickel-plated load chain

Grade T, series DAT (G80) in accordance with standard EN818-7, Strength 800 N/mm<sup>2</sup>

## Load hook

Pivots by 360° to avoid kinking and twisting of the load chain

## Chain container

Type	Load capacity	Plastic chain container	Canvas chain container S	Canvas chain container L
	kg	m	m	m
ER2-001	125	6	8	15
ER2-003	250	6	8	15
ER2-005	500	6	8	15
ER2-010	1,000	6	8	15
ER2-016	1,600	4	12	18
ER2-020	2,000	4	12	18
ER2-025	2,500	–	8	12

Type	Load capacity	Plastic chain container	Canvas chain container S	Canvas chain container L
	kg	m	m	m
ER2-032	3,200	–	6	9
ER2-050	5,000	–	4	6
ER2-075	7,500	–	4	8
ER2-100	10,000 L	–	3	6
ER2-100	10,000 S	–	6	2 x 6
ER2-150	15,000	–	4	2 x 4
ER2-200	20,000	–	3	2 x 3

## Product design and explanation

### 1. Electromagnetic brake

Ensures powerful braking and holds the load securely

### 2. Thermal overload limiter

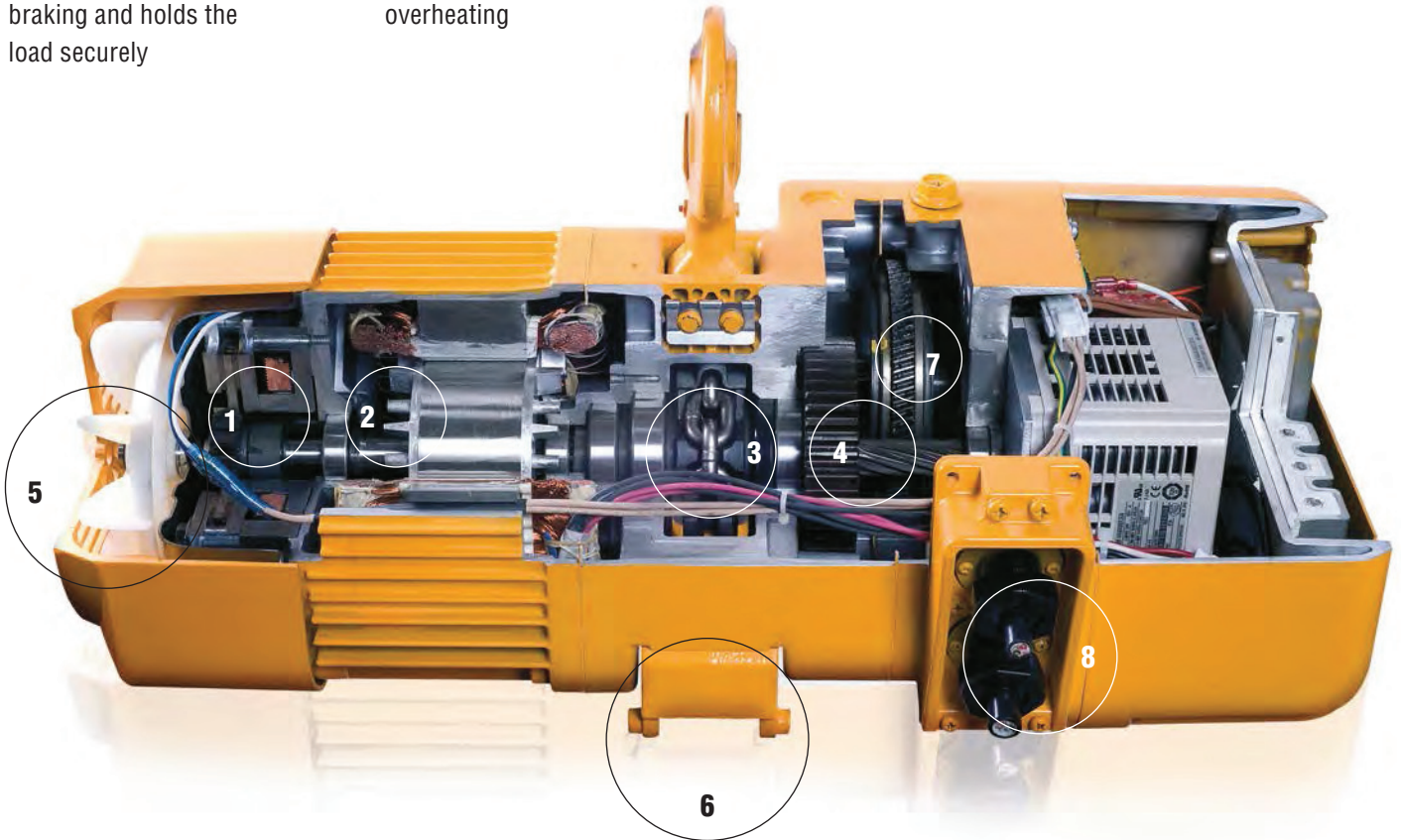
Prevents the motor from overheating

### 3. Chain guide

Uniquely structured to ensure even running

### 4. Gearbox

Helical gears reduce operating noise



### 5. Fan cooling

The combination of the aluminium die-cast body and fan system ensure optimum cooling

### 6. Upper / lower limit switch

Stops the hook when the highest or lowest position has been reached

### 7. Friction clutch

To protect the components subject to stress against overloading

### 8. Direct cabling

Internal connectors make it easier to connect the device



### Operating hours counter / load cycle counter built into frequency inverter

The display of operating data allows maintenance intervals to be planned effectively.

# Technical data

Type	Load capacity kg	Body size	Lifting motor		Lifting speed (m/min)*			Load chain diameter mm	Chain falls	Classification FEM/ISO	Headroom C mm	Weight kg	Weight for additional 1 m lift kg
			Output, kW	Rating (% ED)	50 Hz								
					High	Low							
ER2-001IH	125	B	0.56	40/20	Standard	16.6	2.8	4.3	1	3m/M6	350	27	0.42
			0.56	40/20	Adjustable	16.6	1.4						
ER2-003IS	250	B	0.56	40/20	Standard	10.8	1.8	4.3	1	3m/M6	350	27	0.42
			0.56	40/20	Adjustable	10.8	0.9						
ER2-003IH	250	C	0.9	40/20	Standard	15.7	2.6	6.0	1	3m/M6	370	36	0.81
			0.9	40/20	Adjustable	15.7	1.3						
ER2-005IL	500	C	0.56	40/20	Standard	4.5	0.8	6.0	1	3m/M6	370	32	0.81
			0.56	40/20	Adjustable	4.5	0.4						
ER2-005IS	500	C	0.9	40/20	Standard	8.5	1.4	6.0	1	3m/M6	370	36	0.81
			0.9	40/20	Adjustable	8.5	0.7						
ER2-010IL	1,000	D	0.9	40/20	Standard	4.2	0.7	7.7	1	2m/M5	430	45	1.33
			0.9	40/20	Adjustable	4.2	0.3						
ER2-010IS	1,000	D	1.8	40/20	Standard	8.2	1.4	7.7	1	2m/M5	430	52	1.33
			1.8	40/20	Adjustable	8.2	0.7						
ER2-016IS	1,600	E	1.8	40/20	Standard	5.3	0.9	10.2	1	2m/M5	510	72	2.3
			1.8	40/20	Adjustable	5.3	0.4						
ER2-020IL	2,000	E	1.8	40/20	Standard	4.3	0.7	10.2	1	1Am/M4	575	73	2.3
			1.8	40/20	Adjustable	4.3	0.4						
ER2-020IS	2,000	E	3.5	40/20	Standard	8.2	1.4	10.2	1	1Am/M4	590	89	2.3
			3.5	40/20	Adjustable	8.2	0.7						
ER2-025IS	2,500	F	3.5	40/20	Standard	6.6	1.1	11.2	1	1Am/M4	625	100	2.8
			3.5	40/20	Adjustable	6.6	0.6						
ER2-032IS	3,200	E	3.5	40/20	Standard	5.2	0.9	10.2	1	1Am/M4	785	105	4.7
			3.5	40/20	Adjustable	5.2	0.4						
ER2-050IS	5,000	F	3.5	40/20	Standard	3.3	0.6	11.2	2	1Am/M4	850	128	5.6
			3.5	40/20	Adjustable	3.3	0.3						
ER2-100IS	10,000	F	3.5	40/20	Standard	3.3	0.6	11.2	4	1Am/M4	1,370	303	11.0
			3.5	40/20	Adjustable	3.3	0.3						
ER2-150IS	15,000	F	3.5	40/20	Standard	2.2	0.4	11.2	6	1Am/M4	1,595	404	17.0
			3.5	40/20	Adjustable	2.2	0.2						
ER2-200IS	20,000	F	3.5	40/20	Standard	1.7	0.3	11.2	8	1Am/M4	1,710	476	22.0
			3.5	40/20	Adjustable	1.7	0.15						

\*Please note: The high speed is preset to the maximum speed in KITO factory. The speed is adjustable between high and low. Higher load capacities on request.