



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 54 – 55)
- ▶ Stepless speed control (page 56 – 57)
- ▶ Plain, geared or motorised trolley (page 80 – 85)
- ▶ Special voltages on request



ER2SP



ER2SG



ER2M



ER2M 100 S



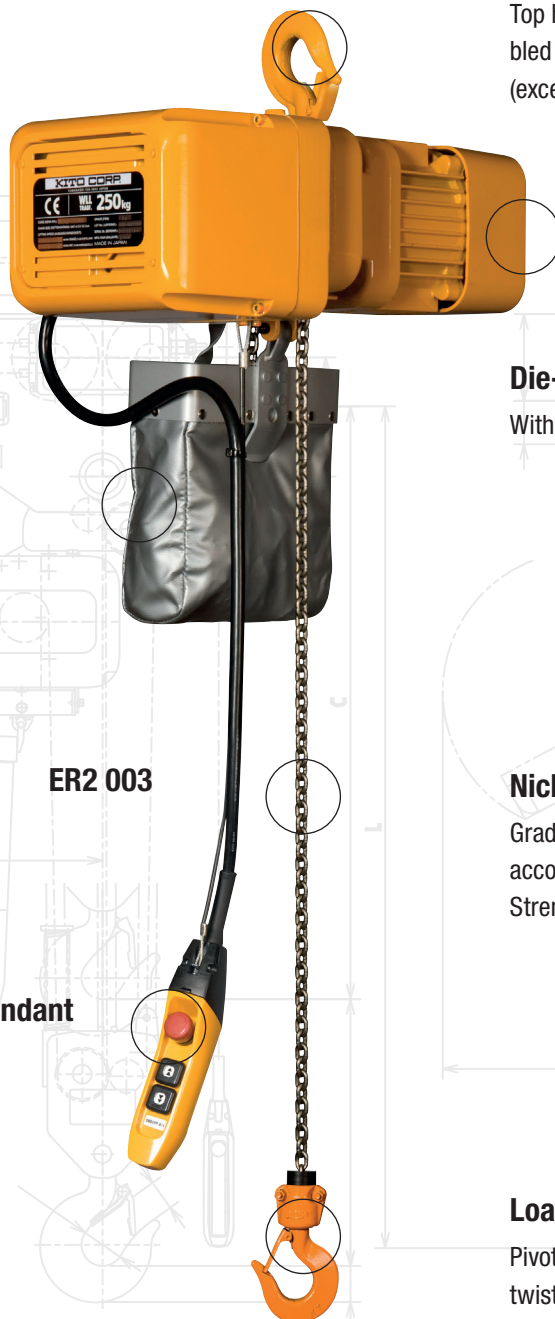
ER2 100 S

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/mm²

Load hook

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

Chain container

Type	Load capacity kg	Plastic chain container m	Canvas chain container S m	Canvas chain container L 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 kg	Plastic chain container m	Canvas chain container S m	Canvas chain container L 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

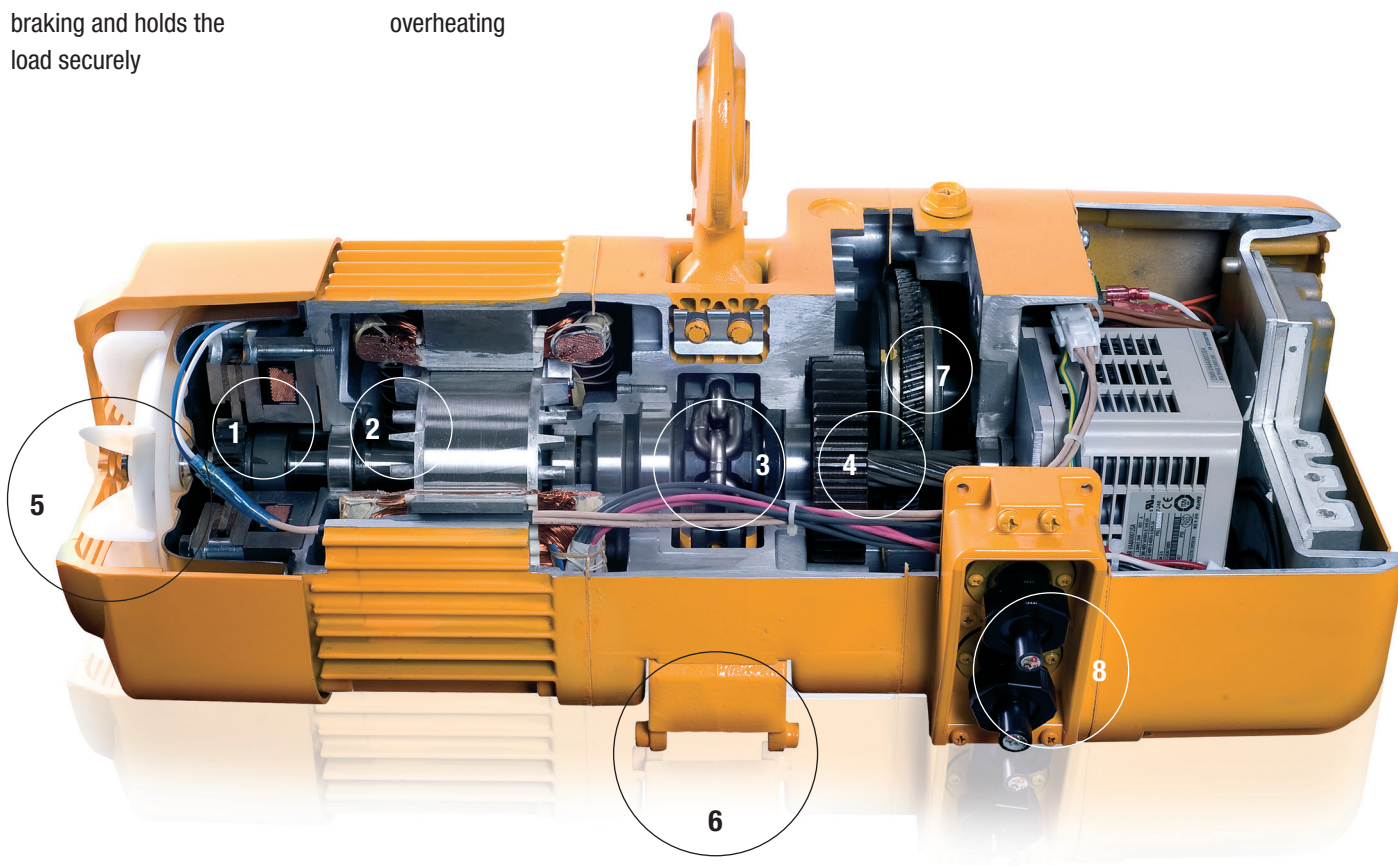
Prevents the motor from overheating

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	Body size	Lifting motor		Lifting speed (m/min)*			Load chain diameter	Chain falls	Classification	Headroom C	Weight	Weight for additional 1 m lift
	kg		Output, kW	Rating (% ED)		50 Hz		mm		FEM/ISO	mm	kg	kg
						High	Low						
ER2-001IH	125	B	0.56	40/20	Standard	16.6	2.8	4.3	1	3m/M6	350	27	0.42
		B	0.56	40/20	Adjustable	16.6	1.4	4.3	1	3m/M6	350	27	0.42
ER2-003IS	250	B	0.56	40/20	Standard	10.8	1.8	4.3	1	3m/M6	350	27	0.42
		B	0.56	40/20	Adjustable	10.8	0.9	4.3	1	3m/M6	350	27	0.42
ER2-003IH	250	C	0.9	40/20	Standard	15.7	2.6	6.0	1	3m/M6	370	36	0.81
		C	0.9	40/20	Adjustable	15.7	1.3	6.0	1	3m/M6	370	36	0.81
ER2-005IL	500	C	0.56	40/20	Standard	4.5	0.8	6.0	1	3m/M6	370	32	0.81
		C	0.56	40/20	Adjustable	4.5	0.4	6.0	1	3m/M6	370	32	0.81
ER2-005IS	500	C	0.9	40/20	Standard	8.5	1.4	6.0	1	3m/M6	370	36	0.81
		C	0.9	40/20	Adjustable	8.5	0.7	6.0	1	3m/M6	370	36	0.81
ER2-010IL	1,000	D	0.9	40/20	Standard	4.2	0.7	7.7	1	2m/M5	430	45	1.33
		D	0.9	40/20	Adjustable	4.2	0.3	7.7	1	2m/M5	430	45	1.33
ER2-010IS	1,000	D	1.8	40/20	Standard	82	1.4	7.7	1	2m/M5	430	52	1.33
		D	1.8	40/20	Adjustable	8.2	0.7	7.7	1	2m/M5	430	52	1.33
ER2-016IS	1,600	E	1.8	40/20	Standard	5.3	0.9	10.2	1	2m/M5	510	72	2.3
		E	1.8	40/20	Adjustable	5.3	0.4	10.2	1	2m/M5	510	72	2.3
ER2-020IL	2,000	E	1.8	40/20	Standard	4.3	0.7	10.2	1	1Am/M4	575	73	2.3
		E	1.8	40/20	Adjustable	4.3	0.4	10.2	1	1Am/M4	575	73	2.3
ER2-020IS	2,000	E	3.5	40/20	Standard	8.2	1.4	10.2	1	1Am/M4	590	89	2.3
		E	3.5	40/20	Adjustable	8.2	0.7	10.2	1	1Am/M4	590	89	2.3
ER2-025IS	2,500	F	3.5	40/20	Standard	6.6	1.1	11.2	1	1Am/M4	625	100	2.8
		F	3.5	40/20	Adjustable	6.6	0.6	11.2	1	1Am/M4	625	100	2.8
ER2-032IS	3,200	E	3.5	40/20	Standard	5.2	0.9	10.2	2	1Am/M4	785	105	4.7
		E	3.5	40/20	Adjustable	5.2	0.4	10.2	2	1Am/M4	785	105	4.7
ER2-050IS	5,000	F	3.5	40/20	Standard	3.3	0.6	11.2	2	1Am/M4	850	128	5.6
		F	3.5	40/20	Adjustable	3.3	0.3	11.2	2	1Am/M4	850	128	5.6
ER2-100IS	10,000	F	3.5	40/20	Standard	3.3	0.6	11.2	4	1Am/M4	1,370	303	11.0
		F	3.5	40/20	Adjustable	3.3	0.3	11.2	4	1Am/M4	1,370	303	11.0
ER2-150IS	15,000	F	3.5	40/20	Standard	2.2	0.4	11.2	6	1Am/M4	1,595	404	17.0
		F	3.5	40/20	Adjustable	2.2	0.2	11.2	6	1Am/M4	1,595	404	17.0
ER2-200IS	20,000	F	3.5	40/20	Standard	1.7	0.3	11.2	8	1Am/M4	1,710	476	22.0
		F	3.5	40/20	Adjustable	1.7	0.15	11.2	8	1Am/M4	1,710	476	22.0

*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.