

ED electric chain hoist



- ▶ Up to 480 kg load capacity
- ▶ 230 V / 50 Hz single-phase
- ▶ Hook suspension
- ▶ High-performance mechanical brake with friction clutch
- ▶ Range limit switch for lifting
- ▶ Single or dual lifting speed
- ▶ Weather-tight and corrosion-resistant
- ▶ Aluminium gear casing
- ▶ Nickel-plated load chain grade T, series DAT (G80) in accordance with standard EN 818-7

Options

- ▶ Radio remote control
- ▶ TMH plain trolley
- ▶ Universal trolleys in the TS range
 - TSG geared trolley (page 80 - 81)
 - TSP plain trolley (page 82 - 83)
- ▶ Foam hook protector



As option: TMH mini trolley



ED48



ED16

**Compact, lightweight and reliable.
Can be put into
operation immediately.**

**Load capacities from
60 kg to 480 kg**

480 kg capacity in double-chain design, available with conversion set

**High-performance
mechanical brake**

With friction clutch

Nickel-plated load chain

Grade T, series DAT (G80)
in accordance with standard EN818-7,
Strength 800 N/mm²

**High lifting speed,
max. 20,1 m/min.**

Lifting height up to 100 m

Technical data

Type	Load capacity	Chain falls	Rating	FEM classification	Lifting speed	Weight	Headroom C
	kg		% ED		m/min	kg	mm
ED06S	60	1	30	1Am	20.1	11.5	315
ED06ST	60	1	30	1Am	20.1/4.0	12	315
ED10S	100	1	30	1Am	12.5	11.5	315
ED10ST	100	1	30	1Am	12.5/3.0	12	315
ED16S	160	1	30	1Am	19.2	15.5	330
ED16ST	160	1	30	1Am	19.2/4.0	16	330
ED18S	180	1	20	1Am	7.7	11.5	315
ED18ST	180	1	20	1Am	7.7/3.0	12	315
ED24S	240	1	30	1Am	12.9	15.5	330
ED24ST	240	1	30	1Am	12.9/3.0	16	330
ED48S	480	2	30	1Am	6.4	21	520
ED48ST	480	2	30	1Am	6.4/2.0	21	520

Standard lifting height: 3 m for ED

S = Single Speed, ST = Dual Speed



EDC electric chain hoist with cylinder control

- ▶ Up to 240 kg load capacity
- ▶ 230 V / 50 Hz single-phase
- ▶ Hook suspension
- ▶ High-performance mechanical brake with friction clutch
- ▶ Range limit switch for lifting
- ▶ Weather-tight and corrosion-resistant
- ▶ Aluminium gear casing
- ▶ Nickel-plated load chain grade T, series DAT (G80) in accordance with standard EN 818-7

Options

- ▶ TMH plain trolley
- ▶ Universal trolleys from range
 - TSG geared trolley (page 80 – 81)
 - TSP plain trolley (page 82 – 83)

High-performance mechanical brake

With friction clutch

Nickel-plated load chain

Grade T, series DAT (G80)
in accordance with standard
EN818-7, Strength 800 N/mm²

Speed adjustment

Using potentiometer in
push button pendant

Two lifting speeds as standard



EDC24

Removable load hook

Technical data

Type	Load capacity	Standard lifting height	Rating	FEM classification	Lifting speed	Weight	Headroom C
	kg	m	% ED		m/min	kg	mm
EDC06SD	60	1.8	30	1Am	20.1/4.0	14.5	945
EDC10SD	100	1.8	30	1Am	12.5/3.0	14.5	945
EDC16SD	160	1.8	30	1Am	19.2/4.0	11.5	960
EDC18SD	180	1.8	20	1Am	7.7/3.0	14.5	945
EDC24SD	240	1.8	30	1Am	12.9/3.0	18.5	960

EQ & EQS electric chain hoist



EQ

380 - 440 V
50 - 60 Hz
3 phases

EQS

110V oder 220V - 240V
50 Hz
single phase



Frequency inverter as standard

For precise positioning of the load and
"No-load High-speed" function



"No-load High-speed" function

1.3 times faster lifting speed when lifting less than 30 % of full load.
The EQS010IS even lifts due to its design 1.8 times faster
at a maximum of 30 % of the nominal load



Unique nickel-plated load chain

Grade T, series DAT (G80) in accordance with standard EN 818-7. Less
wear and high corrosion resistance

Safety

- ▶ Frequency inverter controlled electronic overload protection and long-life friction clutch as mechanical overload protection
- ▶ Pull-rotor brake, extremely durable and reliable
- ▶ Operating hours counter / load cycle counter

Features

- ▶ 24 V control voltage
- ▶ Operating temperature -20° C up to +40° C, max. 85% humidity
- ▶ Compact aluminium body, sealed (IP55 rated)
- ▶ Eye suspension

Performance

- ▶ Dual lifting speed
- ▶ Up to 1,000 kg load capacity
- ▶ Maximum lifting height 15 m
- ▶ Upper and lower limit switch

Options

- ▶ Top hook
- ▶ Radio remote control
- ▶ Safety load hook
- ▶ Plain or motor trolley (EQS only plain trolley)



**EQ005 /
EQS005**

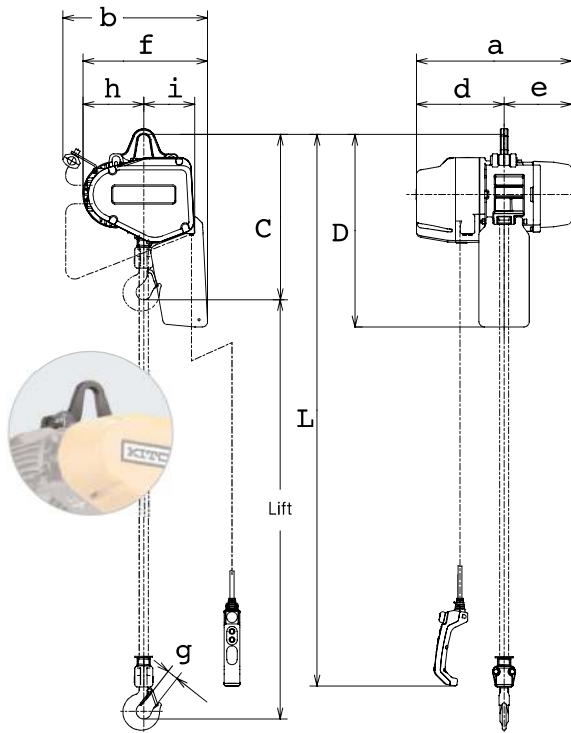
Radio remote control as option



Suspension eye

EQ

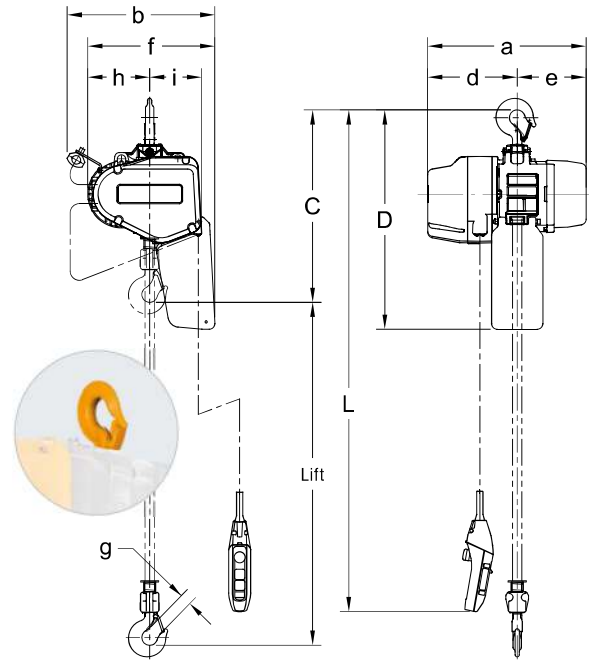
EQS



Top hook

EQ

EQS



Dimensions EQ / EQS

Basic	Type	Load capacity kg	Headroom C (mm)				Dimensions (mm)							
			C top hook	C suspension eye	D top hook	D suspension eye	a	b	d	e	f	g	h	i
EQ	EQ001IS	125	440	395	533	485	417	367	230	187	298	27	137	128
EQ	EQ003IS	250	440	395	533	485	417	367	230	187	298	27	137	128
EQ	EQ005IS	500	458	410	533	485	417	367	230	187	298	27	137	128
EQ	EQ010IS	1,000	525	465	598	535	433	403	245	188	332	31	154	142
EQS	EQS005IS	500	458	410	533	485	417	367	230	187	298	27	137	128
EQS	EQS010IS	1,000	525	465	598	535	433	403	245	188	332	31	154	142

Technical Data EQ / EQS

Basic	Type	Load capacity kg	Body size	Standard lifting height m	Lifting motor		Lifting speed, m / min			Load chain diameter mm	Chain falls	Classifi- cation FEM	Weight kg	Headroom C mm
					Output, kW	Rating, % ED	High (light load), 0 - 30%	High, 30 - 100%	Low					
EQ	EQ001IS	125	C	3	0.5	40 / 20	22.0	17.0	2.8	5.6 x 15.7	1	3m	32	395
EQ	EQ003IS	250	C	3	0.5	40 / 20	13.0	10.0	1.7	5.6 x 15.7	1	3m	31	395
EQ	EQ005IS	500	C	3	0.75	40 / 20	9.9	7.6	1.3	5.6 x 15.7	1	3m	32	410
EQ	EQ010IS	1,000	D	3	1.5	40 / 20	9.2	7.1	1.2	7.1 x 19.9	1	2m	42	465
EQS	EQS005IS	500	C	3	0.75	40 / 20	9.9*	7.6*	1.3	5.6 x 15.7	1	3m	33	410
EQS	EQS010IS	1,000	D	3	1.5	40 / 20	9.2**	5.1**	1.2	7.1 x 19.9	1	2m	43	465

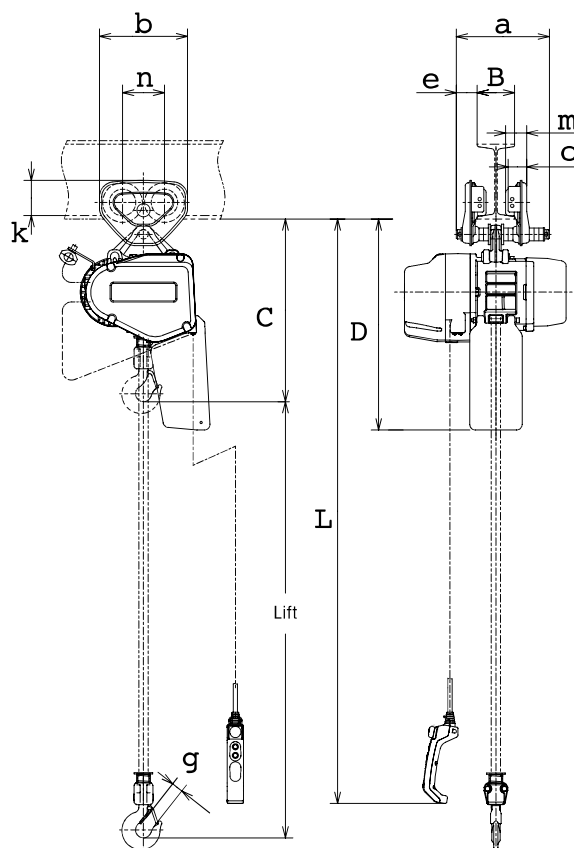
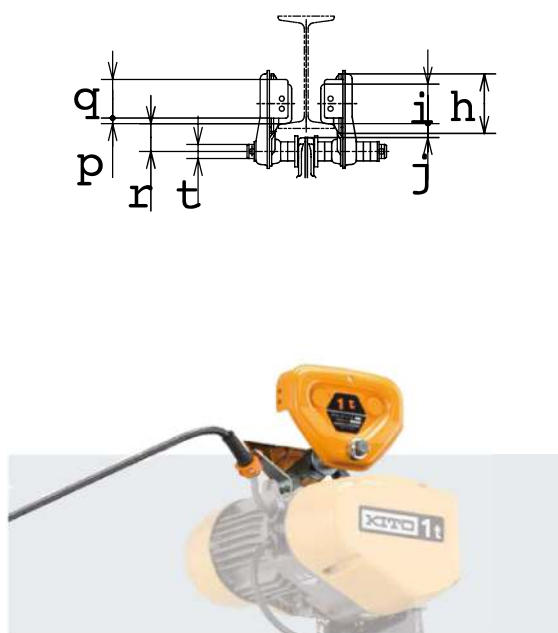
*% of full load, EQS005 speed ratio 6:1.

**EQS010 speed ratio 4:1, 1.8 times faster lifting speed when lifting less than 30% of full load.

Plain trolley

EQ

EQS



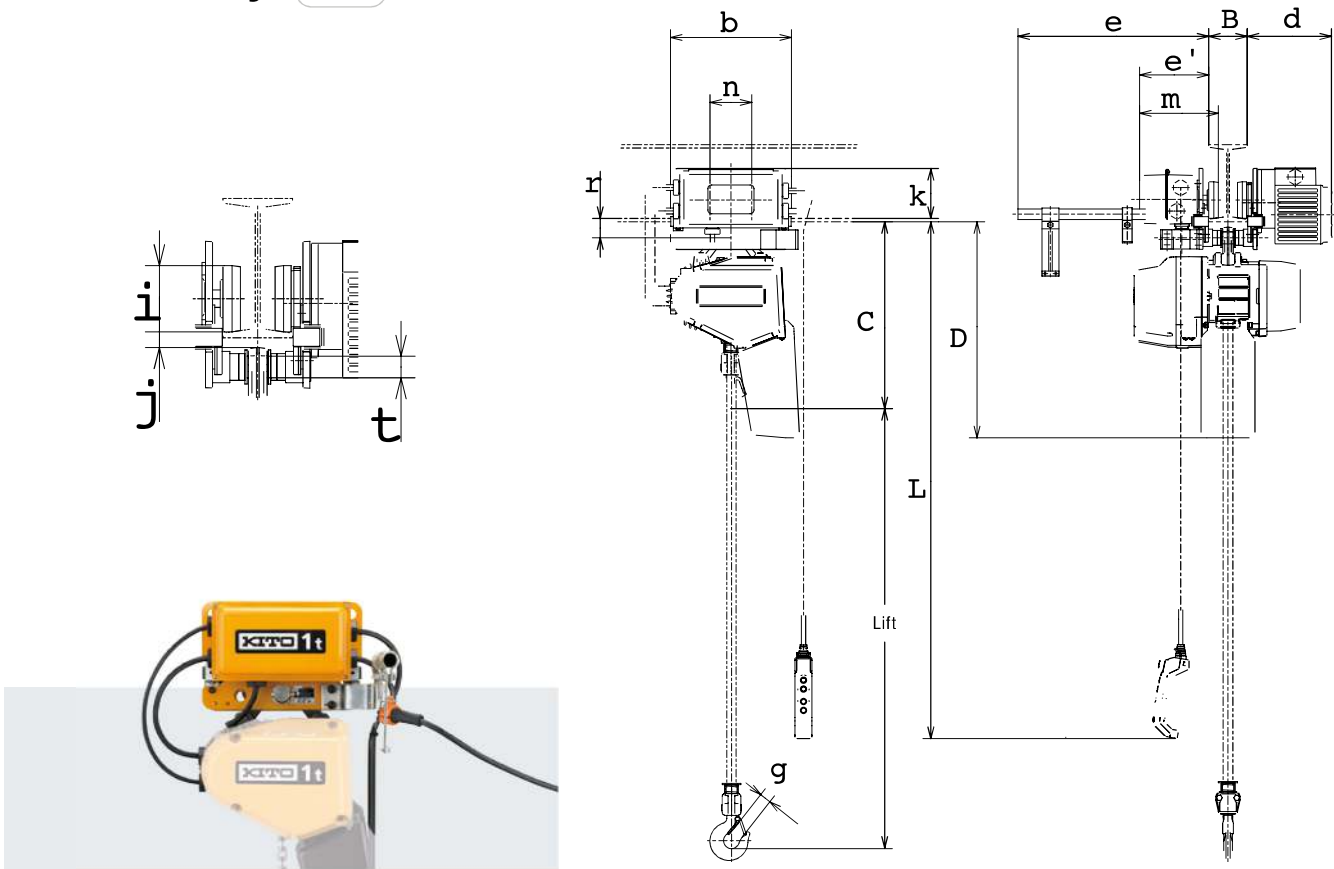
Dimensions EQ / EQS with plain trolley

Basic	Type	Load capacity	Dimensions (mm)																
			C	D	a	b	e	g	h	i	j	k	m	n	o	p	q	r	t
EQ	EQSP001IS	125	415	505	204	182	46	27	82	60	19	76	47.5	84	42	10	54	38	22
EQ	EQSP003IS	250	415	505	204	182	46	27	82	60	19	76	47.5	84	42	10	54	38	22
EQ	EQSP005IS	500	430	505	204	182	46	27	82	60	19	76	47.5	84	42	10	54	38	22
EQ	EQSP010IS	1,000	490	565	249	236	56	31	106	71	25	95	56	112	50	10	69	50	25
EQS	EQSSP005IS	500	430	505	204	182	46	27	82	60	19	76	47.5	84	42	10	54	38	22
EQS	EQSSP010IS	1,000	490	565	249	236	56	31	106	71	25	95	56	112	50	10	69	50	25

Technical Data EQ / EQS with plain trolley

Basic	Type	Flange width B		Min. curve radius		Headroom C
		Standard (mm)	Option W30 (mm)	Standard (mm)	Option W30 (mm)	
EQ	EQSP001IS	50 - 163	164 - 305	1,150	1,200	415
EQ	EQSP003IS	50 - 163	164 - 305	1,150	1,200	415
EQ	EQSP005IS	50 - 163	164 - 305	1,150	1,200	430
EQ	EQSP010IS	58 - 163	164 - 305	1,350	1,400	490
EQS	EQSSP005IS	50 - 163	164 - 305	1,150	1,200	430
EQS	EQSSP010IS	58 - 163	164 - 305	1,350	1,400	490

Motor trolley EQ



Dimensions EQ with motor trolley

Basic	Type	Load capacity kg	Dimensions (mm)													
			C	D	b	d	e	e'	g	i	j	k	m	n	r	t
EQ	EQM001IS-IS	125	420	515	315	220	515	179	27	95	27	130	205	109	51	31
EQ	EQM003IS-IS	250	420	515	315	220	515	179	27	95	27	130	205	109	51	31
EQ	EQM005IS-IS	500	440	515	315	220	515	179	27	95	27	130	205	109	51	31
EQ	EQM010IS-IS	1,000	490	565	315	220	515	179	31	95	22	130	205	109	51	31

Technical data EQ with motor trolley

Basic	Type	Travel motor		*Travel speed (m/min)			Flange width B		Min. curve radius	Headroom C
		Output (kW)	Output (% ED)		50 Hz		Standard mm	Option W30 mm	mm	mm
					High	Low				
EQ	EQM001IS-IS	0.4	27/13	Standard	24	4	58 - 163	164 - 305	800	420
EQ	EQM003IS-IS	0.4	27/13	Standard	24	4	58 - 163	164 - 305	800	420
EQ	EQM005IS-IS	0.4	27/13	Standard	24	4	58 - 163	164 - 305	800	440
EQ	EQM010IS-IS	0.4	27/13	Standard	24	4	58 - 163	164 - 305	800	490

*Adjustable travel speed: 24 / 2.4



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	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

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	8.2	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.

ER2 Limit Lock electric chain hoist

- ▶ Up to 5,000 kg load capacity

Individual programmable hook position limits

- ▶ **Easily adjusted using push button control**
- ▶ **Special limit lock feature**
Easily programmable stopping positions for the load
- ▶ **Standard ER2 electro-mechanical switches**
For upper most and lower most travel; plus "soft" limits for preset travel stops
- ▶ **Two positions**
One upper and lower limit position
- ▶ **Improved productivity and efficiency in operation**
The operator can easily lift or lower to the perfect position every time

Setting method

Setting the upper-limit position

- ▶ Stop the hook at the desired upper-limit position
- ▶ Press the EMERGENCY STOP button
Then, hold down the UP button (1st step) for 5 seconds

Setting the lower-limit position

- ▶ Stop the hook at the desired lower-limit position
- ▶ Press the EMERGENCY STOP
Then hold down the DOWN button (1st step) for 5 seconds

To cancel the programmed limit position is every time possible

Cancelling the upper-limit position

- ▶ Press the EMERGENCY STOP button
- ▶ Hold down the UP button for 5 seconds

Cancelling the lower-limit position

- ▶ Press the EMERGENCY STOP button
- ▶ Hold down the DOWN button for 5 seconds

Upper limit position

Individual adjustable upper and lower limit switches. Automatically decelerate to low-speed operation before reaching a limit position.

Automatic speed-reducing operation

Lower limit position



Technical data

Type	Load capacity	Body size	Lifting height	Control cable	Lifting motor		Lifting speed* (m/min)			Load chain diameter	Chain falls	Classification	Head-room C	Weight	Weight for additional 1 m lift
	kg		m	m	Out-put, kW	Rating (% ED)		50 Hz		mm		FEM/ISO	mm	kg	kg
								High	Low						
ER2-001IH	125	B	3	2.5	0.56	40/20	Standard	16.6	2.8	4.3	1	3m/M6	350	27	0.42
		B	3	2.5	0.56	40/20	Adjustable	16.6	1.4	4.3	1	3m/M6	350	27	0.42
ER2-003IS	250	B	3	2.5	0.56	40/20	Standard	10.8	1.8	4.3	1	3m/M6	350	27	0.42
		B	3	2.5	0.56	40/20	Adjustable	10.8	0.9	4.3	1	3m/M6	350	27	0.42
ER2-003IH	250	C	3	2.5	0.9	40/20	Standard	15.7	2.6	6.0	1	3m/M6	370	36	0.81
		C	3	2.5	0.9	40/20	Adjustable	15.7	1.3	6.0	1	3m/M6	370	36	0.81
ER2-005IL	500	C	3	2.5	0.56	40/20	Standard	4.5	0.8	6.0	1	3m/M6	370	32	0.81
		C	3	2.5	0.56	40/20	Adjustable	4.5	0.4	6.0	1	3m/M6	370	32	0.81
ER2-005IS	500	C	3	2.5	0.9	40/20	Standard	8.5	1.4	6.0	1	3m/M6	370	36	0.81
		C	3	2.5	0.9	40/20	Adjustable	8.5	0.7	6.0	1	3m/M6	370	36	0.81
ER2-010IL	1,000	D	3	2.5	0.9	40/20	Standard	4.2	0.7	7.7	1	2m/M5	430	45	1.33
		D	3	2.5	0.9	40/20	Adjustable	4.2	0.3	7.7	1	2m/M5	430	45	1.33
ER2-010IS	1,000	D	3	2.5	1.8	40/20	Standard	8.2	1.4	7.7	1	2m/M5	430	52	1.33
		D	3	2.5	1.8	40/20	Adjustable	8.2	0.7	7.7	1	2m/M5	430	52	1.33
ER2-016IS	1,600	E	3	2.5	1.8	40/20	Standard	5.3	0.9	10.2	1	2m/M5	510	72	2.3
		E	3	2.5	1.8	40/20	Adjustable	5.3	0.4	10.2	1	2m/M5	510	72	2.3
ER2-020IL	2,000	E	3	2.5	1.8	40/20	Standard	4.3	0.7	10.2	1	1Am/M4	575	73	2.3
		E	3	2.5	1.8	40/20	Adjustable	4.3	0.4	10.2	1	1Am/M4	575	73	2.3
ER2-020IS	2,000	E	3	2.5	3.5	40/20	Standard	8.2	1.4	10.2	1	1Am/M4	590	89	2.3
		E	3	2.5	3.5	40/20	Adjustable	8.2	0.7	10.2	1	1Am/M4	590	89	2.3
ER2-025IS	2,500	F	3	2.5	3.5	40/20	Standard	6.6	1.1	11.2	1	1Am/M4	625	100	2.8
		F	3	2.5	3.5	40/20	Adjustable	6.6	0.6	11.2	1	1Am/M4	625	100	2.8
ER2-032IS	3,200	E	3	2.8	3.5	40/20	Standard	5.2	0.9	10.2	2	1Am/M4	785	105	4.7
		E	3	2.8	3.5	40/20	Adjustable	5.2	0.4	10.2	2	1Am/M4	785	105	4.7
ER2-050IS	5,000	F	3	2.8	3.5	40/20	Standard	3.3	0.6	11.2	2	1Am/M4	850	128	5.6
		F	3	2.8	3.5	40/20	Adjustable	3.3	0.3	11.2	2	1Am/M4	850	128	5.6

*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.

Type	Load capacity	Dimensions (mm)									
		kg	D	a (MFC*)	b	d (MFC*)	e (MFC*)	f	g	h	i
ER2-001IH	125	430	535 (564)	345	276 (305)	259	284	27	99	117	
ER2-003IS	250	430	535 (564)	345	276 (305)	259	284	27	99	117	
ER2-003IH	250	430	568 (593)	348	300 (325)	268	283	27	113	106	
ER2-005IL	500	490	571 (598)	348	300 (325)	271 (273)	283	27	113	106	
ER2-005IS	500	490	568 (593)	348	300 (325)	268	283	27	113	106	
ER2-010IL	1,000	550	614 (632)	376	316 (332)	298 (300)	335	31	129	118	
ER2-010IS	1,000	550	623 (639)	376	316 (332)	307	335	31	129	118	
ER2-016IS	1,600	630	710 (737)	427	372 (397)	338 (340)	384.5	34	160.5	137.5	
ER2-020IL	2,000	630	710 (737)	427	372 (397)	338 (340)	384.5	39	160.5	137.5	
ER2-020IS	2,000	630	767 (782)	427	411 (426)	356	384.5	39	160.5	137.5	
ER2-025IS	2,500	840	800 (826)	445	401 (427)	399	437.5	39	173.5	142.5	
ER2-032IS	3,200	920	767 (782)	427	411 (426)	356	397	44	216	82	
ER2-050IS	5,000	920	800 (826)	445	401 (427)	399	439	47	231.5	84.5	

*With additional, mechanical brake.

