

EQ & EQS ELECTRIC CHAIN HOISTS

INCREASED PRODUCTIVITY



EQ

- ▶ 380 - 440 V
- ▶ 50 - 60 Hz
- ▶ 3 phases

EQS

- ▶ 110 V or 220 V - 240 V
- ▶ 50 Hz
- ▶ single phase



“No-load High-speed”

function: 1.3 times faster lifting speed when lifting less than 30 % of full load



EQ & EQS electric chain hoist



EQ

380 - 440 V
50 - 60 Hz
3 phases

EQS

110 V or 220 V - 240 V
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

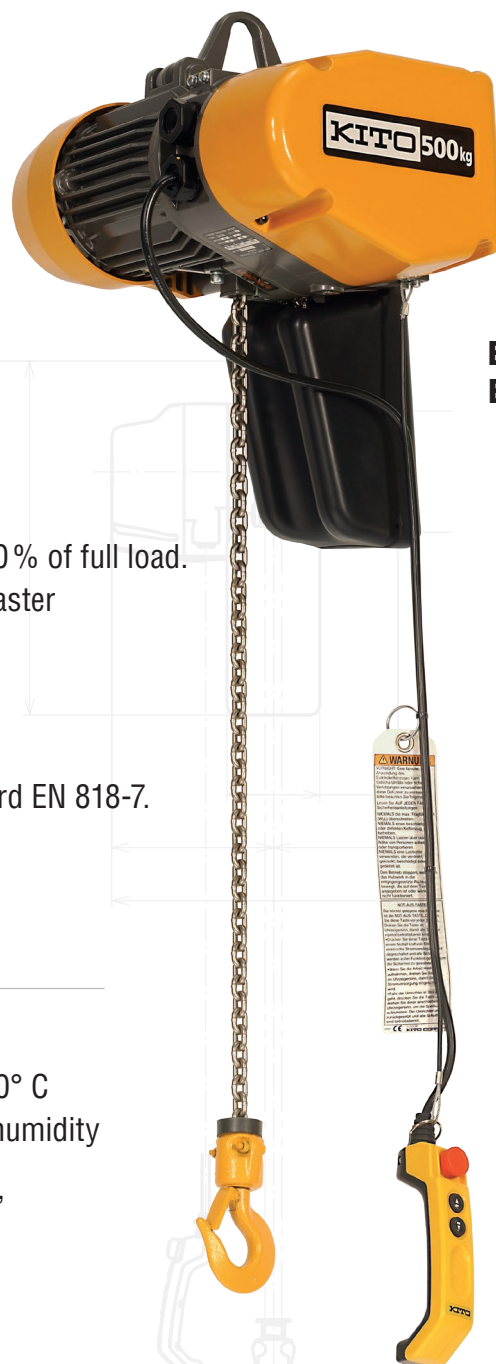
- ▶ 24 V control voltage
- ▶ Operating temperature -20° C up to +40° C, max. 85% humidity
- ▶ Compact aluminium body, sealed (IP55 rated)
- ▶ Eye suspension

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)



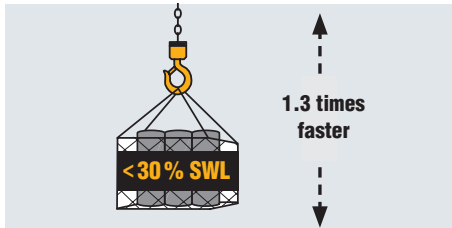
EQ005 /
EQS005

Radio remote control as option



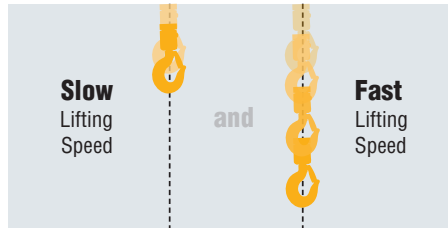
Benefits

“No-load High-speed” function



- ▶ 1.3 times faster lifting speed when lifting less than 30% of full load
- ▶ Improves work efficiency

Dual lifting speed with inverter



- ▶ High and low lifting speed
- ▶ Adjustable speed control
- ▶ Suitable for all work processes

Unique load chain



- ▶ Less wear
- ▶ Higher corrosion resistance
- ▶ Longer lifetime, less down-times

Frequency inverter



- ▶ Precise positioning
- ▶ Prevents load swing
- ▶ Increase safety
- ▶ Easy to use

High FEM classification



- ▶ Up to 500 kg load capacity FEM 3m / ISO M6
- ▶ 1,000 kg load capacity FEM 2m / ISO M5
- ▶ High durability and reliability

Reliable



- ▶ Sealed die-cast aluminum body, IP55 rated
- ▶ No transformer, no electro-magnetic components like contactors, relays, etc.

Optional suspensions



Top hook
▶ PAGE 8



Plain trolley
▶ PAGE 9

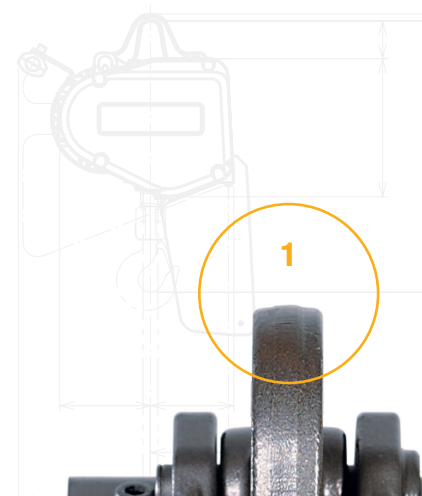


Motor trolley (only EQ)
▶ PAGE 10

EQ & EQS Product description

1. Eye suspension

Offers low headroom. Suitable also for enclosed profile trolley applications. Easily changed to optional top hook.



2. Load hook

With robust hook latch. Pivots by 360° provided by high quality ball bearings to avoid kinking and twisting of the load chain.

3. Compact die-cast aluminium body

Lightweight and completely sealed body, IP 55 rated. Compact design offers a low headroom.



4. Advanced pull-rotor brake

Extremely durable and reliable. Contains no brake coil to fail like conventional disc brakes.



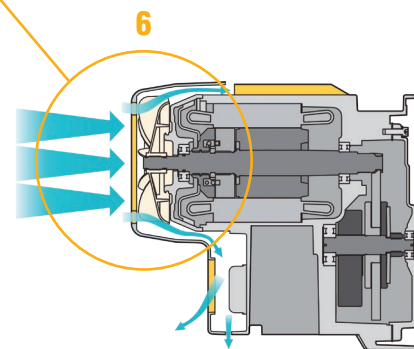
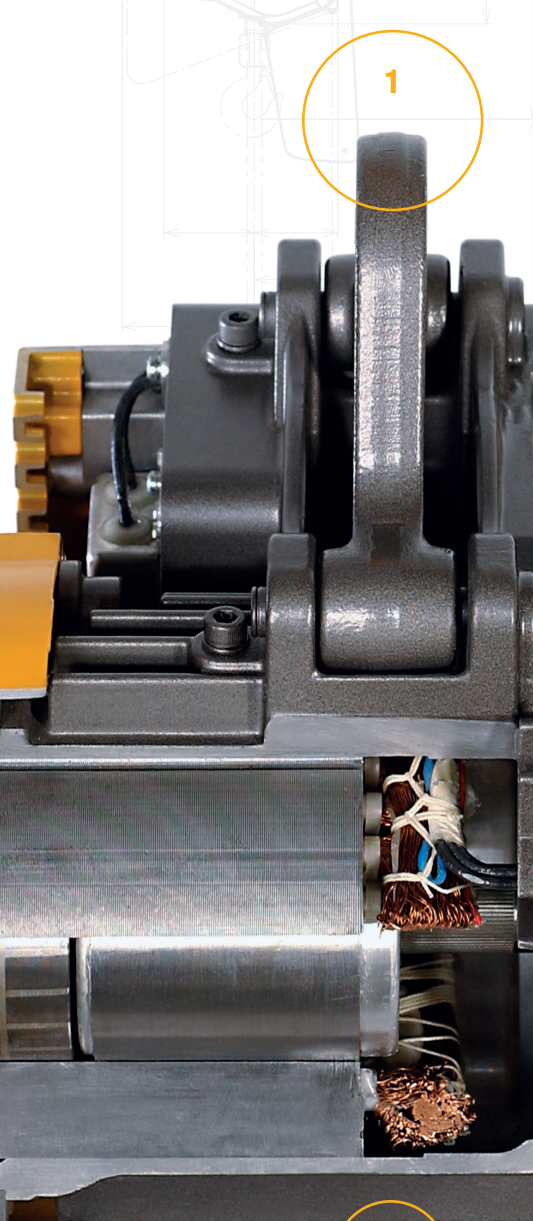
5. Push button pendant

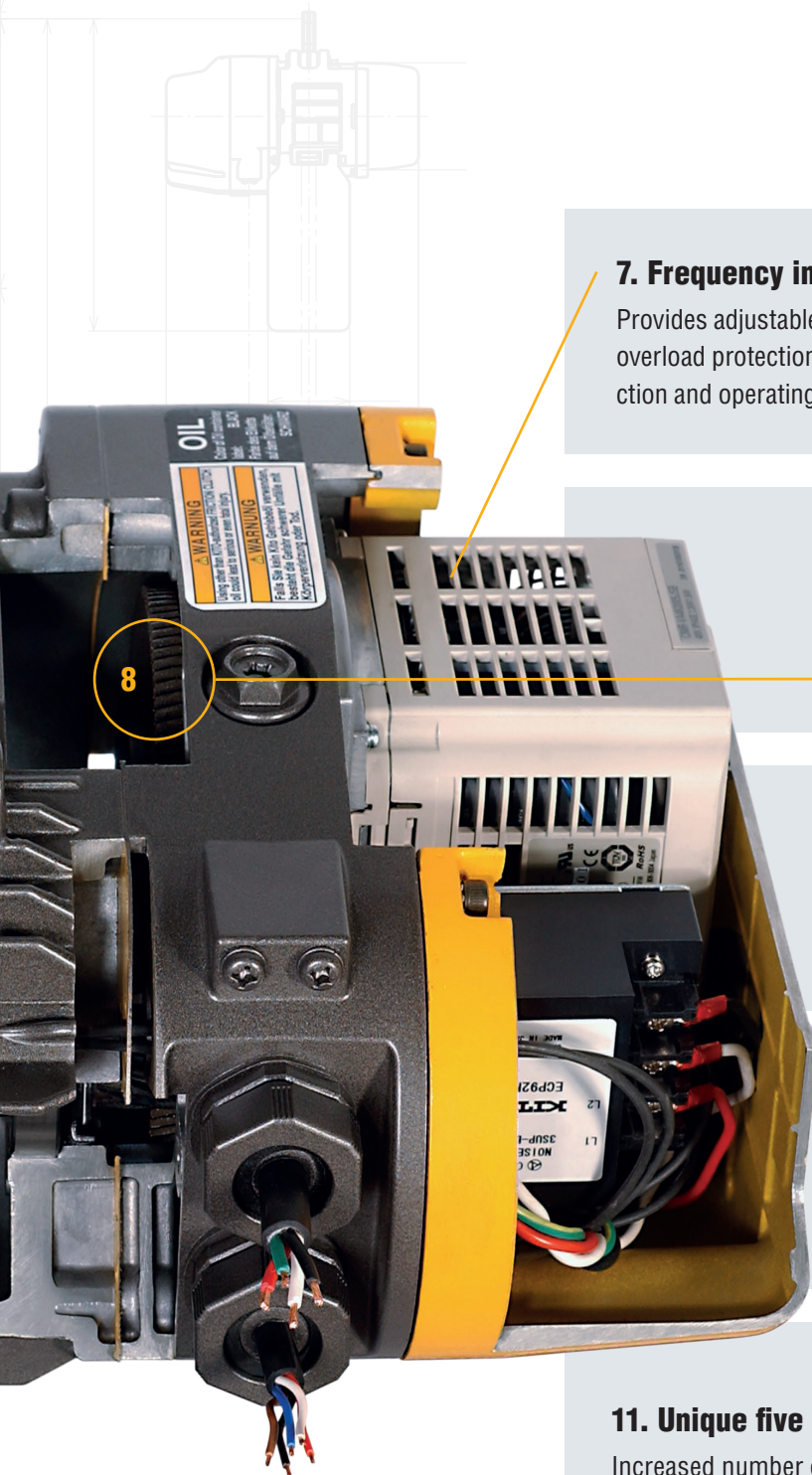
Ergonomic design. Easy-to-use in one-handed operation. IP65 rated. With emergency-stop button.



6. Fan-cooled motor

Heavy duty motor with external fan, cooling fins and external thermal motor protection. Improved air flow guarantees an optimized hoist duty rating and greatly lengthens brake life.





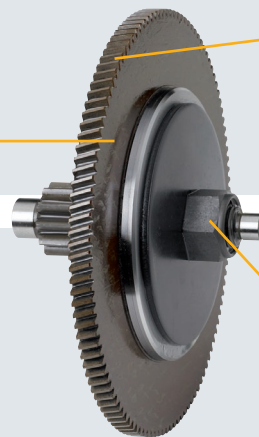
7. Frequency inverter

Provides adjustable dual lifting speed, overload protection, “No-load high-speed” function and operating hours counter. Speed ratio is 6:1.



8. Helical gears

Precision machined components guarantees quiet and smooth operation.



9. Long-life friction clutch

Provides consistent overload protection. Prevents damages of hoist and load.

10. Unique Nickel-plated load chain

Grade T, series DAT (G80) in accordance with standard EN818-7, strength 800 N/mm². Less wear and higher corrosion resistance.

11. Unique five pocket design

Increased number of pockets reduces chain vibration and increases chain life. Five pockets as standard.



12 + 13



12. Chain guide

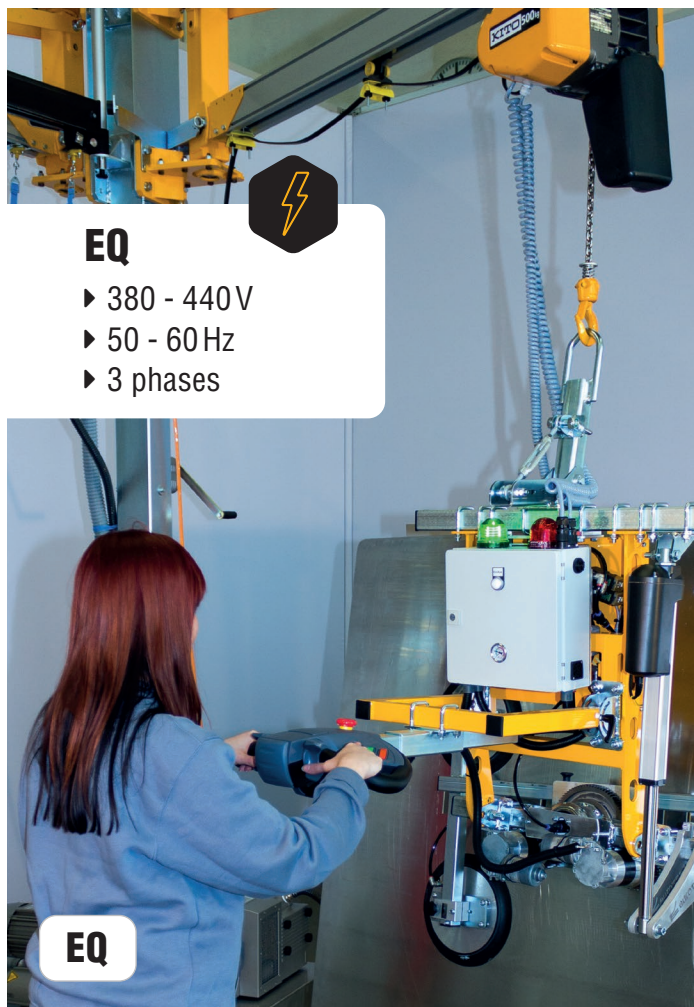
Provides smooth and quiet guiding of chain. Heavy cast iron construction for improved wear resistance.

13. Upper & lower limit switch

Robust micro switches. Low-profile design for an optimized headroom.

EQ Applications

- 🔧 Industrial environment
- 🔧 Production facilities
- 🔧 Plant engineering
- 🔧 Assembly lines
- 🔧 Workshops
- 🔧 Marine equipment
- 🔧 Maintenance services
- 🔧 And many more ...



EQ

- ▶ 380 - 440 V
- ▶ 50 - 60 Hz
- ▶ 3 phases





EQS Applications

- 🔧 Construction sites
- 🔧 Maintenance services
- 🔧 Sewage industry
- 🔧 Workshops
- 🔧 Agriculture
- 🔧 Technical inspections
- 🔧 Production facilities
- 🔧 Assembly lines
- 🔧 And many more ...



EQS

- ▶ 110V or 220V - 240V
- ▶ 50 Hz
- ▶ single phase



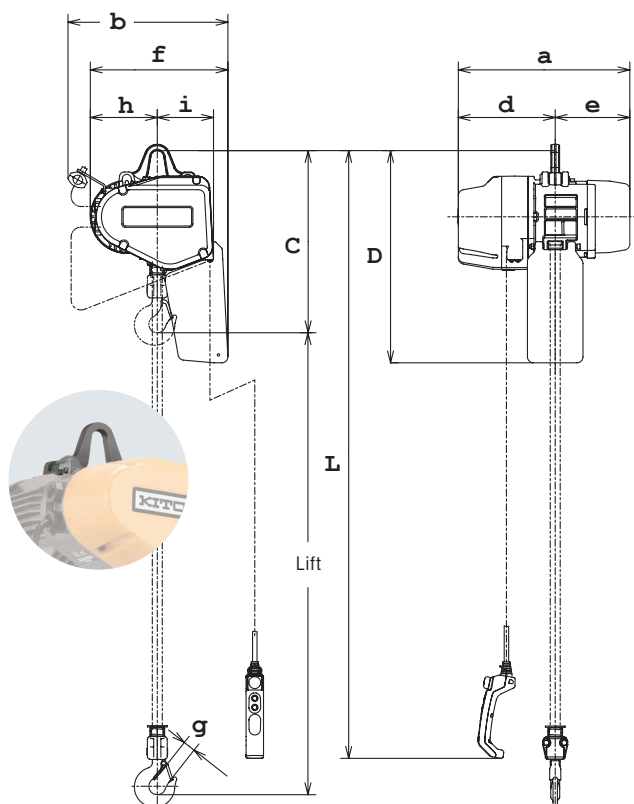
EQ

EQS

Suspension eye

EQ

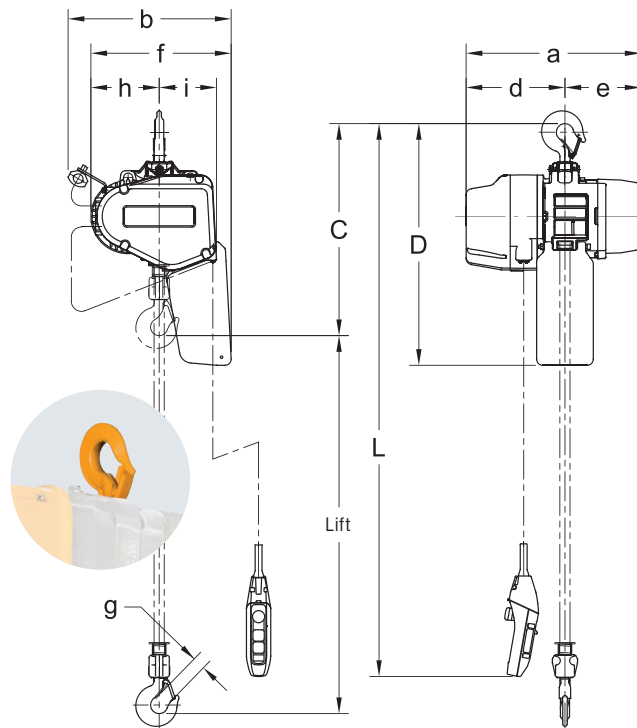
EQS



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	Classification 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

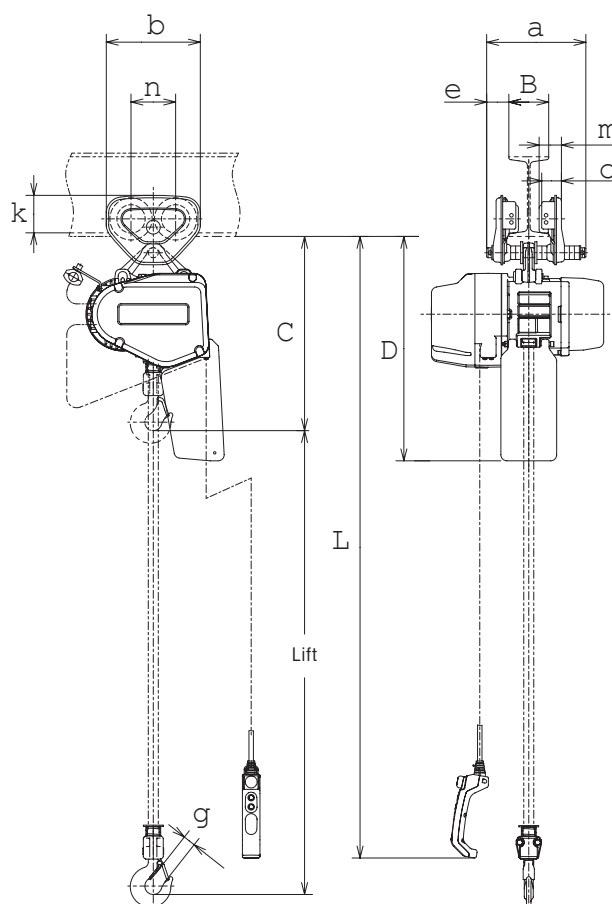
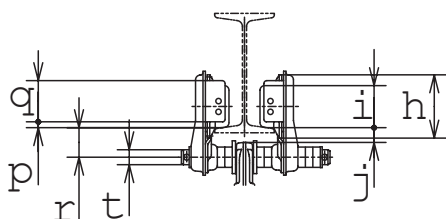
*% of full load, EQS005 speed ratio 6:1.

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

Plain trolley

EQ

EQS



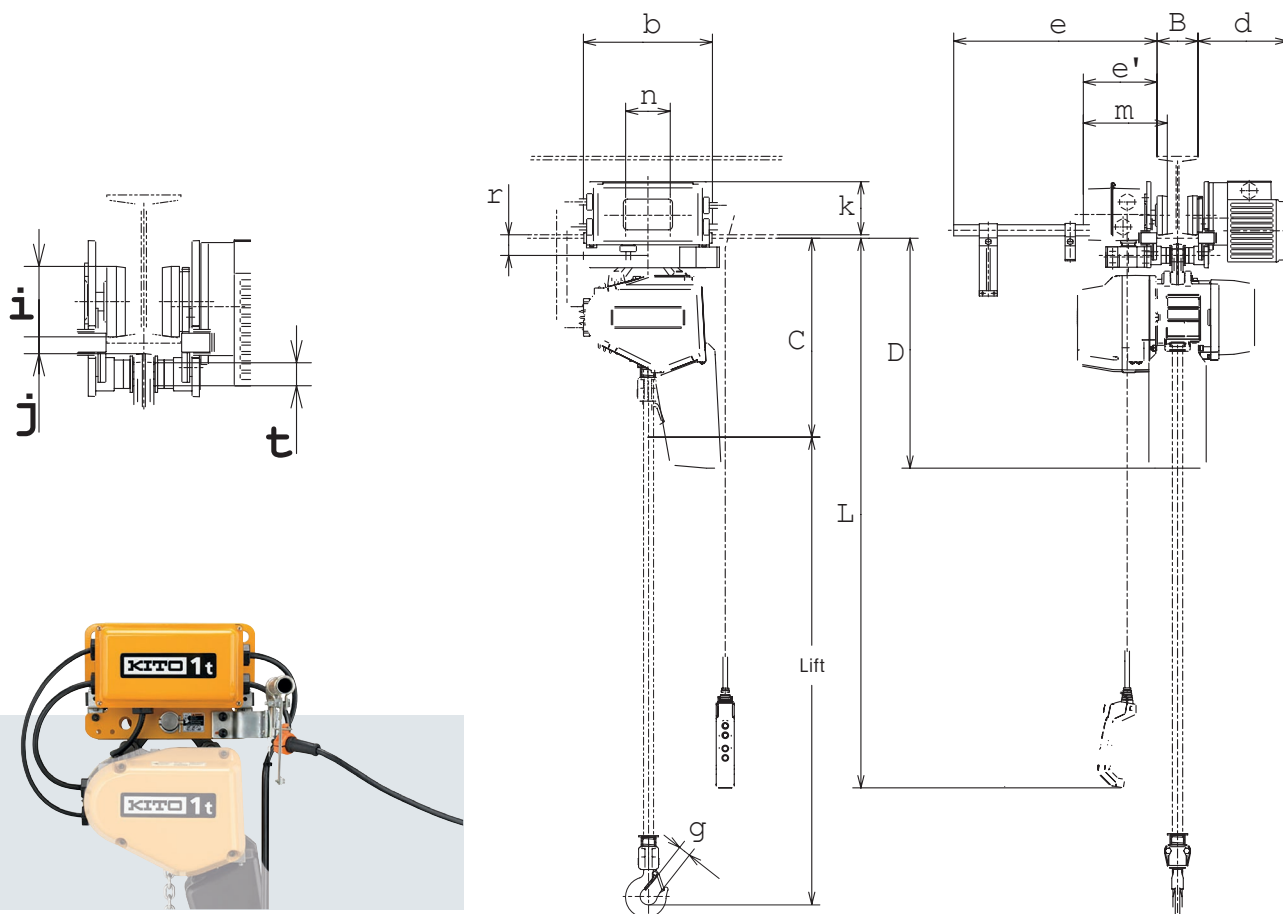
Dimensions EQ / EQS with plain trolley

Basic	Type	Load capacity	Dimensions (mm)																
		kg	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	EQSP005IS	50 - 163	164 - 305	1,150	1,200	430
EQS	EQSP010IS	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

Chain container

EQ

EQS

In plastic or canvas, depending on lifting height.



Plastic chain container



Canvas chain container

Basic	Type	Load capacity	Plastic chain container	Canvas chain container
		kg	m	m
EQ	EQ001IS	125	6	15
EQ	EQ003IS	250	6	15
EQ	EQ005IS	500	6	15
EQ	EQ010IS	1,000	6	15
EQS	EQS005IS	500	6	15
EQS	EQS010IS	1,000	6	15

Load chain

Higher corrosion-resistance of the load chain

KITO is the only manufacturer worldwide offering electroless nickel-plated load chains. The advantages of these products are higher corrosion-resistance and lower wear compared to traditional load chains.

Further characteristics:

- ▶ Reduced hydrogen embrittlement
- ▶ Nickel-plated load chain grade T, series DAT (G80) as standard for electric chain hoists resp. grade T, series V (G100) as standard for manual chain hoists in accordance with standard EN 818-7
- ▶ Special manufacturing process – strength 800 N/mm² resp. 1,000 N/mm²





www.niko.eu.com

AUSTRIA-NIKO Vertriebs GmbH

Hainfelder Straße 48
A - 2560 Berndorf
Tel. 0043 2672-21201
Fax 0043 2672-21201-13
office.at@niko.eu.com
www.niko.world

CHINA-NIKO TRADING (SHANGHAI) Co., Ltd.

Room 901-156, No.18 TianShan Road,
ChangNing District, Shanghai,
P.R.China
Tel. 0086 158 0064 7160
info.cn@niko.eu.com

GERMANY-NIKO Technik GmbH

Robert-Bosch-Str. 14
DE - 42489 Wülfrath
Tel. 0049 (0) 2058 9093603
Fax 0049 (0) 2058 9093604
office.de@niko.eu.com

GREECE-Helm Hellas S.A.

82nd Km Athens-Korinthos
P.O. Box 209
GR - 201 00 KORINTHOS
Tel. 0030 27410 76800
Fax 0030 27410 25368
info@niko.eu.com

POLAND- NIKO Polska

Wojska Polskiego 65A
PL - Wielun 98-300
Tel. 0048 504 00 35 56
info.pl@niko.eu.com

UNITED KINGDOM-NIKO Ltd.

Units 15-21, Insight Park
Welsh Road East, Southam
Warwickshire, CV47 1NE -UK
Tel. 0044 (0) 1926 813111
Fax 0044 (0) 1926 815599
Sales@niko.co.uk
www.niko.co.uk

USA-NikoTrack LLC

210 Century Drive
Bristol, CT 06010
Tel. 001 860-845-8179
Fax 001 860-584-8612
info@nikotrack.com
www.nikotrack.com



We take no obligation for layout, composition, technical modifications or misprints.
Subject to technical modifications / Images may differ from actual products.

© NIKO (Version February 2021)