

ER2 SERIES ELECTRIC CHAIN HOIST

SINGLE & DUAL SPEED WITH INVERTER



Applications

- ✓ Mining, construction, engineering, entertainment
- ✓ Manufacturing, health care, food factory
- ✓ Engineered to perform in the industry's toughest jobs and most extreme situations

Features

- ✓ Available in capacities ranging from 250 kg to 20 tonnes in optional lift heights
- ✓ Also available up to 50 tonnes upon request
- ✓ Dual-speed inverter with adjustable speed
- ✓ Push button control designed with an emergency stop
- ✓ Patented Friction Clutch allows for reliable overload protection and safety
- ✓ Thermal Protection on hoist motor reduces the risk of motor burnout
- ✓ Upper/Lower Limit Switch
- ✓ Adjustment free brakes - less maintenance
- ✓ Nickel plated load chain - added resistance to rust and abrasion
- ✓ Fan cooled motor - reduces overheating
- ✓ Condition monitoring with Counter/Hour Meter – built-in

Australian Standard: AS 1418.2

A reliable and robust hoist ER2 Electric Chain Hoist is environmentally friendly with its new compact, lightweight and energy efficient design.

Capacity: 250kg - 20T

Options



Motorised trolley



Push trolley



Geared trolley

ER2 Series Electric Chain Hoist - Single Speed

Outline

Rated capacity:	Single speed – 250 kg to 20 t
Voltage:	380-415 V 50 Hz
Control voltage:	24 V
Duty rating:	Single speed – 60% ED (60 min.)
Classification:	M4, M5, M6 (ISO); 1 Am, 2m, 3m (FEM); H4 (ASME)
Motor insulation:	Class F for 380-415-50
Enclosure:	Hoist body – IP55, Push button control - IP 65
Suspension varieties:	Hook, manual trolley, motorized trolley
Operating temperature:	-20 to 40 °C (-4 to 104 °F)
Operating humidity:	85%RH or less

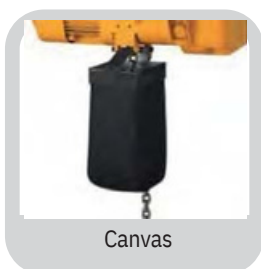
Specifications (Single Speed)

Capacity	Part No. (3 Metre)	Part No. (6 Metre)	Model	m/min Lifting Speed	output KW Motor Rating (%ED)	Motor Rating	Dia (mm) x Load Chain fall	Hook Suspended Headroom (mm)	Hook Suspended Weight (kg)	Load Chain Dia x Pitch (mm)	Load Chain Part No.
250kg	45801	45961	ER2-003S	9.1	0.56	60	4.3 x 1	350	27	4.3x12.0	45951
500kg	45802	45962	ER2-005L	3.8	0.56	60	6.0 x 1	370	33	6.0x16.7	45952
500kg	45803	45963	ER2-005S	7.3	0.9	60	6.0 x 1	370	37	6.0x16.7	45952
1 tonne	45804	45964	ER2-010L	3.5	0.9	60	7.7 x 1	430	47	7.7x21.4	45953
1 tonne	45805	45965	ER2-010S	7.1	1.8	60	7.7 x 1	430	54	7.7x21.4	45953
1.5 tonne	45806	64121	ER2-015S	4.5	1.8	60	10.2 x 1	510	72	10.2x28.4	45954
2 tonne	45807	45966	ER2-020L	3.7	1.8	60	10.2 x 1	575	73	10.2x28.4	45954
2 tonne	45808	63453	ER2-020S	7.0	3.5	60	10.2 x 1	590	91	10.2x28.4	45954
2.5 tonne	45809	63550	ER2-025S	5.7	3.5	60	11.2 x 1	625	104	11.2x31.2	45955
3 tonne	45810	63130	ER2-030S	4.4	3.5	60	10.2 x 2	785	107	10.2x28.4	45954
5 tonne	45811	62866	ER2-050S	2.9	3.5	60	11.2 x 2	850	132	11.2x31.2	45955

*KITO PWB stock the above capacity hoists. Greater than 5T capacity is available on request. All hoists have optional lift heights available.

Type of containers

The containers are mounted via various connection methods; customized to the model of the hoist and/or the lifting height. In some cases they can be suspended from an additional trolley.



ER2 Series Electric Chain Hoist - Dual Speed

Outline

Rated capacity:	Dual speed – 250 kg to 10 t plus
Voltage:	380-415 V 50 Hz
Control voltage:	24 V
Duty rating:	Dual speed – 40/20% ED (30/10 min.)
Classification:	M4, M5, M6 (ISO); 1 Am, 2m, 3m (FEM); H4 (ASME)
Motor insulation:	Class F for 380-415-50
Enclosure:	Hoist body – IP55, Push button control - IP 65
Suspension varieties:	Hook, manual trolley, motorized trolley
Operating temperature:	-20 to 40 °C (-4 to 104 °F)
Operating humidity:	85%RH or less

Specifications (Dual Speed)

Capacity	Part No. (3 Metre)	Part No. (6 Metre)	Model	m/min Lifting Speed	output kW/ Motor Rating	(%ED) Motor Rating	Dia (mm) x Load Chain fall	Hook Suspended Headroom (mm)	Hook Suspended Weight (kg)	Load Chain Dia x Pitch (mm)	Load Chain Part No.
Dual Speed with Inverter											
250kg	45821	63302	ER2-003IS	10.8-1.8	0.56	40/20	4.3 x 1	350	27	4.3x12.0	45951
500kg	45822	62820	ER2-005IL	4.5-0.8	0.56	40/20	6.0 x 1	370	32	6.0x16.7	45952
500kg	45823	62846	ER2-005IS	8.5-1.4	0.9	40/20	6.0 x 1	370	36	6.0x16.7	45952
1 tonne	45824	62944	ER2-010IL	4.2-0.7	0.9	40/20	7.7 x 1	430	45	7.7x21.4	45953
1 tonne	45825	63325	ER2-010IS	8.2-1.4	1.8	40/20	7.7 x 1	430	52	7.7x21.4	45953
1.5 tonne	45826	63854	ER2-015IS	5.3-0.9	1.8	40/20	10.2 x 1	510	72	10.2x28.4	45954
2 tonne	45827	62951	ER2-020IL	4.3-0.7	1.8	40/20	10.2 x 1	575	73	10.2x28.4	45954
2 tonne	45828	64773	ER2-020IS	8.2-1.4	3.5	40/20	10.2 x 1	590	89	10.2x28.4	45954
2.5 tonne	45829	POA	ER2-025IS	6.6-1.1	3.5	40/20	11.2 x 1	625	100	11.2x31.2	45955
3 tonne	45830	63180	ER2-030IS	5.2-0.9	3.5	40/20	10.2 x 2	785	105	10.2x28.4	45954
5 tonne	45831	62813	ER2-050IS	3.3-0.6	3.5	40/20	11.2 x 2	850	128h	11.2x31.2	45955

*Optional lift heights available.

Applications



ER2 Series Electric Chain Hoist

Specialised Options

➤ CDER2

Cylinder Control Dual/Single Speed
with Hook Suspension

- Standard length of power supply cable is five meters.
- Length of lift, push button cord and power supply cable is standard only available.
- Extending the load chain is prohibited with additional links.
- Plastic chain container is provided only.

Capacities: 125kg, 250kg (Single speed & dual speed)

Suspension: Hook suspended only



➤ ER2

Large Capacity

- Standard length of power supply cable is ten meters.
- Optional length of lift, push button cord and power supply cable besides standard is available on your request.
- Extending the load chain is prohibited with additional links.
- Steel chain containers are available as option as shown in Section of "Chain Containers" if your lift is more than capacity of the standard container volume.

Capacities: 7.5T, 10T, 15T, 20T

Suspension: Hook suspended, or with motorized or geared trolley



➤ TWER2

Twin Hook

- KITO Twin Hook electric chain hoist, which is equipped

with a single motor and two hooks, is intended to lift the hooks horizontally, equally and safely.

- This product is the most suitable for lifting applications requiring two lifting points for a wide load or retaining a level lifting.
- For special requirements such as dual speed or curve beam, available on request.

Capacities: 125kg + 125kg, 250kg + 250kg, 500kg + 500kg,
1T + 1T, 1.5T + 1.5T, 2.5T + 2.5T (Single speed)

Suspension: Motorized or manual trolley on hoist, or hook suspended



ER2 Series Electric Chain Hoist

Specialised Options

➤ ER2 WIND

Wind Hoist

KITO ER2 electric chain hoist is a reliable and robust device which is used for all demanding applications such as wind turbines.

- 3 phase/ 400V operating voltage.
- Optional operating voltage, length of lift and classification besides standard is available on your request.
- With options for radio remote control, foam hook protector and plain, geared or motorised trolley.
- Load sheave is 5 or 6 pockets (depending on the product model) for very smooth operation.
- Up to 150m HoL as standard.

Capacities: Standard 800kg fixed* (Single speed)

*Higher load capacities upon request

Suspension: Hook suspended, or with push, geared or motorized trolley



➤ FER2

Food Grade

with Hook Suspension

KITO PWB's Food Grade ER2 Electric Chain Hoist is well-suited for lifting applications in food, beverage, and pharmaceutical processing industries where pristine cleanliness is critical.

- Food grade lubricants used on the load chain and in the gearbox are NSF H1 compliant for safe use in any facility where incidental contact with product is a concern.
- Customer specified options include white epoxy paint, stainless steel and nickel-plated hardware, and nickel-plated load chain making this hoist well-suited for contaminant controlled or corrosive processing environments.

Capacities: 500kg, 1T, 2T (Single speed or dual speed)

Suspension: Hook suspended, or with push, geared or motorized trolley



➤ SHER2

Ultra Low Headroom

When height becomes an issue – the KITO Electric Chain Hoist SHER2M for low ceiling heights.

- In situations where every centimetre of headroom is vital, the KITO Electric Chain Hoist SHER2M (Short Headroom ER2 Motorised Trolley Type) is a welcome solution.
- Apart from use in buildings with low ceilings, it is also ideal where considerable lifting heights are necessary. This is accomplished by means of a special KITO chain guide.

Capacities: 250kg, 500kg, 1T, 1.5T, 2T, 3T, 5T (Single speed)

Suspension: Push, geared or motorized trolley



ER2 Series Electric Chain Hoist

Options

TROLLEYS

Motorized Trolley MR2



125kg to 20t

Push Trolley TSP



125kg to 3t



5t

Geared Trolley TSG



125kg to 3t



5t to 20t

➤ Motorized Trolley MR2

Bearing built-in side rollers provide smooth running through the minimum radius curve and excellent traversing performance with preventive derailment.

➤ Push & Geared Trolley

- Designed to provide smooth and easy traversing.
- Lugs provide protection from striking damage against rail stoppers, and from falling off the rail.
- Wheel flanges also prevent derailment.

➤ Push Trolley TSP

Designed for light load manual applications (125kg to 5t)

➤ Geared Trolley TSG

Designed for precise positioning and traversing by using hand chain (125kg to 20t)

SILICONE PENDANT COVER



Part No.	Model	Capacity (kg)	Traverse Speed M/Min	Beam Range (mm)	Min Radius (Mtr)
Single speed standard flange width					
45901	MR2-010S	1000	20	58 - 153 Flg	0.8
45902	MR2-020S	2000	20	82 - 178 Flg	0.8
45903	MR2-030S	3000	20	82 - 178 Flg	1.0
45904	MR2-050S	5000	20	100 - 178 Flg	1.8
Dual speed standard flange width					
45921	MR2-010IS	1000	24/4	58 - 153 Flg	0.8
45922	MR2-020IS	2000	24/4	82 - 178 Flg	0.8
45924	MR2-030IS	3000	24/4	82 - 178 Flg	1.0
45925	MR2-050IS	5000	24/4	100 - 178 Flg	1.8
Single speed wide flange					
45911	MR2-010SW	1000	20	154 - 305 Flg	0.8
45912	MR2-020SW	2000	20	179 - 305 Flg	0.8
45913	MR2-030SW	3000	20	179 - 305 Flg	1.0
45914	MR2-050SW	5000	20	179 - 305 Flg	1.8
Dual speed wide flange					
45931	MR2-010ISW	1000	24/4	154 - 305 Flg	0.8
45932	MR2-020ISW	2000	24/4	179 - 305 Flg	0.8
45933	MR2-030ISW	3000	24/4	179 - 305 Flg	1.0
45935	MR2-050ISW	5000	24/4	179 - 305 Flg	1.8
Silicone pendant cover					
67134	3 PUSH BUTTON COVER ASSEMBLY(HOIST ONLY)				
67135	5 PUSH BUTTON COVER ASSEMBLY(HOIST & MOTOR TROLLEY)				



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