

KITO

HOISTS FOR WIND TURBINES

ELECTRIC CHAIN HOISTS & MANUAL HOISTS



ER2 WIND HOIST

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

Options

- ▶ Radio remote control
- ▶ Foam hook protector
- ▶ Plain, geared or motorised trolley
- ▶ Special voltages on request

FOR YOUR WIND TURBINE

Load Capacity	Up to 800 kg fixed. Higher load capacities on request
Operating Voltage	3 phase 400/690 V, other voltages on request
Lifting Height	Up to 150 m, other lifting heights on request
Lifting speed	Up to 28 m/min
Classification	FEM 1Bm, ISO M3, other classifications on request
Motor Protection	Thermal motor protection PTC
IP Protection	Class IP55
Motor	Fan-cooled
Brake	Electromagnetic brake or pull rotor brake
Load Chain	Nickel-plated load chain with high corrosion resistance
Load Sheave	5 or 6 pockets (depending on the product model) for very smooth operation



1. Device suspension

Top hook or connector can be easily assembled and disassembled

2. Die-cast aluminium body

With stable structure

3. Hook protector

To cover the load hook, made of foam, clearly visible

4. Load hook

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

5. Push button pendant

Ergonomic design

6. Nickel-plated load chain

Grade T, series V (G100) in accordance with standard EN818-7, Strength 1,000 N/mm²

7. Chain stopper

1. Electromagnetic brake

Ensures powerful braking and holds the load securely

2. Thermal overload limiter

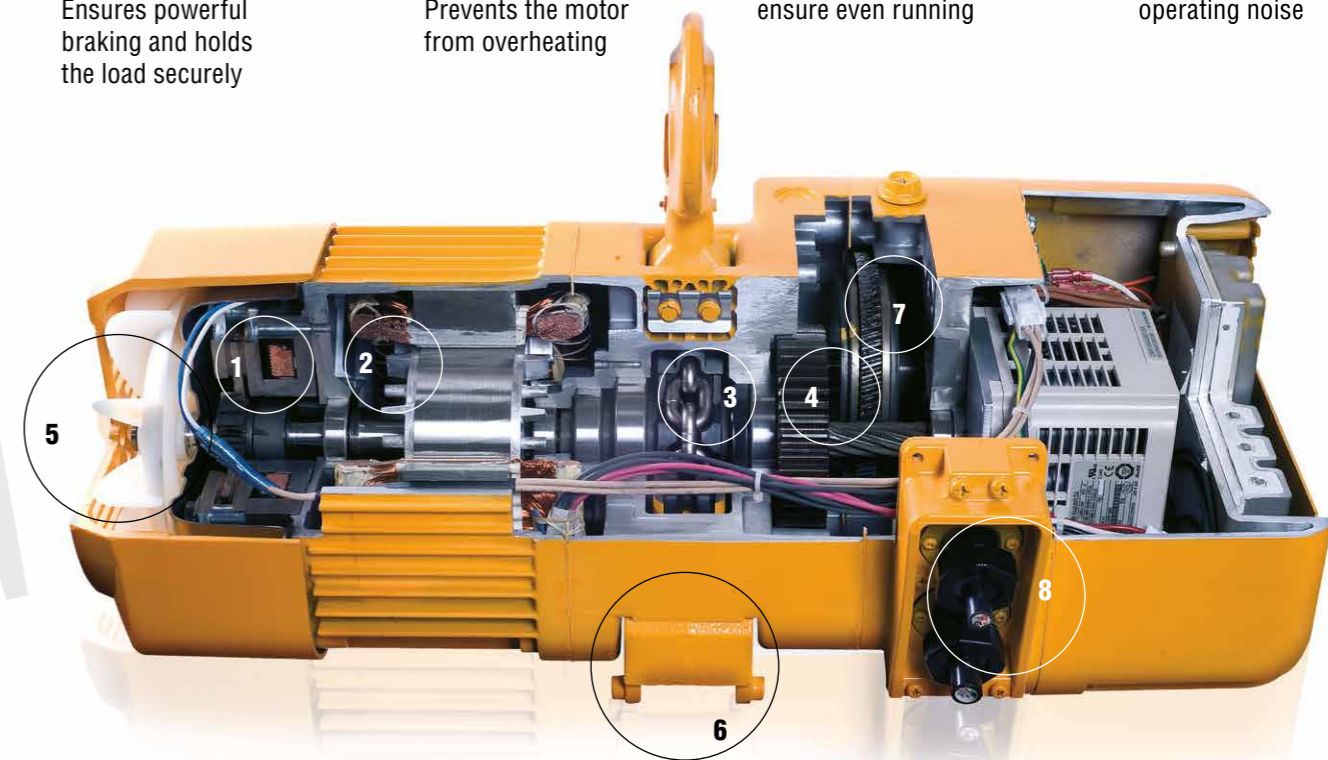
Prevents the motor from overheating

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

ED WIND HOIST

Single-phased KITO ED electric chain hoist is lightweight and robust as well as weatherproof and corrosion resistant.

- ▶ 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
- ▶ Weatherproof and corrosion resistant
- ▶ Aluminium gear casing

Options

- ▶ Radio remote control
- ▶ TMH plain trolley
- ▶ Foam hook protector

FOR YOUR WIND TURBINE

Load Capacity	Up to 480 kg
Operating Voltage	1 PH 230 V / 50 Hz
Lifting Height	Up to 100 m, other lifting heights on request
Lifting speed	Up to 20.1 m/min
Classification	FEM 1Am, ISO M4



1. Load capacities from 60 kg to 480 kg

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

2. High-performance mechanical brake

With friction clutch

3. High lifting speed

max. 20.1 m/min

4. Nickel-plated load chain

Grade T, series DAT (G80) in accordance with standard EN 818-7, Strength 800 N/mm²



Corrosion-resistant 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.

- ▶ Electroless nickel-plated
- ▶ 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



Manual Chain Hoists

As a useful addition to KITO electric chain hoists, our manual chain hoists are perfect tools when it comes to assembly and maintenance work. Load capacities of up to 50,000 kg can be achieved with our hand chain blocks. The lever hoists move loads up to 9,000 kg. They can be used everywhere even if neither space nor electricity are available for precise operations.

- ▶ Nickel-plated load chain
- ▶ Compact design
- ▶ Up to 50 t load capacity (CB)

Hand chain blocks CX and CB



Lever hoists LX and LB



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