

ER2CL SERIES

Make this your "Guardian" angel hoist.

Ergonomically designed, this 3-phase cylinder control ER Series provides all that you need for a safe and easy operation. It features a Guardian Smart Brake technology - an electrical fail-safe design and an in-line grip for one-handed operation allowing the user's free hand to position the load easily. Wherever the location, the sealed body allows this dual speed hoist to withstand indoor or outdoor hazardous environments. The ER2CL goes that extra step further to deliver comfort, safety and peak performance.

Smart Brake Technology

The ER's Guardian Smart Brake has an electrical fail-safe design that uses DC current to control brake activation. The fast activation drastically reduces wear on the brake discs, preserving the correct brake gap. The result is a maintenance-free braking system with a 10-year/2,000,000 activation cycle warranty.

EXTREME-DUTY TEFC MOTOR

Equipped with thermal overload protection and cooling fins on all four sides of the motor housing, the ER's totally enclosed fan-cooled motor (TEFC) efficiently dissipates heat, allowing for industry-leading duty ratings.

Ergonomic In-Line Handgrip Control

The ergonomic, in-line handgrip control allows for single-handed operation, which gives the operator a free hand to safely guide and position the load.

Count Hour Meter

The count hour meter records the hoist's starts and run time. This gives maintenance personnel an accurate record of the hoist's operating profile, letting them customize its maintenance schedule to optimize the hoist's life and improve workplace safety.



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CAPACITY

- Single Speed: 1/8 to 20 metric tonnes
- Dual Speed: 1/8 to 20 metric tonnes

STANDARDS

- CSA approved
- ASME B30.16
- ASME H4
- IP55 dust-tight and watertight
- Slip clutch to protect the hoist against over travel and overload damage

OPTIONS

- Plastic, canvas or steel chain containers
- Long lift chain container
- Lift lengths can be customized to suit requirements
- Plain, geared, or motorized trolley mount

BODY

- Die cast aluminum frame
- Completely sealed body for environmental protection
- Low headroom

GEARS

- Precision, induction-heated, durable alloy steel helical gears submersed in an oil bath

LOAD CHAIN

- Ultra-strong high-performance nickel-plated load chain, with unique short link pitch for greater resistance to fatigue and wear
- Grade 80

CHAIN GUIDE

- Long-lasting, heavy-duty cast iron construction, easily replaced without disassembling hoist

HOOKS

- Forged carbon steel opens gradually without fracturing under excessive loads. Bottom hook swivels 360 degrees
- Self-closing top and bottom hooks with heavy-duty hook latch

CONTROLS

- Ergonomic Cylinder Control Ideal for repetitive tasks- available in Adjustable 2-speed (220/440 volt) Dual Speed (575 volt)
- Controls located on a central electrical panel
- Control Voltage: 110 volts
- Adjustable, dual-speed, under-the-cover VFD (220 and 440 volt dual speed models)
- Simple to operate plug-in connectors Adjustable, dual-speed, under-the-cover VFD (220 and 440 volt dual speed models)

ERGONOMIC CYLINDER CONTROL

- Ergonomic Cylinder Control Ideal for repetitive tasks- available in Adjustable 2-speed (220/440 volt) Dual Speed (575 volt)

BEARINGS

- High-quality, anti-friction ball and roller design

BRAKE

- DC current electromagnetic brake stays engaged until powered (Industry leading 10 year warranty)
- Minimum brake torque of 200% at full load

MOTOR

- Three phase
- Standard Voltage: 220/440/575 volts
- 60 hertz
- Class B
- Extreme duty, totally enclosed, fan-cooled (TEFC) squirrel cage
- Motor fin, fan blade and fan cover design for optimum air flow

OVERLOAD PROTECTION

- Friction clutch located in the gearbox between motor and load gear prevents damage to hoist in the event of excessive overloading

OVERTRAVEL PROTECTION

- Limit switch disables controls when load block reaches upper or lower travel limit

OPERATING CONDITIONS

- Recommended for -20° to +40° C and humidity of 85% or lower