

Reliable, Efficient and
Heavy-Duty Lifting Solutions

ELECTRIC CHAIN HOIST E-SERIES

CAPACITY RANGE FROM 250 KGS TO 5 TONS



Our Electric Chain Hoist is engineered for precise lifting and long-lasting durability, offering outstanding performance in industrial and commercial settings. Featuring a sturdy build, smooth operation and advanced safety features, it ensures efficient and reliable material handling. Perfect for assembly stations, manufacturing facilities and construction sites, this hoist is designed to boost productivity while upholding top safety standards.

STANDARD SPECIFICATIONS

CAPACITY RANGE
250 Kgs to 5000 Kgs

CONTROL VOLTAGE
24V-Contactor
24V-Inverter

STANDARD PENDANTS
2 way
4 Way
6 Way
With emergency On/Off

LIFT HEIGHT
3-12mtrs
(Higher Lift Options
Available on Request)

CLASSIFICATION
2m/M5

RATINGS
Hoist-IP55
Pendant-IP65

OPERATING VOLTAGE
3 Phase, 380-415V, 50Hz
(Standard)
3 Phase, 460V, 60Hz
(Available on Request)
3 Phase, 575V, 60Hz
(Available on Request)

SUSPENSION
Hook, Eye and Trolley

OPERATING CONDITIONS
-10° to 45°C

CHAIN FALLS
Single chain fall
Double chain fall

DUTY CYCLE
Single speed-60% ED
Dual speed-40/20% ED

Limit Switch
Upper & Lower for
Over travel

CERTIFICATION
CE

COMPONENTS

BRAKE

Brake is placed after the slipping clutch, which enables the brake to hold the load without any power transmitted by the clutch.

OPERATIONAL SAFETY

High temperature protection ensuring high safety by thermistors IP55 for dust and moisture protection. Limit switches for upper & lower limit, emergency stop button, 24V control supply.

CHAIN

Surface hardened, galvanized chain class DAT(G80) Norm EN 818-7 ensures minimum wear and longer life.

COMPACT DIMENSIONS AND BEST HOOK APPROACH

Optimal space utilization.

SLIPPING CLUTCH

Reliable protection against overloading. Highest safety with brake positioned after the slip clutch, easily adjustable.

VARIABLE FREQUENCY DRIVE

Precise positioning of the loads. Minimize the load sway ensuring safe operations. Flexibility in variable speeds and acceleration matching to the application.

STEEL CASTED INTEGRATED CHAIN GUIDE

Provides quiet and smooth guiding of chain. Good accessibility of wearing parts.

DELIVERY

Up to 1 ton - within 3-4 weeks.



FIXED SUSPENSION



Eye Suspension



Hook Suspension

WITH TROLLEY



Manual Trolley



Powered Trolley

ELECTRIC CHAIN HOIST E-SERIES



TECHNOLOGY



SLIPPING CLUTCH

- Reliable overload protection
- Maximum safety with brake after slip clutch
- Precise adjustment



EFFICIENCY

- Energy-efficient: Consumes only needed power
- Increases lifespan of gear train, load chain, hooks and brake components



VARIABLE FREQUENCY DRIVE

- Programmable speeds and selectable intermediate speeds
- Precise load positioning
- Minimized load sway for safe operation



BRAKE

- Brake after slipping clutch holds the load without power transmission
- New electro magnetic brake ensures load retention in case of clutch wear or failure
- Asbestos-free brake linings for long service life



CHAIN WHEEL

- Hardened steel construction
- Deep-groove pockets support the load chain
- Reduces vibration and chain wear
- True vertical lift with longer chain life and smooth operation



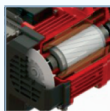
CONTACTOR CONTROL SYSTEM

- Simple, reliable technology (no electronics)
- Heavy-duty, mechanically interlocked contactors
- Emergency stop standard with 24V control system for safety



STEEL CASTED INTEGRATED CHAIN GUIDE

- Quiet, smooth chain guiding
- Easy access to wear parts
- Additional bearing support for chain wheel
- Quick, simple replacement



EXTREME DUTY MOTOR

- High starting torque for lifting applications
- Optimum cooling with external fins
- H-Class Insulation



SIZE AND WEIGHT

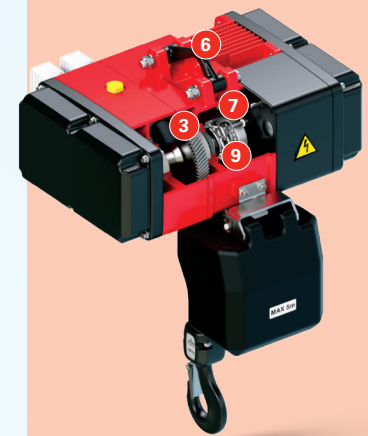
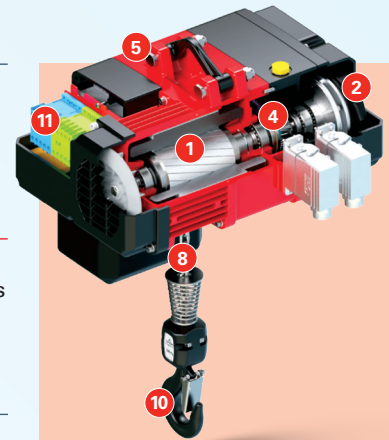
- Compact design for reduced headroom/ better hook approach
- Reduced weight
- Plug and play control



IMPROVED LOAD CONTROL

- Soft start for gentle positioning and minimal oscillation

MODEL	SAFE WORKING LOAD (KGS)	CONTACTOR	VFD
ES2x	≤500	✓	✓
ES3	500≤1000	✓	✓
ES4e	≤1000	✓	✓
ES4	1000≤2000	✓	✓
ES5	1600≤3200	✓	✓
ES6x	2500≤5000	✓	✓



THE HOIST

- MOTOR
- BRAKE
- TRANSMISSION
- SLIPPING CLUTCH
- HOUSING
- SUSPENSION BRACKET
- CHAIN WHEEL
- CHAIN
- UNIQUE CHAIN GUIDE
- FORGED CARBON STEEL HOOKS
- CONTACTOR CONTROL (OR) INVERTER CONTROL

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