

ELECTRIC CHAIN HOIST E SERIES

CAPACITY RANGE FROM 250KG TO 5 TONS

STANDARD SPECIFICATIONS

CAPACITY RANGE

250 Kg to 5000 Kg

DUTY CYCLE

Single Speed-60% ED
Dual Speed-40/20 % ED

RATINGS

Hoist - IP55
Pendant - IP65

LIFT HEIGHT

3-12m (Higher lifts available)

STANDARD VOLTAGE

3 Phase, 380-415 V, 50Hz

CLASSIFICATION

ISO M5
FEM 2M

UPPER/LOWER LIMIT SWITCH

Over lifting device

MOUNTING

Hook, lug or trolley

CONTROL VOLTAGE

24V-Contactor, 24V-Inverter

CERTIFICATION

CE

CHAIN FALLS

Single chain fall
Double chain fall

OPERATING CONDITIONS

-10° to + 45° C

STANDARD PENDANTS

Single speed: 2-button
Dual speed: 2-button
(With two steps)
With emergency On/Off

REFURB

Retrofit Kit available for
CA5025 & ES2 models



Optimal Space Utilization

Compact dimensions and best hook approach.

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.

Brake

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

Slipping Clutch

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

Steel Casted Integrated Chain Guide

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

High Safety in Operation

High temperature protection 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.

Delivery

250Kg, 500Kg, 1Ton. <3-4weeks

ELECTRIC CHAIN HOIST

FIXED SUSPENSION

EYE SUSPENSION



HOOK SUSPENSION



MANUAL TROLLEY



WITH TROLLEY

POWERED TROLLEY



TECHNOLOGY

SLIPPING CLUTCH

- Reliable protection against overloading.
- Highest safety with brake positioned after the slip clutch.
- Simple and precise adjustment.



BRAKE

- Brake is placed after the slipping clutch enables the brake to hold the load without any power transmitted by the clutch.
- New magnetic brake is designed to hold the load in the event of clutch wear or unlikely failure.
- Asbestos-free brake linings with a long service life.



STEEL CASTED INTEGRATED CHAIN GUIDE

- Provides quiet and smooth guiding of chain.
- Good accessibility of wearing parts.
- With additional bearing support for chain wheel.
- Quick and simple replacement.



EXTREME DUTY MOTOR

- Design for lifting application with high starting torque.
- Optimum cooling with external fins.
- H-Class Insulation.



CHAIN WHEEL

- Made of hardened steel.
- Deep-groove pockets fully support the load chain during operation.
- Reduces vibration and chain wear.
- Provides true vertical lift.



- Increased chain pockets for longer life of chain and smooth running.

CONTACTOR CONTROL SYSTEM

- Simple technology (no electronics susceptible to interference).
- Mechanically interlocked, heavy-duty contactors.
- Reliable technique.
- Emergency stop as a standard.
- 24V control system allowing highest safety of operation.



IMPROVED LOAD CONTROL

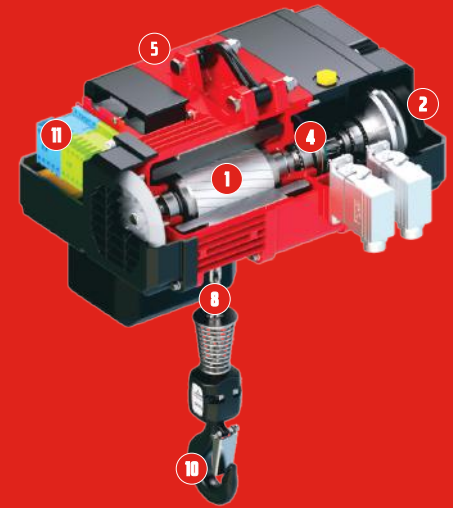
- The soft start ensures the accurate and gentle start and positioning of goods and minimises oscillating motion.

EFFICIENCY

- It only consumes the power that's needed, as a result, saving energy compared to contactors.
- Increase the life of gear train components, load chain, hooks and brake components.

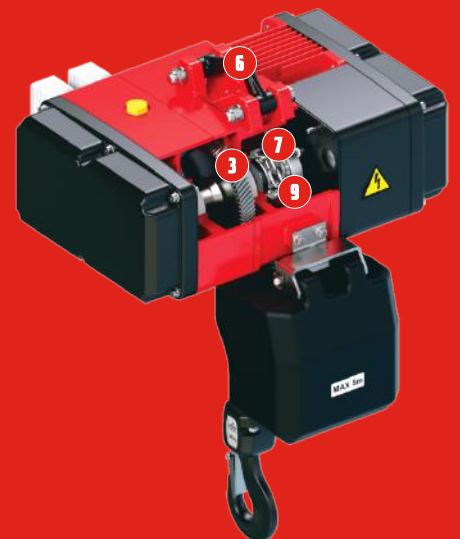
VARIABLE FREQUENCY DRIVE

- The speeds and ramps for lifting can be programmed to suit the application
- With the ability to choose intermediate speeds during operation without timely programming or upgrades.
- Precise positioning of the loads.
- Minimize the load sway ensuring safe operations.



THE HOIST

- MOTOR . 1
- BRAKE . 2
- TRANSMISSION . 3
- SLIPPING CLUTCH . 4
- HOUSING . 5
- SUSPENSION BRACKET . 6
- CHAIN WHEEL . 7
- CHAIN . 8
- UNIQUE CHAIN GUIDE . 9
- FORGED CARBON STEEL HOOKS . 10
- CONTACTOR CONTROL (OR) . 11
- INVERTER CONTROL



MODEL	SAFE WORKING LOAD (KG)	CONTACTOR	VFD
ES2	≤ 500	✓	⊘
ES3	500 ≤ 1000	✓	✓
ES4	1000 ≤ 2000	✓	✓
ES5	1600 ≤ 3200	✓	✓
ES6	2500 ≤ 5000	✓	✓

