MADE IN
GERMANY



EN
European Standard

International Organization for Standardization
ISO
9001-2015

FEM
European materials handling federation

ELECTRIC
CHAIN HOIST

CODEMA INDUSTRIAL PRODUCTS GMBH A M LINDEKAMP 415 VELBERT GERMANY

CODEMA

Advanced Technology | Integrated System Solutions

CODEMA seamlessly combines high-quality products, cutting-edge technology, and extensive lifting industry expertise. Rooted in precision German engineering and backed by an experienced team of specialists, we offer a comprehensive product range alongside customized, highly reliable system solutions—engineered to deliver maximum value and exceptional service to our global customers.







EUROPE



German Engineering | High Performance & Superior Efficiency

The CODEMA Electric Chain Hoist combines high performance, proven safety, and exceptional reliability. Built with precision German engineering and an ergonomic, user-centric design, it maximizes operational productivity and ensures peak efficiency in every lift.



Responsive Speed & Precision Control

The CODEMA electric chain hoist offers versatile operation and high positioning accuracy. It lifts loads quickly and efficiently at high speeds, while its dual-speed capability allows smooth, low-speed hoisting for ultra-precise placement.

Extended Service Life for Greater Efficiency

In practical terms, the service life of the CODEMA electric chain hoist is extended by approximately 20% compared to conventional chain hoists with a standard FEM 2m / ISO M5 rating. This results in significantly longer intervals between maintenance services and general overhauls—an extended operational lifespan guaranteed by our Made in Germany European electric chain series.



CHAIN GUIDE

DESIGN CM MODEL

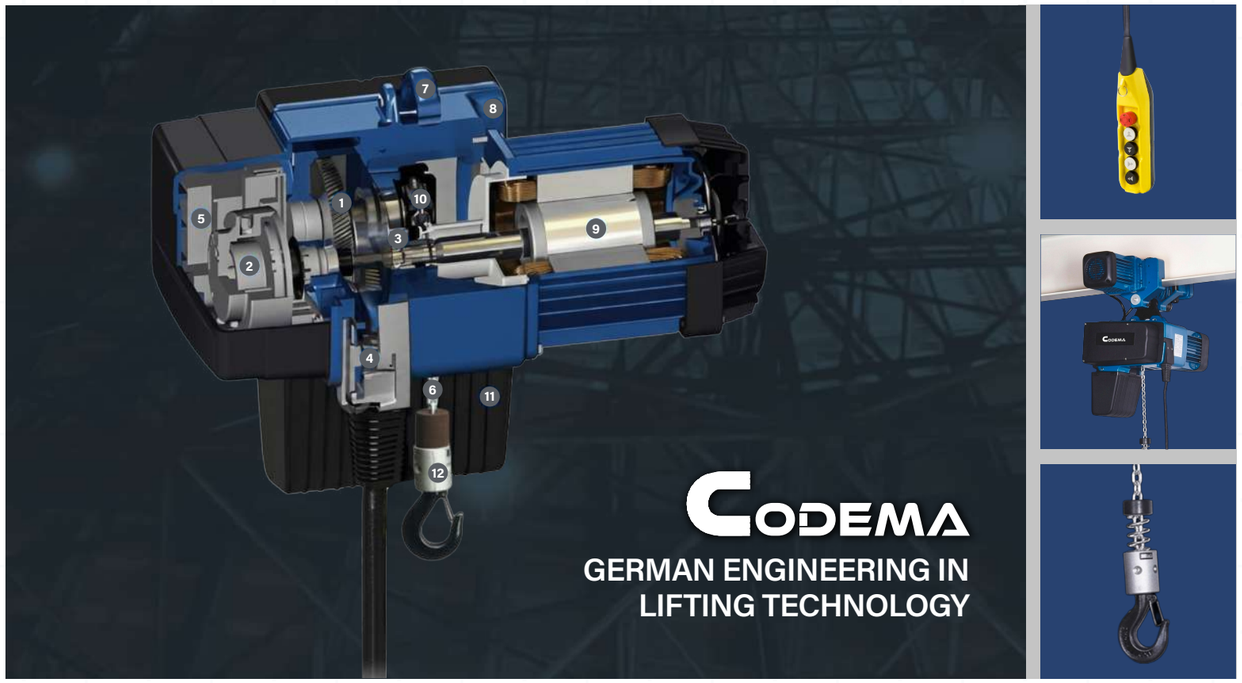
ENGINEERED DURABILITY & LOW MAINTENANCE

All primary drive components of the CODEMA European Electric Chain Hoist—including the gearbox, brake, and clutch—are manufactured using specialized engineering processes to ensure maximum durability. Built for heavy-duty environments, the CODEMA brake system requires zero maintenance for up to 5 years. Even under high-frequency operational cycles, CODEMA hoists maintain superior performance, reliability, and an extended service life.

SMART DESIGN FOR MINIMUM DOWNTIME

The CODEMA European Electric Chain Hoist is engineered around a service-oriented concept that simplifies routine inspection and maintenance. Its chain drive functions as a compact, modular unit that slides smoothly into place and can be replaced in minimal time—without needing to disassemble the motor or gearbox components. Extended operational downtime during maintenance is now a thing of the past.





The CODEMA European Electric Chain Hoist is fully certified by relevant national and international standards bodies. The hoist motor, chain hoist assembly, traveling motor drive, and push-button pendant control are all rated IP65, providing exceptional protection against dust ingress and low-pressure water jets for reliable performance in demanding environments.

1

Gearbox---Maintenance-free gearbox with FEM 2m / ISO M5 duty rating. The CODEMA European electric chain hoist delivers a rated service life of 1,900 full-load hours. In practical application, service life is extended by approximately 20%. High-precision helical gearing reduces operating noise while ensuring exceptionally smooth power transmission

2

Brake---Maintenance-free braking system engineered for minimal wear, eliminating the need for routine adjustment. Enclosed securely within the electrical compartment, it provides dual-layer protection against harsh environmental elements.

3

Slip clutch---Integrated maintenance-free slip clutch positioned behind the brake within the drive chain. It offers reliable overload protection, while integrated clutch monitoring prevents permanent damage during extreme duty cycles.

4

Height adjustable control pendant cable---The suspension height of the control pendant can be continuously adjusted to accommodate hook path ranges of 6 m. Excess cable is neatly housed behind the service cover for safe and practical operation.

5

Control---Powered by 24V low-voltage contactor control (Giovenzana) featuring upper and lower limit switches with IP65 ingress protection for safe and precise operation.

GIOVENZANA INTERNATIONAL B.V.

6

Steel chain---Specially engineered high-strength CODEMA load chain G80 made from age-resistant, hardened alloy steel. Galvanized and specialized surface treatments are available to ensure maximum corrosion resistance in demanding environments.

7

Suspension bracket---Supplied standard with both short and long suspension brackets to ensure optimal connection and integration with the supporting superstructure.

8

Housing---Lightweight yet robust die-cast alloy steel housing featuring a compact, modern industrial design. Finished with automotive-grade protective paint for superior long-term resistance against wear and corrosion

9

Hoist motor---Heavy-duty motor engineered with high safety reserves to perform reliably under high ambient temperatures and continuous duty. Features dual lifting speeds with a 1:4 speed ratio, with frequency control options for multi-speed applications.

10

Chain guide---Modular chain drive assembly comprising the chain and chain guide, allowing fast and simple replacement without dismantling motor or gearbox components. Reduces maintenance downtime significantly while utilizing highly wear-resistant materials for an extended service life.

11

Chain collector box---Mounted via a flexible pivoting connection, the chain container is made from high-impact. Accommodates hook paths up to 8 m.

12

Bottom block---Ergonomically designed bottom block for safe, easy manual handling. Features a high-strength drop-forged hook that rotates 360 degrees and includes a specially engineered safety latch to ensure secure load retention.



CODEMA
Electric Hoist with Electric Trolley

1 **Standard KBK Track Compatibility**
The CODEMA European electric chain hoist is engineered for seamless installation on standard KBK light crane system tracks and modular rails.

2 **Plug-and-Play Installation & Testing**
Features quick-connect plug-in electrical connections and a universal plug-and-play suspension mechanism.

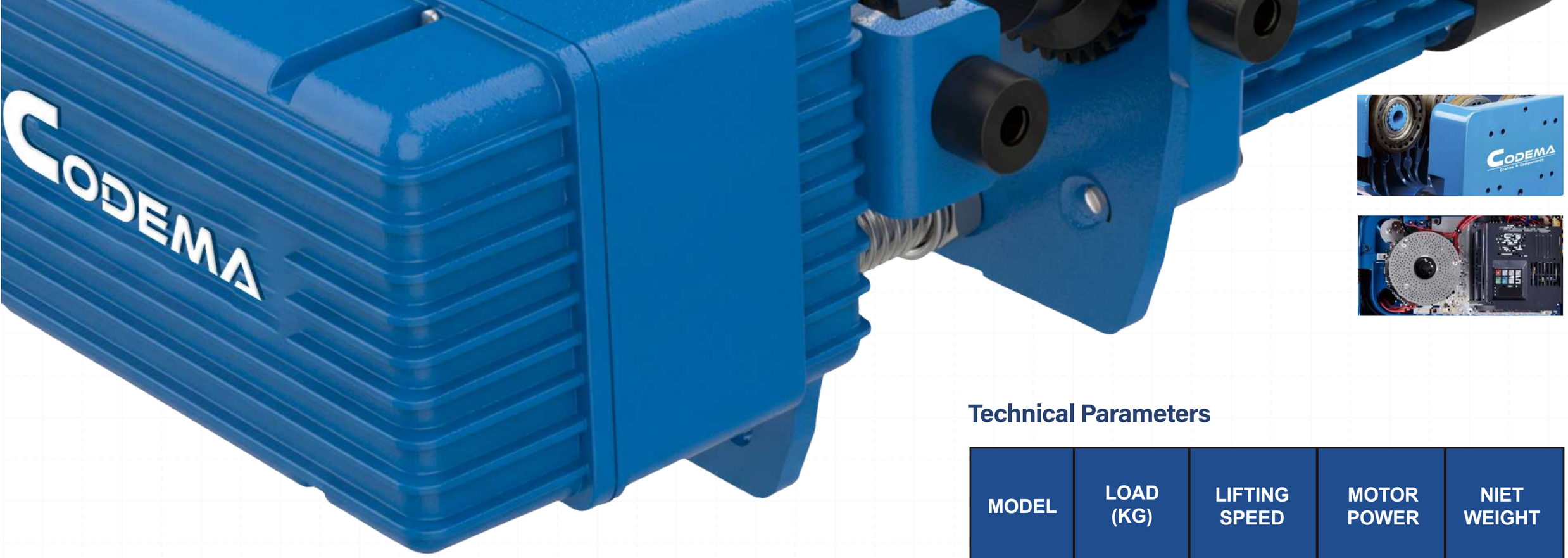
3 **Giovenzana Ergonomic Control Pendant**
Features an adjustable cable length for optimal positioning and an ergonomic soft-grip housing that reduces operator fatigue during continuous use.

4 **Centralized Service & Fast Maintenance**
The service cover allows direct access for electrical connection, control cable height adjustment, chain lubrication, and rapid replacement of the chain guide—all without removing other components—significantly reducing maintenance downtime.

Dual-Speed Electric Chain Hoist Motor

Engineered for peak efficiency and precision lifting. Powered by a 24V low-voltage control system (Giovenzana) for enhanced operational safety and smooth control.

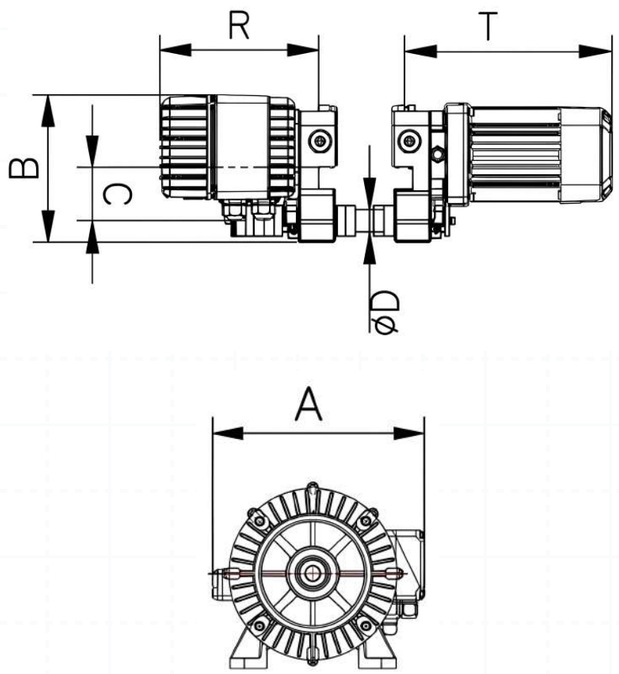
	LOAD	SPEED	LIFTING SPEED	MOTOR POWER	CHAIN	LIFTING HEIGTH	FALL	VOLTAGE	CONTROL VOLTAGE	FEM / ISO	IP	NET WEIGHT
CM0.25-01M	250 KG	2 SPEED	9.6 / 2.4	0.96 / 0.24 KW	5.15 MM	6 m	1 / 1	220V	24 V	2M / M5	IP65	29 KG
CM0.5-01M	500 KG	2 SPEED	9.6 / 2.4	0.96 / 0.24 KW	5.15 MM	6 m	1 / 1	220V	24 V	2M / M5	IP65	37 KG
CM0.5-02M	500 KG	2 SPEED	4.8 / 1.2	0.45 / 0.12 KW	5.00 MM	6 m	2 / 1	220V	24 V	2M / M5	IP65	42 KG
CM0.1-02M	1,000 KG	2 SPEED	4.8 / 1.2	0.96 / 0.24 KW	5.00 MM	6 m	1 / 2	220V	24 V	2M / M5	IP65	52 KG
CM0.2-02M	2,000 KG	2 SPEED	4.8 / 1.2	2.16 / 0.54 KW	7.1 MM	6 m	2 / 1	220V	24 V	2M / M5	IP65	72 KG
CM03-02MET	3,000 KG	2 SPEED	4.8 / 1.2	3.24 / 0.84 KW	10.00 MM	6 m	2 / 1	220V	24 V	2M / M5	IP65	110 KG
CM03-02MET	3,000 KG	2 SPEED	4.8 / 1.2	4.32 / 1.08 KW	10.00 MM	6 m	2 / 1	220V	24 V	2M / M5	IP65	176 KG
CM05-02MET	5,000 KG	2 SPEED	4.8 / 1.2	4.8 / 1.2 KW	11.20 MM	6 m	2 / 1	220V	24 V	2M / M5	IP65	172 KG



CODEMA
Electric Trolley

CODEMA electric trolley (or motorized beam trolley) is a material handling device mounted on H-beam that provides smooth, powered horizontal travel for hoists.





Technical Parameters

MODEL	LOAD (KG)	LIFTING SPEED	MOTOR POWER	NIET WEIGHT
ET-0.25	250 KG	14.4 m/min	0.4 kW	15 KG
ET-05	500 KG	14.4 m/min	0.4 kW	20 KG
ET-01	1,000 KG	14.4 m/min	0.55 kW	28 KG
ET-02	2,000 KG	14.4 m/min	0.66 kW	35 KG
ET-03	3,000 KG	14.4 m/min	0.75 kW	55 KG
ET-05	5,000 KG	14.4 m/min	1.1 kW	76 KG