

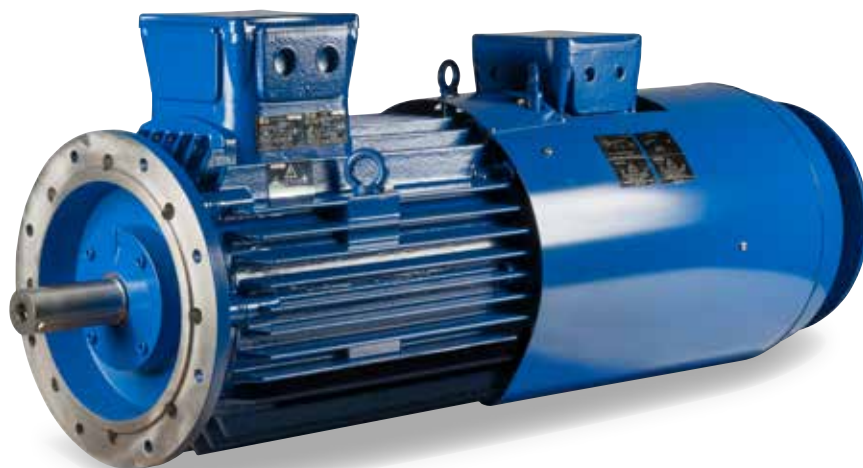
**cemp**

Flameproof  
Motors



# EXPLOSION PROOF BRAKE MOTORS

NOVEMBER 2022 | EUROPE



**RegalRexnord**



# BRAKE MOTORS SINCE 1954

## A Complete Range of High Efficiency Motor IE3-IE4

### In 1954

CEMP® Flameproof Motors were among the first such motors manufactured in Europe. During the '70s, production was oriented to higher customized products such as the brake motors, to face competition from Eastern Europe.

### In 1979

Production of the first explosion-proof brake motor series in the world started with the CEMP ADD product.

### In 2008

Product range of flameproof brake motors was extended up to 55 kW.

### In 2012

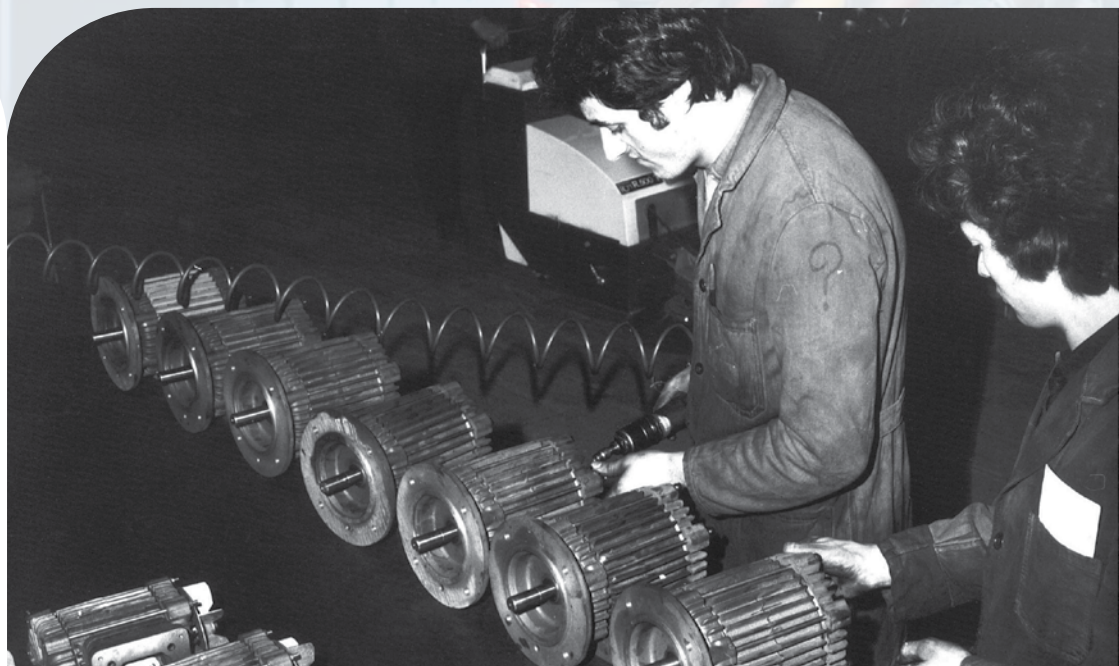
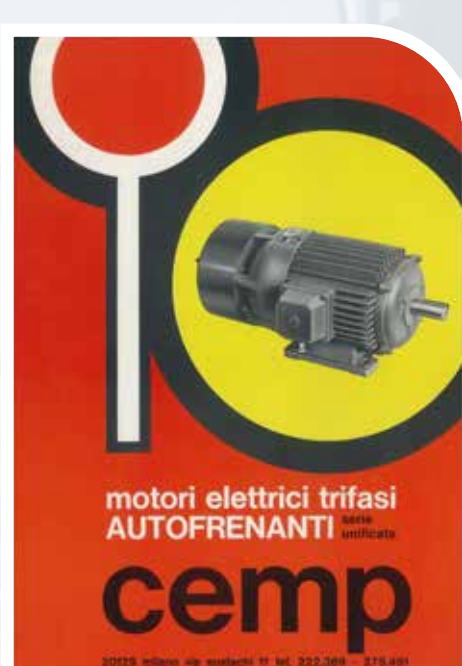
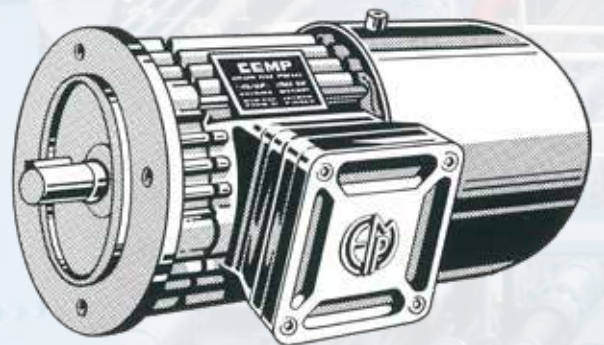
The explosion proof brake motor was developed up to 110 kW, and IEC Ex certification was finalized for the whole product range.

### Today

Regal Rexnord is upgrading our brake motors range to Premium Efficiency IE3, in order to meet the most demanding energy efficiency requirements.

**We have been the first to provide such wide and complete range of explosion proof motors, specifically designed for heavy duty operations typical of brake motors applications.**

For almost 40 years we have differentiated ourselves by providing highly customized brake motor solutions for the most demanding operational requirements.



## MAIN OPTIONS

### IE1 - IE2

- Range frame 63-315
- Single / double speed
- Designed for continuous duty (S1) and non-continuous duty (S2, S3, S4, S6, S9)
- Low temperature design (for 180-315 frame)
- AC and DC brake options with or without rectifier

### IE3 - IE4

- -60°C / +60°C ambient temperatures
- Up to T6 temperature class
- Wide brake regulation range
- Extended inverter duty range
- Increased starting torque

## SPECIAL OPTIONS

- Forced ventilation
- Encoder
- Stainless steel fan cover and rain canopy
- Auxiliary terminal boxes "taylor made"
- Customized C5-M painting
- Hand brake release
- Available IC411
- Space heater / PTC / PT100
- Microswitch



## MATERIALS ON THE MAIN COMPONENTS

Frame size	63÷250	280÷355
Frame Endshields Terminal box	Cast iron EN-GJL-200 (UNI EN 1561)	Cast iron EN-GJL-200 (UNI EN 1561)
Fan cover Rain cap	Steel	Steel
Fan	Non sparking thermoplastic material or aluminium Brass for mining application motors	Aluminium Brass for mining application motors
Shaft	Steel C45	Steel C45
Rotor	Squirrel cage in die cast aluminium	Squirrel cage in die cast aluminium
Winding	Insulation class F or H	Insulation class F or H
Fasteners	Galvanized steel 8.8 ISO 898-1 Stainless steel A4 ISO 898-1	Galvanized steel 8.8 ISO 898-1 Stainless steel A4 ISO 898-1
Cable gland (on request)	Brass or stainless steel	Brass or stainless steel
Brake enclosure	Cast iron EN-GJL-200 (UNI EN 1561)	Cast iron EN-GJL-200 (UNI EN 1561)
Brake terminal box	Cast iron EN-GJL-200 (UNI EN 1561)	Cast iron EN-GJL-200 (UNI EN 1561)

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# THE RIGHT MOTOR

## FOR YOUR APPLICATION NEEDS

- Crane
- Hoist
- Lifting system
- Bulk handling
- Capstan
- Winches





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