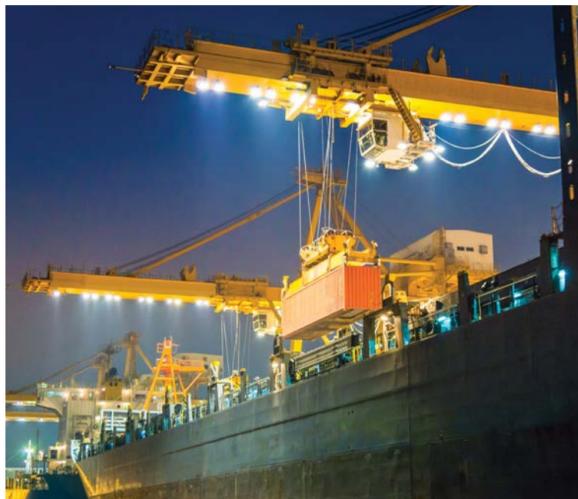


THE RIGHT MOTOR FOR YOUR APPLICATION NEEDS

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



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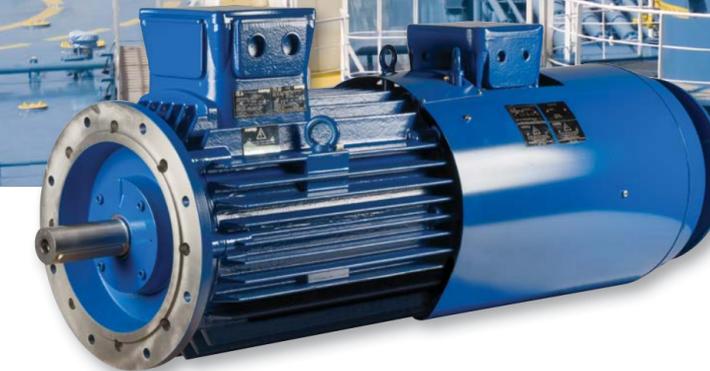
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APPLICATION CONSIDERATIONS

The proper selection and application of power transmission products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit America, Inc. and/or its affiliates ("Regal") with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk. For a copy of our Standard Terms and Conditions of Sale, please visit <http://www.regalbeloit.com> (please see link at bottom of page to "Standard Terms and Conditions of Sale"). These terms and conditions of sale, disclaimers and limitations of liability apply to any person who may buy, acquire or use a Regal product referred to herein, including any person who buys from a licensed distributor of these branded products.

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EXPLOSION PROOF BRAKE MOTORS

A COMPLETE RANGE OF HIGH EFFICIENCY MOTOR IE3-IE4

REGAL®

REGAL®

BRAKE MOTORS SINCE 1954

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.

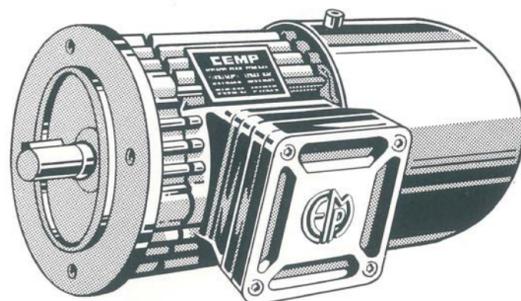
In 2008 product range of flameproof brake motors was extended up to 55 kW.

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 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 our w/out rectifier

IE3-IE4

- -60°C / +60°C ambient temperatures
- Up to T6 temperature class
- Special version "IP67/68" on request
- 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



CERTIFICATIONS



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)