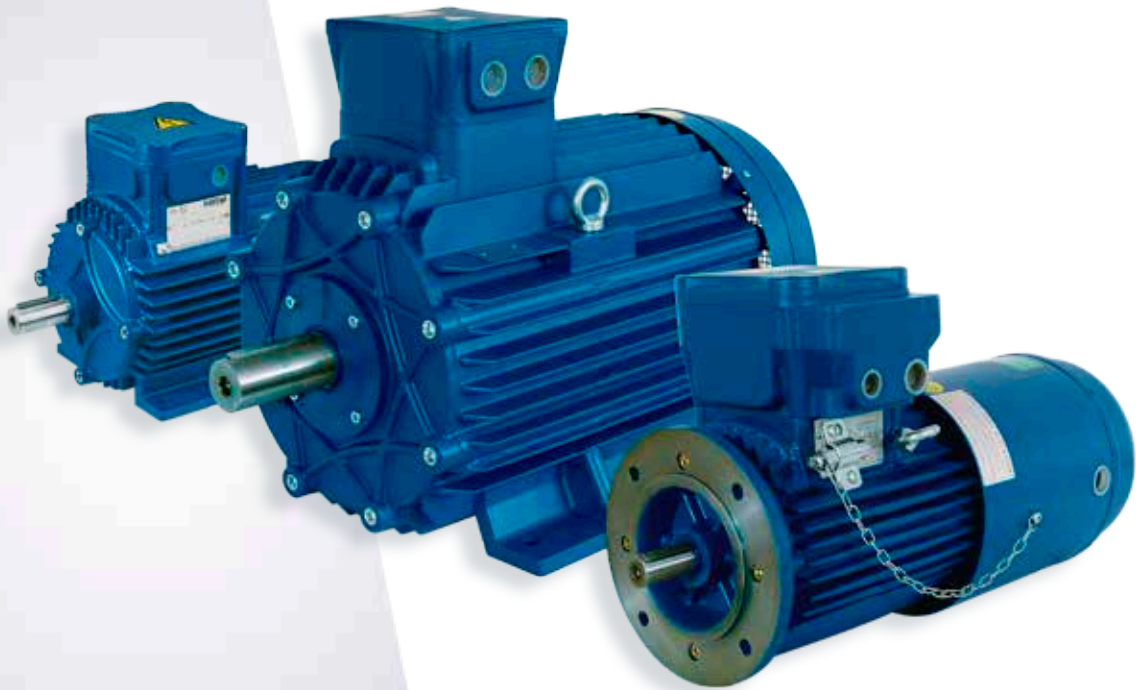


cemp

Flameproof
Motors

Atex - IECEx



A Regal Brand

REGAL

Quality System ISO 9001.2008

CSQ - IQNet

CISQ

Production Quality Assurance Notification

Atex (Cesi)

IECEX (Cesi)

CUTR (Nanio)

International Standards

Atex directives

IEC

CUTR



A comprehensive range



Flameproof motors

Series A, Cast iron

- To norms IEC 60079-0, 1, 7
- Ex d, Ex de / Ex-tb, Ex-tc
- ATEX category 2D, 2G, 2GD
- Group IIB, IIC
- Temperature Class T3, T4, T5, T6
- To norm IEC 60079-31
- Zones 1,2 / 21, 22;
- Max surface temperature [°C]
T150, T135, T125, T100, T85
- To norms IEC 61241-0, 1
- Protection IP55, IP56, IP65, IP66
- To norms IEC 60034-1, 2, 5, 6, 7,
8, 9, 12, 14, 30, 60072
- Frame size from 63 to 355 (IEC)
- Power from 0.12 to 375 kW
- Three phase 1 or 2 speed
- Single phase (frame size 63-100)
- 400V, 50 Hz
- Pole 2, 4, 6, 8
- Ventilated & with forced ventilation
- Available IE2, IE3
- Available Atex, IECEX

Series AM for mines

- To norms IEC 60079-0, 1, 7
- Ex d, Ex de
- ATEX category 1M2
- Group I (mine)
- Protection IP55, IP65, IP66
- To norms IEC 60034-1, 2, 5, 6, 7,
8, 9, 12, 14, 30, 60072
- Frame size from 63 to 355 (IEC)
- Power from 0.12 to 375 kW
- Three phase 1 or 2 speed
- 400V, 50 Hz
- Pole 2, 4, 6, 8
- Ventilated & with forced ventilation
- Available IE2, IE3
- Available Atex, IECEX

With brake

Series D, H Cast iron

- To norms IEC 60079-0, 1, 7
- Ex d, Ex de - Ex tb, Ex tc
- ATEX category 2D, 2G, 2GD - 3D
- Group IIB, IIC - IIIB, IIIC
- Temperature Class T3, T4
- To norm IEC 60079-31
- Zones 1,2 / 21, 22;
- Max surface temperature [°C] T135
- To norms IEC 61241-0, 1
- Protection IP55 - IP66
- To norms IEC 60034-1, 2, 5, 6, 7,
8, 9, 12, 14, 30, 60072
- Frame size from 71 to 315 (IEC)
- Power from 0.12 to 110 kW
- Three phase 1 or 2 speed
- 400V, 50 Hz
- Pole 2, 4, 6, 8
- Ventilated, unventilated & with
forced ventilation
- AC or DC disk brake
- Available IE2
- Available Atex, IECEX

M A I N O

Mechanical variants

- Motors protection IP55, IP56, IP65, IP66
- Low temperature
- Special flanges and shafts
- Without terminal box with plate (cables gland,
or seal joints and conduit)
- Locked bearings, roller bearings or special
bearings
- Terminal box on side
- SPM probe (vibrations measurement)
- Double ended shafts

- Cable gland fitted to terminal box
- Condensation drain valve
- Grade A or B balancing
- Rain cap or sun shield water shredding disk
- Low noise
- Auxiliary terminal box

Electrical

- Special voltage and frequency
- Heaters
- Bimetallic thermal protection (NC, NO),
thermistors (PTC), platinum resistor(PT100)
- Three phase 2 speeds
- Single phase with permanent capacitor
- Single phase with centrifugal switch
- Motors for tropical climates
- Low (-60°C) temperature motors (CUTR)
- Electrical special designs
- Class H insulation
- Anti-condensation heaters

Products certification

Standards Shipping classification Societies

Bureau Veritas	Lloyd Register
Korean Register of Shipping	R.I.Na.
Nippon Kaiji Kyokai	Det Norske Veritas
Germanischer Lloyd	American Bureau of Shipping

Fiduciary Test Room

Cesi
Bureau Veritas
Korean Register of Shipping

Range of motors for hazardous areas



Frequency converter

Series A, Cast iron

- To norms IEC 60079-0, 1, 7
- Ex d, Ex de / Ex-tb, Ex-tc
- ATEX category 2D, 2G, 2GD
- Group IIB, IIC
- Temperature Class T3, T4
- To norm IEC 60079-31
- Zones 1,2 / 21, 22;
- Max surface temperature [°C] T150, T135, T125
- To norms IEC 61241-0, 1
- Protection IP55, IP56, IP65, IP66
- To norms IEC 60034-1, 2, 5, 6, 7, 8, 9, 12, 14, 30, 60072
- Frame size from 63 to 355 (IEC)
- Power from 0.12 to 375 kW
- Three phase 1 or 2 speed
- 400V, 50 Hz
- Pole 2, 4, 6, 8
- Ventilated & with forced ventilation
- Available IE2, IE3
- Available Atex, IECEx



Non Sparking

Series AN, Cast iron

- To norms IEC 60079-0, 15
- Ex nA
- ATEX category 3G
- Group IIB, IIC
- Temperature Class T3
- Protection IP55
- To norms IEC 60034-1, 2, 5, 6, 7, 8, 9, 12, 14, 30, 60072
- Frame size from 63 to 355 (IEC)
- Power from 0.12 to 375 kW
- Three phase 1 or 2 speed
- 400V, 50 Hz
- Pole 2, 4, 6, 8
- Ventilated & with forced ventilation
- Available IE2, IE3
- Available Atex, IECEx



Dust proof

Series AD, Cast iron

- To norms IEC 60079-0
- Ex tb, Ex tc
- ATEX category 2D, 3D
- Group IIIB, IIIC
- To norms IEC 60079-31
- Max surface temperature [°C] T150, T135, T125, T100, T85
- Protection IP55, IP65
- To norms IEC 60034-1, 2, 5, 6, 7, 8, 9, 12, 14, 30, 60072
- Frame size from 63 to 355 (IEC)
- Power from 0.12 to 375 kW
- Three phase 1 or 2 speed
- 400V, 50 Hz
- Pole 2, 4, 6, 8
- Ventilated & with forced ventilation
- Available IE2, IE3
- Available Atex, IECEx

Series AQ, Cast iron (Gas + Dust)

-Ex nA + Ex tb, Ex tc -ATEX category 3G + 2D,3D -Temperature Class T3 -Max surf. temp. T135°C

P T I O N S

Accessories

- Suitable for frequency converter drives
- Forced ventilation (IC416)
- Encoders (100 – 10000 ppr)
- Bearing sensors
- Suitable for AC drives

Brakes

- AC disc brakes
- DC disc brakes
- Brake hand release
- Braking when energized

Engineering services

- Start-up behavior analysis
- Superimposed curve (motor + driven machine)

cemp

Flameproof
Motors

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A Regal Brand

The logo for REGAL, featuring the word "REGAL" in a bold, italicized, sans-serif font, set against a dark grey trapezoidal background.