

Hazardous Areas (IIC)

Low Voltage Motors - Cast Iron Frame

Standard Features:

- Three-phase, multivoltage, IP55, TEFC
- Output: 0.12 up to 500kW
- Frames: 71 up to 400
- Voltage: 380 V, 50Hz or 440 V, 60Hz
- Class "F" insulation ($\Delta T=90K$ or $70K$)
- Continuous duty: S1
- Design N
- Ambient temperature: As per Classification Societies, 1000m.a.s.l
- Flameproof motors Ex d or Ex de (when fitted with increased safety terminal box)
- Temperature Class T4; gases of Group IIC
- According to ATEX Directive 94/9/CE, Group II, category 2 for Zones 1 and 2
- Stainless steel nameplate including Certification data as per ATEX Directive
- Squirrel cage rotor/Aluminium die cast or Copper
- Regreasing nipples from frame 160 and above
- Metric thread cable entries in terminal box
- Thermistors 1 per phase connected into main terminal box
- Suitable for Inverter Duty applications
- Balancing with half key, vibration severity according to IEC 60034.14 grade A
- Color: RAL 5010

Optional Applications:

- Degree of Protection: IP56 or IP65
- Oil seal on D.E. side
- Cooling Method: IC410 (TENV)
- Special Voltages
- Space Heaters
- Winding thermal protection (frame sizes 160 and above):
RTD - Pt100 / Thermocouples
- Auxiliary terminal box (frame sizes 250 and above)
- Design H
- Class H insulation
- Roller bearing for frame size 160 and above
- Double flange/shaft execution IM2202 (frames 355 and 400)
- Special shafts/flanges
- EEx d or EEx de Cable glands
- Forced ventilation unit for VSD application
- Encoder
- Certified purge on frames 250 and above
- Flying leads through closing plate
- Special paint finish
- Detachable feet on frames 71 up to 160
- Insulated bearings on frame 200 and above
- Canopy for vertical mounting
- Special balancing to meet IEC 60034.14 grade B vibration level
- Zone 22 (IP 5X) and Zone 21 (IP 6X) on frames 250 and above

More options available, on request

