

# ELECTRIC MOTOR

## FEATURES

- Durable motor and components
- Low Vibration Design
- Easy to service
- Trouble free performance
- Silent functioning
- Corrosion proof construction

## PROTECTION

All the motors have IP55 degree of protection. The cooling fan is protected by a cover with a degree of protection IP 2x.



## INSULATION

These motors are having Class F insulation. Class F allows a maximum temperature of 155°C at the hot spots in the machine. The impregnation of windings is made with thermo-hardening hot paints made of polyester resins which protect effectively against damp and they have a great resistance to warmth. Motors with Class B and Class H insulation are also available as per request.

## VOLTAGE

Standard motors are wound for delta voltage of 380-415V with frequency of 50Hz or 220-240, 380-460V at 60Hz.

## DESIGN FEATURES

- High efficiency, thus saving energy
- Extended longevity of bearings.
- Non-hygroscopic Class F insulation system
- High power density with increased kW to weight ratio
- Excellent thermal reserve.
- Higher reliability and easy maintainability.
- Higher torque.
- Good aesthetics.

## BUILT TO LAST

Temperature rise	All motors are built to have a maximum winding temperature rise of 80°C under normal operating conditions (ambient temperature 40°C & altitude below 1000 m).
Terminal Box	Terminal boxes on all motors are of a generous size for ease of connecting
Body	The body casting has longitudinal ribs, with integral feet for additional stability
Shaft	All shaft diameters are machined to fine limits
Bearings	All motors are provided with high quality ball bearings, having full contact seals, prepacked with grease, which under normal operating conditions, provide a high degree of operational reliability.
Balance (normal balance)	All motor rotors are dynamically balanced to BS 4999 Part 142