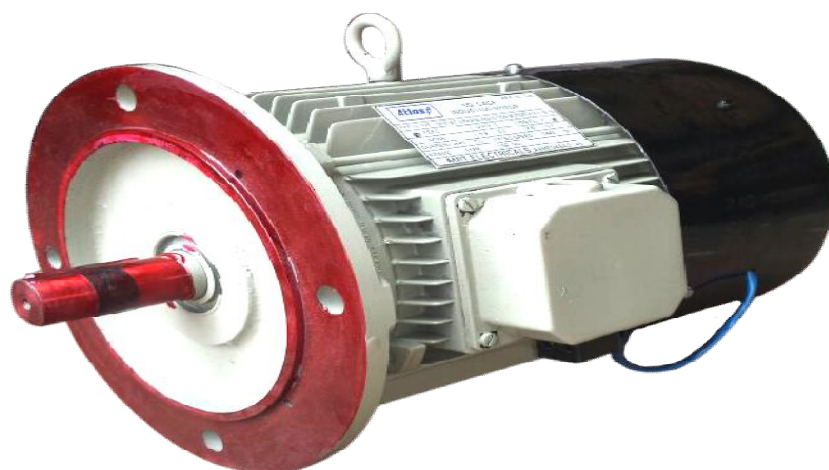




Inverter Duty Motor



Introduction

Amit Electricals manufactures "ATLAS" Make 3 Phase inverter duty motors which are specially winding designed for operations requiring wide speed variation through variable Frequency drives. These motors are generally used when the motor is running for longer duration at speeds below 70% of rated name plate speed.

Inverter duty motors operate at constant torque up to rated design frequency when connected with variable frequency drives.

Range Of Production

0.10 H.p. to 75 H.p. (0.075 K.W. to 22 K.W.) Frame 63 to 180L in 2, 4, 6, 8, 10 & 12 Pole

Mounting Type

- Foot - Flange - Face

Standards

Performance conforms to Is: 325 and dimensions according to IS 1231 & IS 2223

Frame

Motor are supplied in a robust, rugged cast iron frame with integral feet. On Request we can supply motor in aluminum body up to 100 L frame.

Ratings

All Standard Three phase Motors are continuous rated to comply with performance standards.





Inverter Duty Motor

Voltage and Frequency

Supply volts 415 +/- 5% 3 (on customer request we are also able supply motor in 220, 380, 460, 525 volts Also)

Enclosures

Motor IP-44 Protection as defined in IS: 4691. Motors can be supplied with IP-54 and IP-55 on request.

Cooling

Inverter duty motors are fitted with separate cooling arrangement which ensures that the motors perform successfully at lower speeds without over-heating of the motor. This also ensures that the loading capacity of the motor is not reduced in this range.

Insulation

Inverter Duty Motor supply with class F insulation as standard feature. Also supply H on request of customer.

Shaft

Made from high carbon steel to provide exceptional Strength & rigidity to minimize deflection.

Rotor

Rotors are of high-pressure E.C. Grad aluminum die-cast. Every rotor is dynamically balanced. Its make motor low amplitudes of Vibration & noise

Bearings & Lubrication

Bearings are adequately lubricated with lithium based high temp up to 150 deg. All the motors are supplied with C3 ball bearing & fully charged with lithium base grease at the time of assembly.

Earthing Terminals

Motor provided with minimum two earthing terminals. One in the terminal box and other on foot.

Paints

All standard motor are painted with semi glossy synthetic enamel paint. However sp. Paint is available on request.

MANUFACTURING BY

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