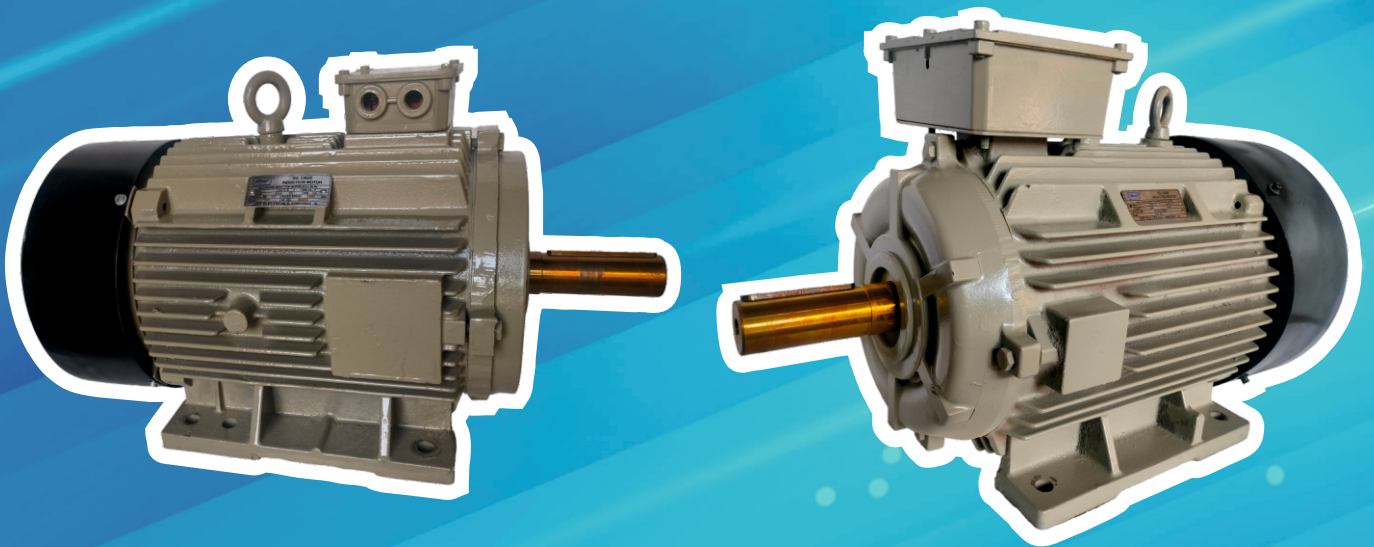




AMIT ELECTRICALS

Inverter Duty Motor



📍 Shed No. 42 & 43, Pushkar Industrial Estate-1, Opp. National Rifles, Vatva, GIDC, PHASE-1, AHMEDABAD - 382445.

☎ +91 98240 03939 / +91 94296 70817 / +91 79903 49553

✉ info@amitelectricals.com 🌐 www.amitelectricals.com

Inverter Duty Motor

AMIT ELECTRICALS manufactures, supplies, and exports inverter duty motors. These motors have specially designed windings for operations requiring wide speed variation through variable frequency drives.

They are typically used when motors run for long durations at speeds below 70% of the rated nameplate speed. Atlas inverter duty motors provide constant torque up to the rated design frequency when connected with variable frequency drives.

Specifications

RANGE OF PRODUCTIONS

- ✓ 0.10 to 75 HP (0.075 to 55 kW)
- ✓ Frame : 63 to 250L
- ✓ Pole : 2, 4, 6, 8, 10, & 12

Mounting Type

- ✓ Foot (B3)
- ✓ Flange (B5)
- ✓ Face (B14)
- ✓ Foot with Flange (B35)
- ✓ Foot with Face (B34)

Standards

- ✓ Inverter duty motor performance conforms to IS: 325 and dimensions according to IS 1231 & IS 2223.

Frame

- ✓ Robust, rugged cast Iron frame with integral feet.
- ✓ On request Aluminum body upto 100 L frame.

Ratings

- ✓ Continuously rated to meet performance standards.

Voltage & Frequency

- ✓ Voltage : $415 \pm 5\%$
- ✓ Frequency : $50 \text{ Hz} \pm 3\%$
- ✓ Also available in various voltages and frequency such as 220, 380, 460, & 525.

Protection

- ✓ Ingress Protection (IP) 44 as defined in IS : 4691.
- ✓ IP-54 and IP-55 on request.

Thermal Overload Protection

- ✓ T.O.P. (Thermal Overload Protector) switch on customer demand.
- ✓ Added safety against overload protection.

Cooling

- ✓ Separate cooling system for reliable performance at low speeds without overheating.
- ✓ This maintains the motor's full loading capacity even at reduced speeds.

Insulation

- ✓ Class "F" insulation as standard feature.
- ✓ Also supply "H" on customer request.

Rotor

- ✓ Rotors are made from high-pressure E.C. grade aluminium die-cast and dynamically balanced.
- ✓ Ensures low vibration amplitude and reduced noise.

Bearing & Lubrication

- ✓ Lubricated with lithium based high temp. upto 150°C .
- ✓ C3 ball bearing & fully charged with lithium base grease.

Terminal Box

- ✓ Terminal box on **Top Position** for foot mounted (B3).
Left or Right Position on demand.

Earthling Terminals

- ✓ Minimum 2 earthing terminals provided.
- ✓ One in the terminal box and other on foot.

Features

- ✓ Optimum performance
- ✓ Properly insulated
- ✓ Durability
- ✓ Low Maintenance cost
- ✓ Energy efficient

