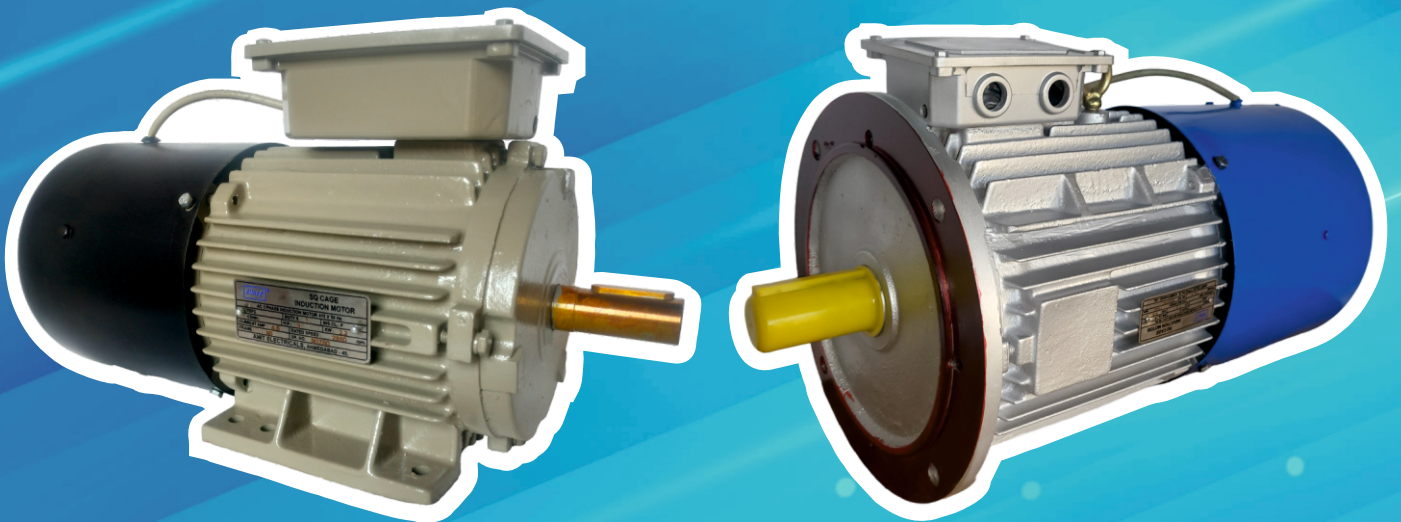




# AMIT ELECTRICALS

## Force Cooled Motor



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# Force Cooled Motor

**AMIT ELECTRICALS** is a leading manufacturer, exporter, and supplier of force-cooled motors, catering to a wide range of industries from food processing and rolling mills to offshore applications. These industries demand robust and reliable motors that can withstand harsh environments while ensuring long-term performance and peace of mind.

We offer a variety of force ventilation unit designs, tailored to meet specific requirements and application fields. Each unit is custom-engineered to suit the unique specifications of our customers' motor designs. During the design phase, we also accommodate additional features such as brakes, encoders, or other special adaptations.

Whether integrated during the production of specialized projects or installed later as an add-on package, our force ventilation units are designed for easy installation. Each unit comes complete with a terminal box and is delivered primed or finished according to your specific requirements.

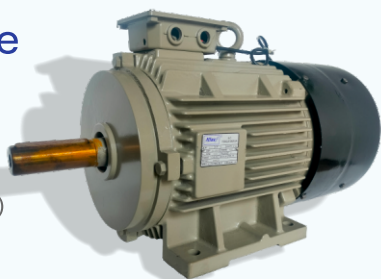
## Specifications

### RANGE OF PRODUCTIONS

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

## Mounting Type

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



## Frame

- ✓ Supplied with a rugged cast iron frame and integral feet.
- ✓ Aluminium pressure die-cast body available on request (up to 100L frame).

## Ratings

- ✓ Continuous (S1) rated to comply with performance standards.

## Voltage and Frequency

- ✓ Voltage & Frequency :  $415 \pm 5\%$ ,  $50 \text{ Hz} \pm 3\%$ .
- ✓ Other voltages such as 220V, 380V, 460V, and 525V on demand.

## Protection

- ✓ Supplied with Ingress Protection (IP-44) protection as per IS: 4691.
- ✓ IP-54 and IP-55 available on request.

## Insulation

- ✓ Supplied with class "F" insulation as standard feature.
- ✓ Class "H" insulation on request.

## Rotor

- ✓ Rotors are high-pressure E.C. grade aluminium die-cast.
- ✓ Dynamically balanced to reduce vibration and noise.

## Shaft

- ✓ Shafts are made from high carbon steel for superior strength and minimal deflection.
- ✓ Rotor has a positive locking joint to withstand high full-load torque.

## Bearings & Lubrication

- ✓ Lubricated with lithium based high temp. upto  $150^{\circ}\text{C}$ .
- ✓ C3 ball bearing & fully charged with lithium base grease.

## Enclosure

- ✓ Supplied with T.E.F.C. enclosure (Totally Enclosed Fan Cooling).

## Thermal Overload Protection

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

## Terminal Box

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

## Earthing terminals

- ✓ Two earthing terminals. (One in terminal box and other in foot.)

## Paints

- ✓ Semi glossy synthetic enamel paint.
- ✓ Special paint is available on request.

## Features

- ✓ Highly efficient
- ✓ Durable
- ✓ Economical price
- ✓ Precision design
- ✓ Long Life

