



AMIT ELECTRICALS

Dual Voltage Motor



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Dual Voltage Motor

AMIT ELECTRICALS is a manufacturer, exporter, and supplier of dual voltage motors in various ratios. These motors are designed to operate on two different voltages while maintaining the performance characteristics specified on the nameplate. As the voltage decreases, the current increases, but the horsepower and RPM remain unchanged.

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)

Ratings

- ✔ Performance as per IS 12615.
- ✔ Dimensions as per IS 1231 & IS 2223.

Voltage & Frequency

- ✔ Ratio 1 : 1.732 & 2 : 1 with 50 / 60 Hz
- ✔ Ratio 1 : 1.732 (48/83, 120/210, 220/380, 240/415, 380/660 & 400/690) with 50 or 60 Hz
- ✔ Ratio 2 : 1 (96/48, 230/115, 440/220) with 50 or 60 Hz

Protection

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

Insulation

- ✔ Class "F" insulation as standard feature.
- ✔ Class "H" insulation on request.

Shaft

- ✔ Shaft made from high-carbon steel for strength and minimal deflection.

Rotor

- ✔ High-pressure E.C. grade aluminium die-cast.
- ✔ Dynamically balanced for low vibration and noise.

Bearing & Lubrication

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

Enclosure

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

Thermal Overload Protection

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

Earthing Terminals

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

Paints

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

Application

- ✔ Dual voltage design makes the motor suitable for global use.
- ✔ Helping machine manufacturers cater to export markets.

Features

- ✔ High performance & efficiency
- ✔ Long lifespan
- ✔ Strong torque & overload tolerance
- ✔ Stable operation, low noise, wear-resistant
- ✔ Widely applicable

Other Dual Voltage Products

- ⚡ DUAL VOLTAGE TWO SPEED MOTOR
- ⚡ DUAL VOLTAGE COOLING TOWER MOTOR
- ⚡ DUAL VOLTAGE VIBRATING MOTOR
- ⚡ DUAL VOLTAGE CRANE DUTY MOTOR
- ⚡ DUAL VOLTAGE TORQUE MOTOR

