



CMG - MTC SINGLE PHASE METRIC FRAME MOTORS

CMG's MTC series are an ideal general purpose single phase cap start-cap run.

Motor design

The motors are low weight cast aluminum and boast options which are unequalled by any other range of small frame electric motor on the market today.

Multi-mount feature

The standard MT motor is supplied with the terminal box top mounted, and has detachable feet. The unique multi-mount design allows the motor feet to be removed and the motor mounted from any of the eight mounting pads. This feature means that for axial flow fans there is no need for a motor mount in the fan case, which enables quicker assembly times, lower cost, and fewer restrictions to air flow.

Standards and specifications

The main dimensions and rated outputs of the MT series generally conform to Australian Standard AS/NZS1359 (CENELEC kW-frame size allocation table) and International Standards IEC 60034 and IEC 60072.

Operating parameters

- Standard MT series motors are designed with the following parameters:
- Continuous duty (S1).
- Single phase: 220-240 Volt 50Hz power supply.
- Ambient temperatures up to 40°C.
- Installation at altitudes up to 1000 metres.

Performance data is based on these parameters and may need adjustment for different conditions.

F class insulation, B class temperature rise

MT motors have F class insulation and B class temperature rise, ensuring cool running of the motor.

Degree of protection

Level of enclosure protection for the MT series is IP55 (increased IP ratings available). Shafts are fitted with an oil seal as standard.

Air movement application

Low weight design and the standard drilled and tapped hole in the shaft makes the MT series ideally suited for all air movement applications.

Gearbox fitment

The MT series small frame and unpainted design makes it ideal for fitting to smaller aluminum gearboxes.

Finish

Standard surface finish is unpainted clean sandblasted aluminum.

Bearings

Bearings fitted are deep groove ball type and are the same size both ends.

Top mounted terminal box

The standard position of the terminal box is on top of the motor, allowing for ease of connection to supply. The terminal box is separate from the body of the motor allowing it to be rotated for additional convenience when connecting to supply.

Motor Frame	Bearing Size
56	6201-2RS
63	6201-2RS
71	6202-2RS
80	6204-2RS
90	6205-2RS
100	6206-2RS
112	6206-2RS