

HGA SERIES GENERAL PURPOSE THREE PHASE MOTOR BUILT IN ALL CAST IRON FRAME

Efficiency

HGA motor efficiency levels comply to the Minimum Efficiency Requirements as per AS/NZS 1359.5:2004 (equivalent to European Standard Eff 1).

Standards and Specifications

The main dimensions and rated outputs of the HGA series generally conform to International Standards IEC 60034 and IEC 60072, and Australian Standard AS1359.

Operating Parameters

Standard HGA series motors are designed with the following parameters:

- Continuous duty (S1).
- Three phase 380-420V, 50Hz power supply (upto 3kW: 230V Delta/400V Star, 4kW & above: 400V Delta/690V Star).
- 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 requirements.

F class insulation, B class temperature rise

HGA 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 HGA series is IP55 (increased IP ratings available).

Bearings

Frames 80-180 have deep groove ball type bearings with double seals and are the same size both ends. Larger frames have open type bearing allowing for re-greasing.

Terminal Box

The standard position of the terminal box for the HGA series is on RHS of the motor looking from the drive end. Motors with top mount terminal boxes may be available on request.



Motor Frame	Bearing Size
80	6204-2RS
90	6205-2RS
100	6206-2RS
112	6306-2RS
132	6308-2RS
160	6309-2RS
200	6312
225	6313
250	6314