CMG SLA/HLA THREE PHASE METRIC FRAME MOTORS

The SLA/HLA series are an ideal general purpose three phase motor built in all aluminum frame.

Multi-mount feature
The standard SLA/HLA 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. Alternatively, the MTS & MTT series both allow the feet to be relocated to either side, for a wall mounted motor or side mounted terminal box.

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

Operating parameters
Standard SLA/HLA series motors are designed with the following parameters:

- Continuous duty (S1).
- Three phase 380-420V, 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 requirements.

Motor Frame	Bearing Size
56	6201-2RS
63	6201-2RS
71	6202-2RS
80	6204-2RS
90S/L	6205-2RS
100	6206-2RS
112M	6206-2RS
132S/M	6208-2RS
160M/L	6309-2RS

F class insulation, B class temperature rise
SLA/HLA 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 SLA/HLA series is IP55 (increased IP ratings available).
Shafts are fitted with an oil seal as standard.

Pump application
A locked drive end bearing is standard on all SLA/HLA flange mounted motors from 90 to 160 frame. This makes it perfect for pump applications where minimal axial shaft movement is critical to provide tight tolerances for impellers. On request CMG can provide a locked bearing option for smaller frame sizes and foot mounted motors.

Air movement application
Low weight design and the standard drilled and tapped hole in the shaft makes the SLA/HLA series ideally suited for all air movement applications.

Efficiency
SLA motors exceed requirements of European Eff2.
HLA motor efficiency levels comply to the Minimum Efficiency Requirements as per AS/NZS 1359.5:2006 (equivalent to European standard Eff 1).

Bearings
Bearings fitted are deep groove ball type with double seals 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.

Internal connections, voltages and VF drive selection
Standard terminal connections for motors 3kW and below is 240V Delta / 415V Star. These motors are suitable for operation with 240V three phase Variable Frequency Drives or 415V DOL starting.

Standard terminal connections for motors 4kW and above is 415V Delta / 720V Star. These motors are suitable for operation with 415V three phase Variable Frequency Drives, 415V Star/Delta or 415V DOL starting.