

P400-M Integrated Drive



The **P400-M** Integrated Drive offers a simple and cost effective solution to variable speed AC motor control up to 400 W.

Mounting the inverter directly on the motor simplifies wiring and produces a compact and rugged IP rated package. Also the absence of long motor cables decreases radiated EMC.

The advanced Power Factor Correction circuit and integral EMC filter reduce RMS input current, minimise pollution of the mains supply and increase overall efficiency.

The inverter is set-up with a hand held programmer where parameters can be stored, altered and then downloaded to the drive. Alternatively settings can be pre-installed at the factory prior to delivery.

- Inverter fitted inside rugged motor mounted aluminium enclosure.
- Protection to IP55 as standard, higher ratings available.
- Mains input EMC filter included.
- Maximum output frequency adjustable up to 150 Hz.
- Input power factor > 0.9.
- Thermal cut-outs fitted to both motor and inverter.
- Control inputs electrically isolated from power circuit.
- Standard control inputs: speed, direction and thermal cut-out.
- Speed control by potentiometer or external 0-5 V signal, 0-10 V available.
- Potentiometer mounted on enclosure or via remote cable.
- Over temperature alarm output.
- Direction input and alarm output programmable for other functions.
- Connects to standard 230V single phase supply.
- 110V version available.

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Inverter Technical Data :	
Output Power	400 W
Overload	150% for 30 secs
Output current	2.4 A max
Output voltage	230 V 3 phase
Output frequency range	1 - 250 Hz
Input voltage	190 - 255 V ac single phase
Input current	2.6 A at 400 W output
Input frequency	48 - 62 Hz
Input power factor	> 0.9
Efficiency	Typically > 96 %
Switching frequency	8 kHz
Protection	IP 55
Ambient operating temperature	-10 to 40 °C
Vibration	+/- 1 g max

