

# Variable Speed Integrated AC Inverter type: **P400-M**

- Inverter fitted inside motor mounted enclosure
- Protection to IP55
- Supplied with 2 or 4 pole 3-phase motors
- Input power factor > 0.9
- Speed Potentiometer mounted on enclosure
- Speed control by potentiometer or external signal
- Inputs for Speed, Direction and Run/Stop
- Motor protected by Thermal Switch
- Over temperature alarm output
- Connects to standard 230V single phase supply
- 110V version available



The **P400-M** offers a 3-phase Induction Motor and a Variable Speed Inverter as a single unit. The result is a simple and cost effective solution to AC motor control up to 400 W.

Mounting the inverter directly on the motor simplifies wiring and produces a compact

and rugged package, and the absence of long motor cables improves EMC performance.

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

The inverter settings can be pre-installed at the factory prior to delivery.

<b>Technical Data :</b>	
Output Power (continuous)	400W max
Overload	150% for 30 secs
Output current	2.4A
Output voltage	230V 3-phase
Output frequency	3 - 250 Hz
Input voltage	190 - 255 Vac single phase
Input current	2.6 A at 400W output
Input power factor	> 0.9
Efficiency	Typically > 96 %
Switching frequency	8 kHz
Protection	IP 55
Ambient operating temperature	-10 to 40 °C

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