

MV4208 3-PHASE AC/PM MOTOR DRIVE



Supply voltage	3x400 VAC/ (50/60) Hz.
Fuse	3x10A/ 250 VAC, Slow blow, Cartridge fuse, Ceramic 5x20 mm
Mains control	Front panel ON/OFF switch
Rated current	6.5A
Rated Output Capacity	4.8 kVA
Rated Output Current	6.0 A
Applicable Motor Output	2.2 kW, 3 HP
Overload Capacity	150% of rated output current: 1 minute for every 5 minutes. 180% of rated output current 3 seconds for every 30 seconds.
Dimensions (w x h x d)	512 x 560 x 280 mm.
Weight	Approx. 23 kg

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SPECIFICATION

- The speed of the motor can be controlled from
 - * Keypad / Comp. Delta VFD.
 - * Internal Potentiometer
 - * External potentiometer
 - * External 0(4)-20 mA current source.
- Three BNC outputs for easy connection to an oscilloscope of the resolver signals.
- The output terminals are controlled and activated by the VFD when it receives an enable signal, the open status of the contactor is indicated by a signal lamp.
- Two analogue outputs are available to the user for miscellaneous functions.
- Configuration and control possibilities from a PC with the VFD Explorer Lite software.
- Possibility to control run/stop, forward/reverse and enable signals from external PLC.
- Outputs for external braking resistor.
- Normally open Input for external trip signal.



This unit is intended to be used for training in an electrical machines laboratory. The 3-phase AC/PM Motor Drive is a VFD (Variable Frequency Drive) optimized to be used together with Terco's 3-phase Permanent Magnet Motor MV1022 with a resolver feedback

The VFD is equipped with a resolver feedback option card by default. It is possible to reconfigure the device for use with other types of motors, for instance an induction motor. The default configuration is for the 3-phase PM Motor.