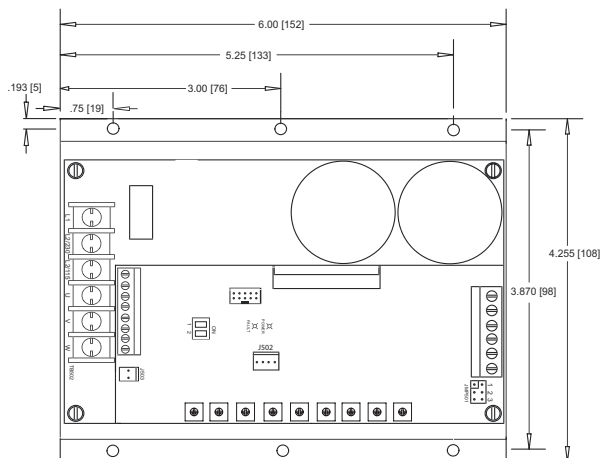


Drive	Input Voltage (VAC)	Output Voltage Range (VAC)	Max. Armature Current	HP Rating @ 115 VAC Output	HP Rating @ 230 VAC Output	Enclosure	Reversing	Isolation	UL Listed cUL US LISTED	CSA CSA	CE TUV CE TUV
MDVF03-D230-PCM	115 230	0-115 / 0-230 0-230	3	1/10 - 1/4	1/6 - 1/2	CHASSIS	YES	0-5 or 0-10 VDC 4-20 mA	-	-	-
MDVF05-D230-PCM	115 230	0-115 / 0-230 0-230	5	1/8 - 1/2	1/4 - 1	CHASSIS	YES	0-5 or 0-10 VDC 4-20 mA	-	-	-

MDVF03-D230-PCM DIMENSIONS



Height: 2.25 [58]

All dimensions in inches [millimeters]

Dimensions of drives not shown above can be found on page 60.
Wiring diagrams can be found on page 71.

FEATURES

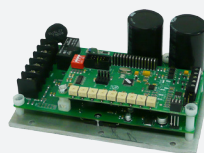
- **Microprocessor based:** Allows custom programming for OEMs.
- **Isolated inputs:** Accepts floating or grounded signals 0-10 VDC, 0-5 VDC or 4-20 mA.
- **Doubler mode:** Enables the use of a 230 VAC single or three phase motor with a 115 VAC single-phase supply.
- **Control a variety of motors:** 3-phase induction motors, single-phase permanent split capacitor (PSC), shaded pole and synchronous motors.
- **Diagnostic LED:** LED for power and status (undervoltage, overvoltage, short circuit / current trip, heat warning / trip).
- **Thermally protects:** Drive recognizes when overheated as a result of frequent overload. It first flashes a warning code on the status LED and will eventually trip if the condition persists.
- **Stopping modes:** DC injection braking or coast to stop.
- **RoHS:** All MDVF series models are RoHS compliant.

The MDVF series is Minarik Drives' response to the growing demand for custom drives specific to an OEM's application. We've designed a microprocessor-based regenerative PWM platform that will run brushed, brushless and AC motors. The MDVF series is the AC version of this platform, with the MDPM and MDBL as the compliments.

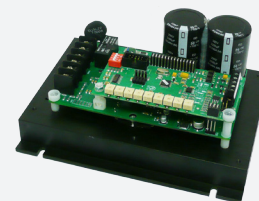
The benefit of a single platform is that it allows for quick customization with most of the changes occurring in the microprocessor's programming. With circuit boards and components being utilized across multiple platforms, the economies of scale allow us to pass the savings on to you.

The MDVF combines all of the advantages of our other AC drives into one package. Taking the size of the VFD05-D230-PCM model, combined with the ability to run in three different power configurations available with the VFD series (115 in - 115 out, 230 in - 230 out, 115 in - 230 out), and the versatility of the added microprocessor like the UPVFD series.

See page 54 for an in-depth comparison of the different AC drives.



MDVF03-D230-PCM



MDVF05-D230-PCM