

SED2 VFD EMC Filter Package Option



Description

The EMC Filter package reduces radiated emissions and conducted emissions when installed with the SED2 VFD E-Bypass.

Product Numbers

Kit 994-975: For Bypass Frame Sizes A and B.

994-966	4-Ferrite beads – small
994-971	Power line filter – 45 amp
994-973	Enclosure
994-979	Wire – 12-gauge 75C, MTW

Kit 994-976: For Bypass Frame Size C.

996-966	4-Ferrite beads – small
994-971	Power line filter – 45 amp
994-973	Enclosure
994-980	Wire – 10-gauge 150C, MTW

Kit 994-977: For Bypass Frame Sizes D and E.

994-967	4-Ferrite beads – large
994-972	Power line filter – 180 amp
994-974	Enclosure
994-981	Wire – 8-gauge, 200C, SRML

Kit 994-978: For Bypass Frame Size F.

994-972	Power line filter – 180 amp
994-974	Enclosure
994-982	Mounting Bracket

NOTE: Frame Size F does not require Ferrite beads or wire.

Wiring Diagram

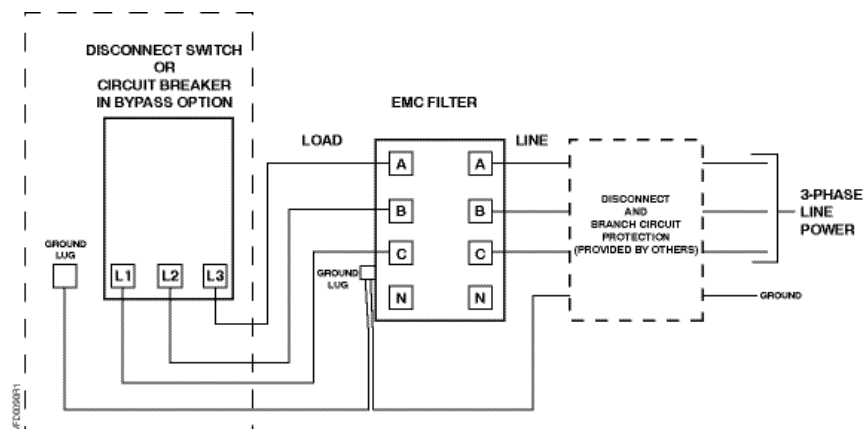


Figure 2. EMC Filter Terminal Connections.

NOTE: The SED2 VFD E-Bypass installed with an EMC Filter package has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against such interference when operated in a commercial environment.

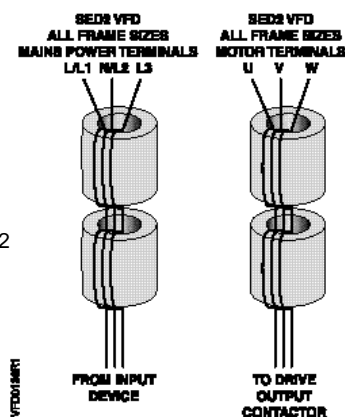


Figure 1. Location of Ferrite Beads in Bypass Frame Sizes A through E for E-Bypass Options.



WARNING:

If the EMC filter package is not properly installed with the E-Bypass, the E-Bypass may generate, use, and radiate radio frequency energy.



CAUTION:

Only personnel certified to work with high voltage 3-phase line power are to complete wiring.

Dimensions

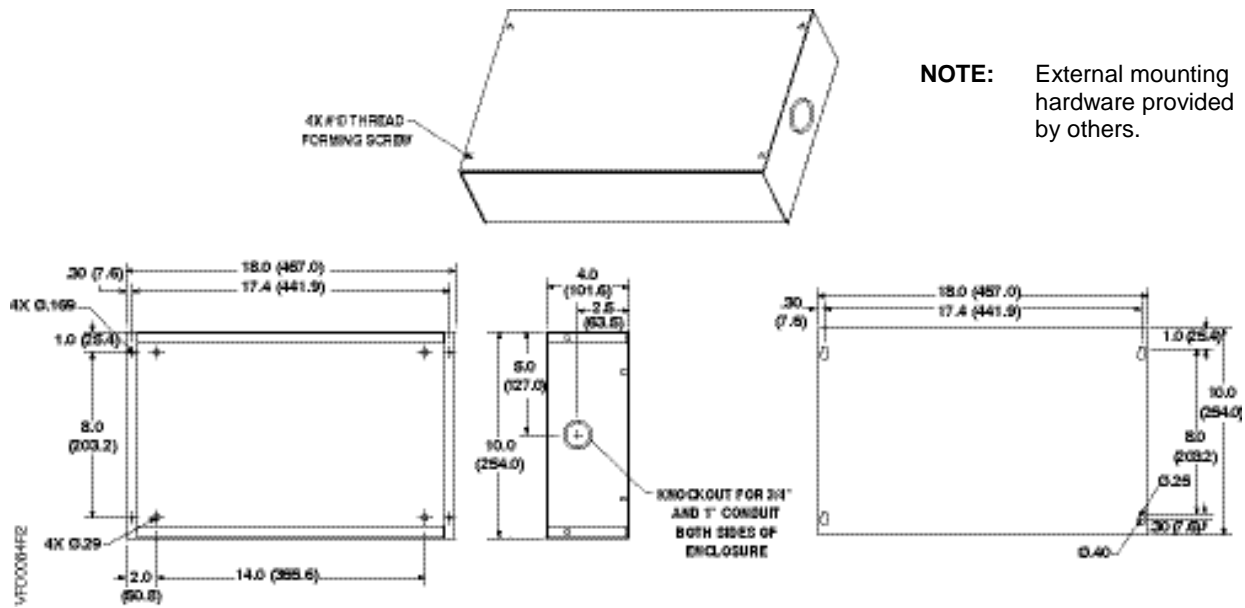


Figure 3. Filter Dimensions for Bypass Frame Sizes A, B, and C. Dimensions in Inches (millimeters).

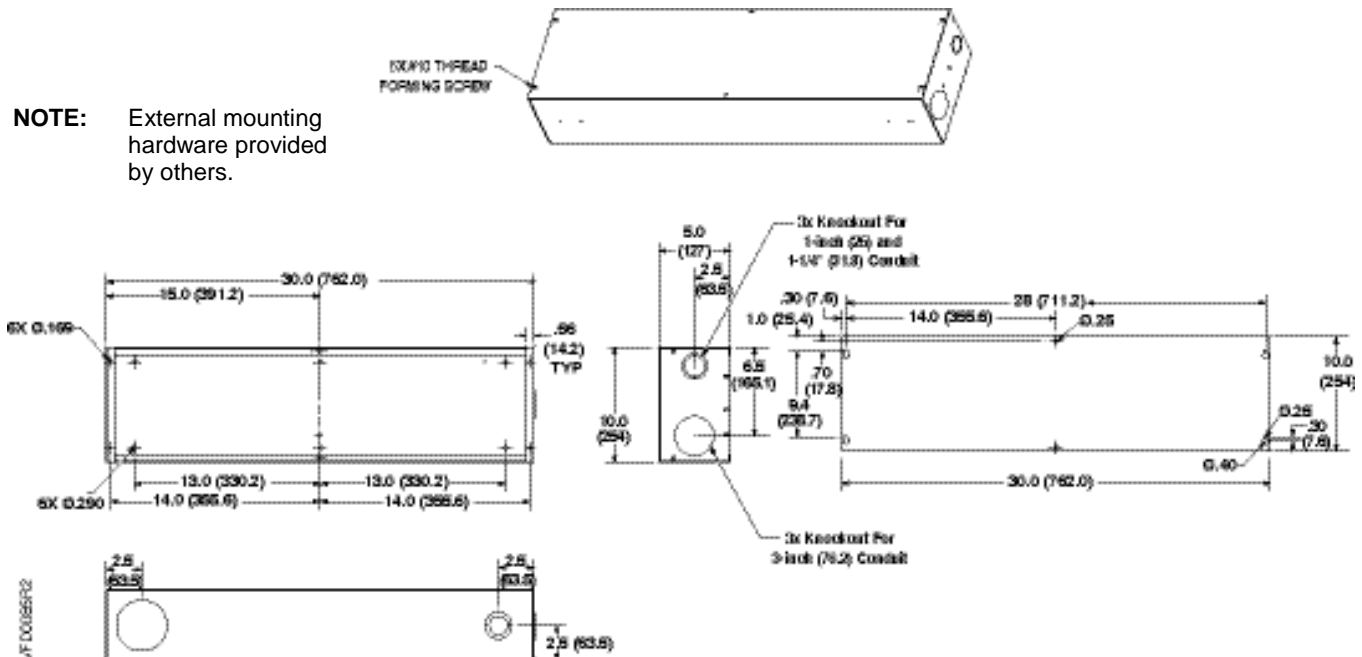


Figure 4. Filter Dimensions for Bypass Frame Sizes D, E, and F. Dimensions in Inches (millimeters).

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