

Bulletin 1336 PLUS, 1336 IMPACT, and 1336 FORCE™

NEMA Type 4/12 Gasket Kit Installation & Drive Mounting

(Catalog Number	1336-RF2	1336S-RF3
	1336-RF4	1336-RF5
	1336-RF6	1336-RF7)

What This Option Provides

The NEMA Type 4/12 Gasket Kit provides the information you need to mount a Bulletin 1336 PLUS, 1336 IMPACT, or 1336 FORCE drive in an enclosure with the heatsink extended outside the enclosure. With the heatsink exposed to the ambient air, most of the heat loss is dissipated into the ambient air instead of into the enclosure.

The NEMA Type 4/12 Gasket Kit provides the following:

- The materials to mount the drive, the gasket to the cabinet, and the self tapping screws needed to mount the drive.
- The information needed to lay out the cut out area and drill the required mounting holes.

Important: You must use screws that have had a thread sealant applied to prevent water leakage. Self-tapping screws and the appropriate drilling pattern are provided. If you choose to use threaded screws, you must make sure that a thread sealant has been applied to the screws and follow the provided tapping pattern when drilling the holes.

Where These Kits Are Used

You can use the Gasket Kits in the following ranges:

Catalog Number	Range	Frame Designation
RF2	BRF75 BRF100 CWF10 – CWF50	A4
RF3 ^①	AQF05 – AQF50 BRF05 – BRF50	A1, A2, A3
RF4	A007 – A015 B007 – B030 C007 – C020	B
RF5	A020 – A030 BX040 – BX060 C025 – C060	C
RF6	A040 – A060 B060 – BX150 C075 – CC125	D
RF7	A075 – A100 B150 – B250 C150 – C250	E

① Requires a Series B drive for NEMA Type 4 installations.

What These Kits Contain

Each Gasket Kit contains a NEMA Type 4/12 permanent adhesive backed gasket.

The self-tapping screws with a thread sealant applied to prevent water damage have been provided. These screws are sufficient for mounting the drive in an enclosure with a minimum thickness of 12 gauge—2.67mm (0.1025in).

When properly installed, each Gasket Kit is designed to meet either NEMA Type 4 (IP65) standards or NEMA Type 12 (IP54) standards. You must observe the general installation requirements that are provided in the installation section of your Bulletin 1336 PLUS, 1336 IMPACT, or 1336 FORCE Hardware User Manual.



ATTENTION: Electric shock can cause injury or death. Disconnect all power before working on this product.



ATTENTION: Hazard of injury exists if you are installing the Gasket Kit on a D or E frame. Refer to the lifting instructions that were included with this kit.



ATTENTION: Drive heatsink surface temperature may be at or near 100°C. To avoid burns, do not contact with the drive heatsink.

Before Installing the Gasket Kit

The Bulletin 1336 PLUS, 1336 IMPACT, or 1336 FORCE Hardware User Manual provides general installation requirements and connection procedures. In addition to those procedures, you should note the following before installing the Gasket Kit:

- When locating the drive, allow a minimum clearance from other components of 101.6mm (4.0in) on the top and bottom, and 50.8mm (2.0in) on either side.
- With the heatsink exposed to the ambient air, the drive dissipates heat as listed under User/Customer Supplied Enclosures. Refer to the Drive User Manual, Appendix – Specifications/General.
- When mounting the drive, ensure that the heatsink fins are vertical.
- Refer to your 1336 PLUS, 1336 IMPACT, or 1336 FORCE User Manual for internal heat dissipation data.
- For all ratings, you must verify that the selected enclosure dissipates the total BTUs generated within the enclosure without letting the internal ambient rise above 50° C. Enclosure mounting must let the heatsink extend outside the enclosure.
- Refer to Figures 1.1 through 1.6 for information on heatsink protrusion, cutout, and drilling plans.

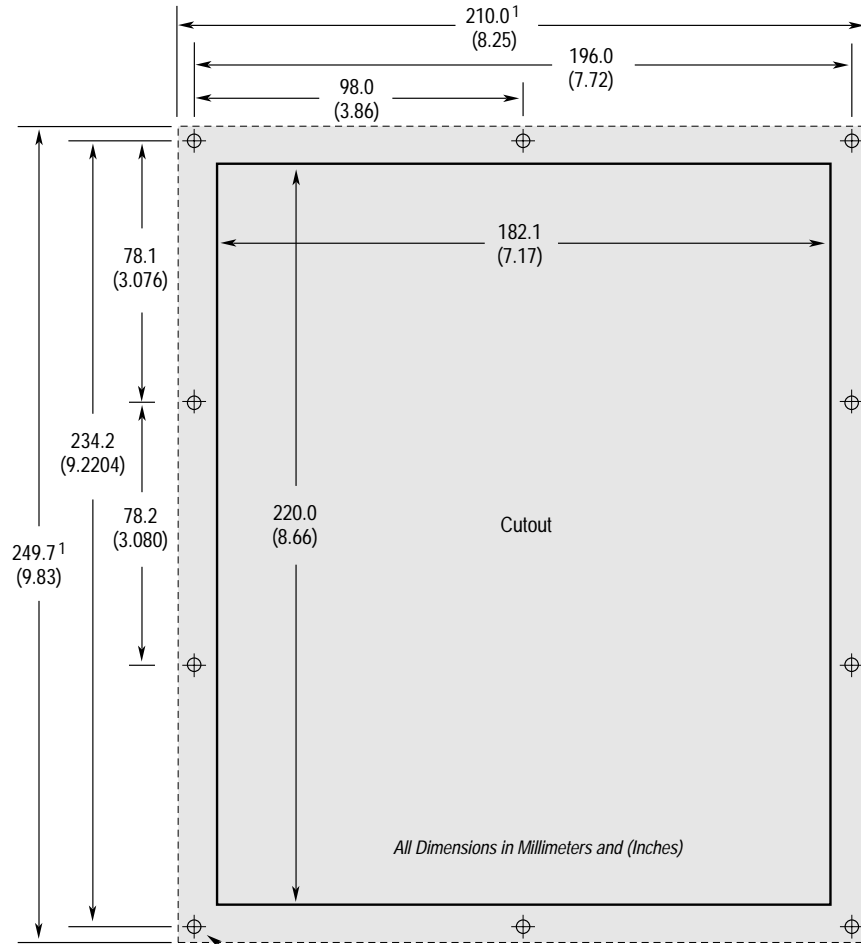
Installing the Drive Using the Gasket Kit

To install the gasket, follow these steps:

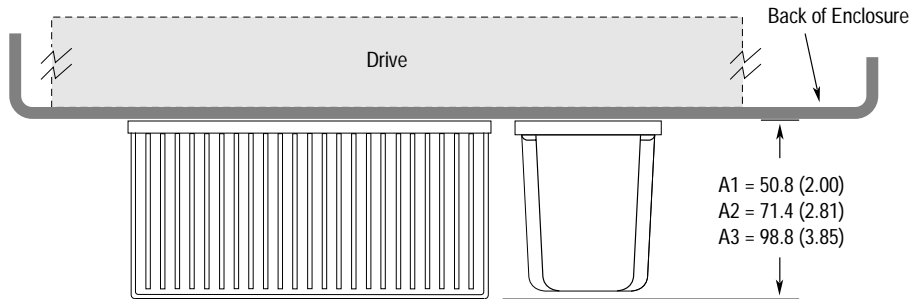
1. Cut out the heatsink area.
2. Drill the mounting holes. Before drilling the mounting holes you should make sure that they follow the appropriate drilling pattern (Figures 1.1 to 1.6) and carefully read the Important on the first page of this instruction sheet.
3. Clean and file the surface area to remove any burrs or sharp edges.
4. Use paint to touch up all raw metal edges.
5. Place the gasket, with the gasket paper still intact, around the cutout area on the inside of the enclosure and align the mounting holes. The gasket holes are not equally spaced.
6. Peel away the gasket paper.
7. Firmly press the gasket in place with the adhesive towards the chassis surface aligning mounting holes.
8. Remove the cover, mounting feet, and four side plates from the drive.
9. Install the drive in the enclosure using the recommended mounting screws. You should insert the screws through the drive chassis to the outside of the enclosure.
10. Torque all mounting screws to the value shown in the table below.

Rating	Number of Screws	Torque N*m (in-lbs)
RF2	14	2.9 (26)
RF3	10	2.9 (26)
RF4	8	2.9 (26)
RF5	12	2.9 (26)
RF6	16	2.9 (26)
RF7	26	2.9 (26)

Figure 1.1
Heat Sink Through-the-Back Mounting – Frames A1, A2, A3

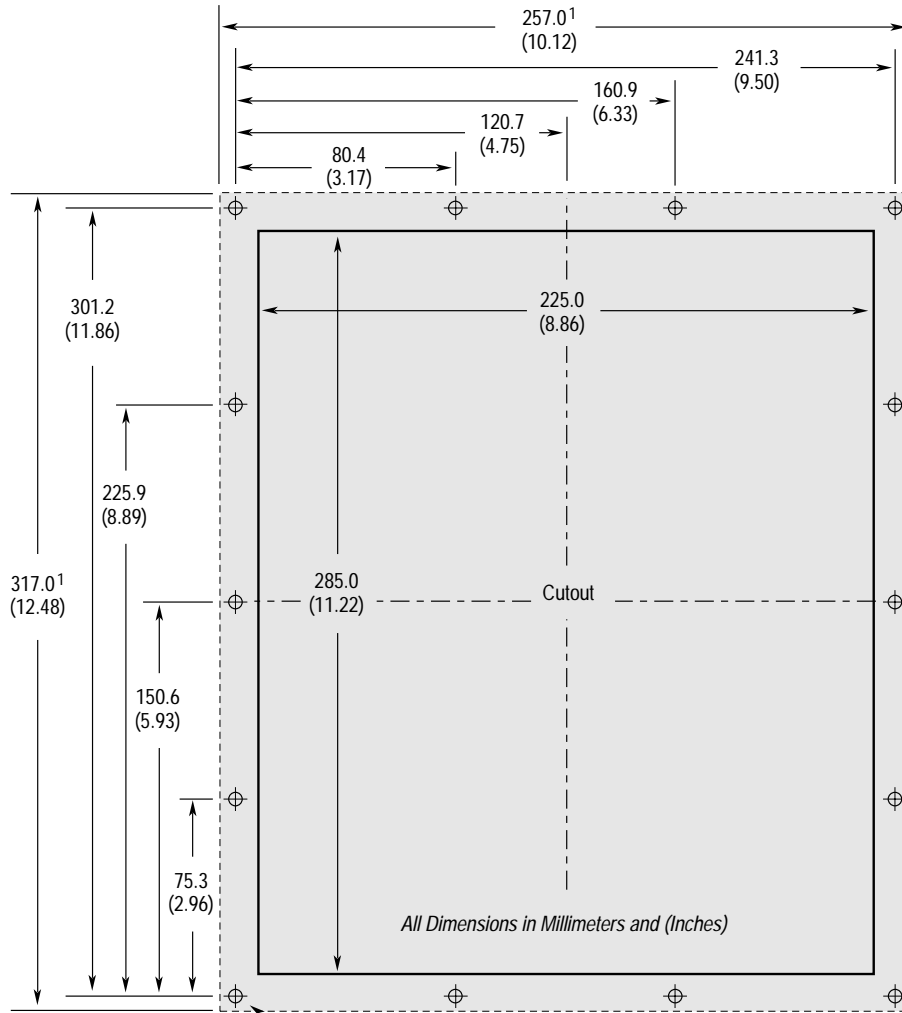


10 Required
4.3 (0.171) Dia. for 10-32 x 12.7 (0.5) Self-Tap – 4.0 (0.159) for 10-32 x 12.7 (0.5) Threaded
Customer-supplied hardware should have thread sealant applied before installation.

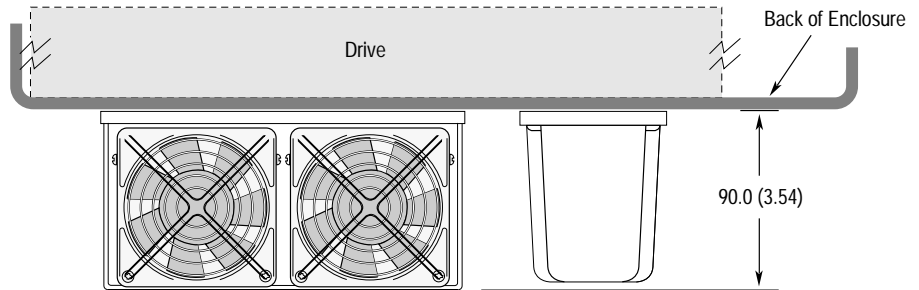


¹ Shading indicates **approximate** size of drive inside enclosure.

Figure 1.2
Heat Sink Through-the-Back Mounting – Frames A4

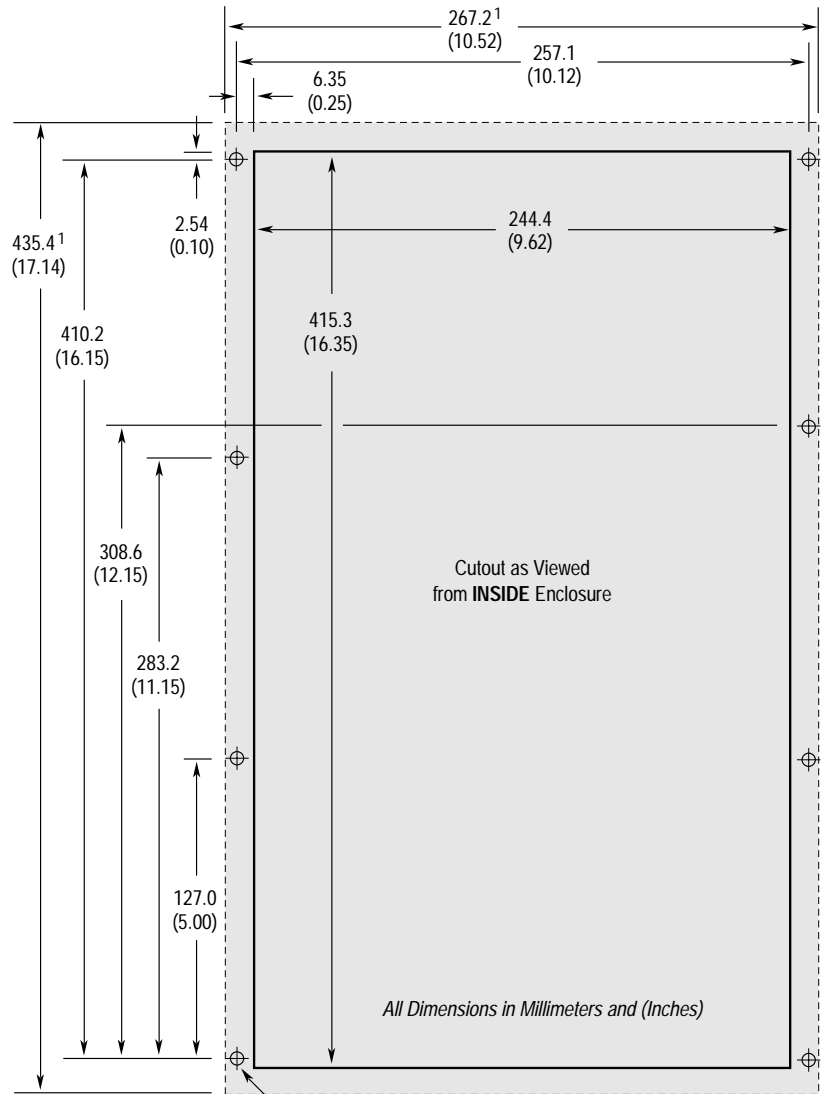


14 Required
4.3 (0.171) Dia. for 10-32 x 12.7 (0.5) Self-Tap – 4.0 (0.159) for 10-32 x 12.7 (0.5) Threaded
Customer-supplied hardware should have thread sealant applied before installation.

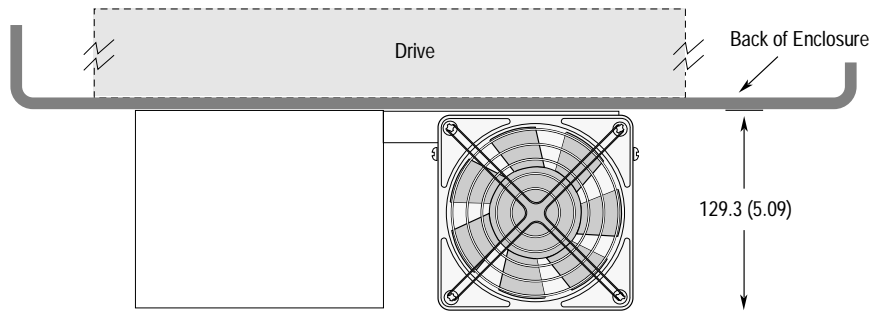


¹ Shading indicates **approximate** size of drive inside enclosure.

Figure 1.3
Heat Sink Through-the-Back Mounting – Frame B



8 Required
4.3 (0.171) Dia. for 10-32 x 12.7 (0.5) Self-Tap – 4.0 (0.159) for 10-32 x 12.7 (0.5) Threaded
Customer-supplied hardware should have thread sealant applied before installation.



¹ Shading indicates approximate size of drive inside enclosure.

Figure 1.4
Heat Sink Through-the-Back Mounting – Frame C

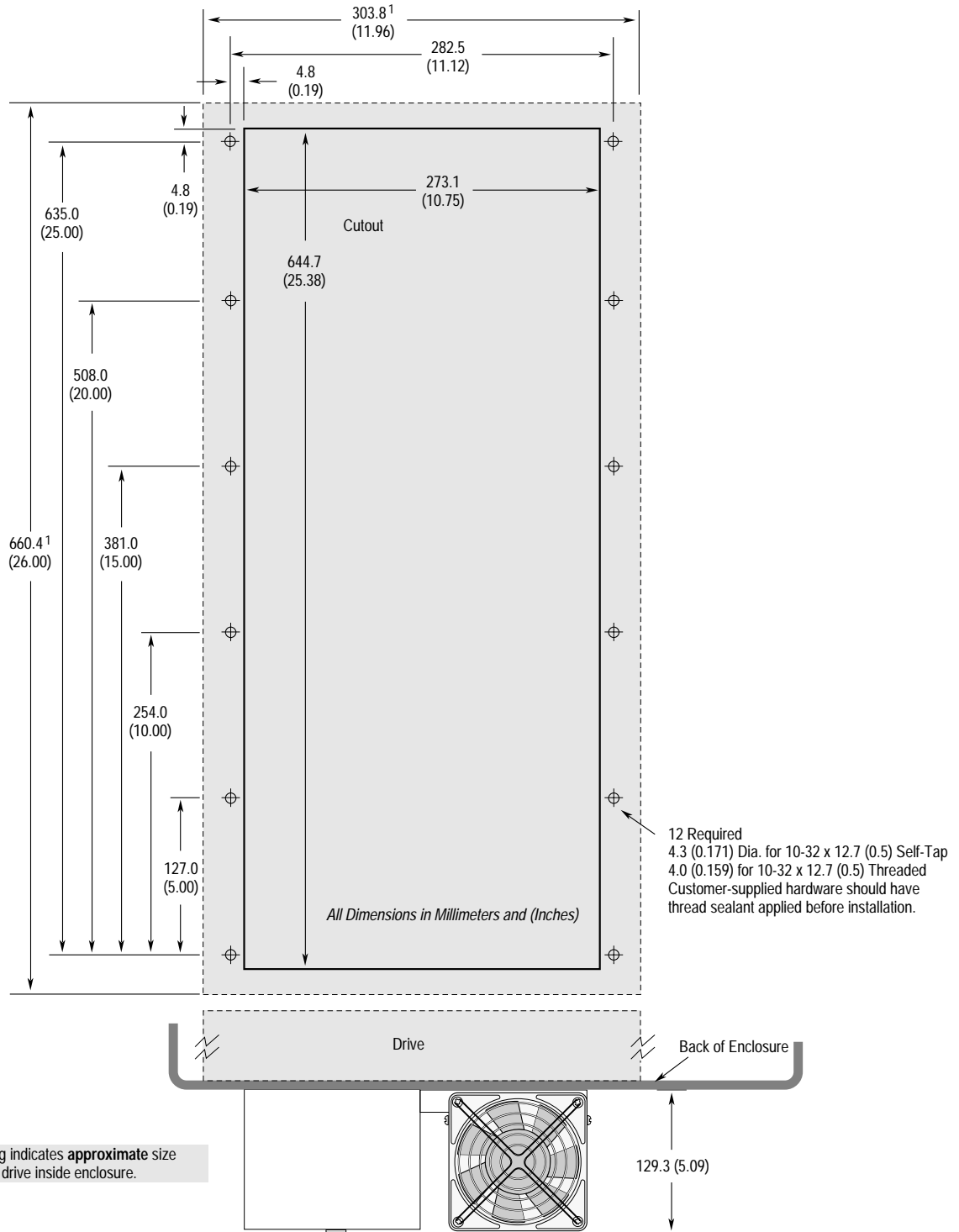


Figure 1.5
Heat Sink Through-the-Back Mounting – Frame D

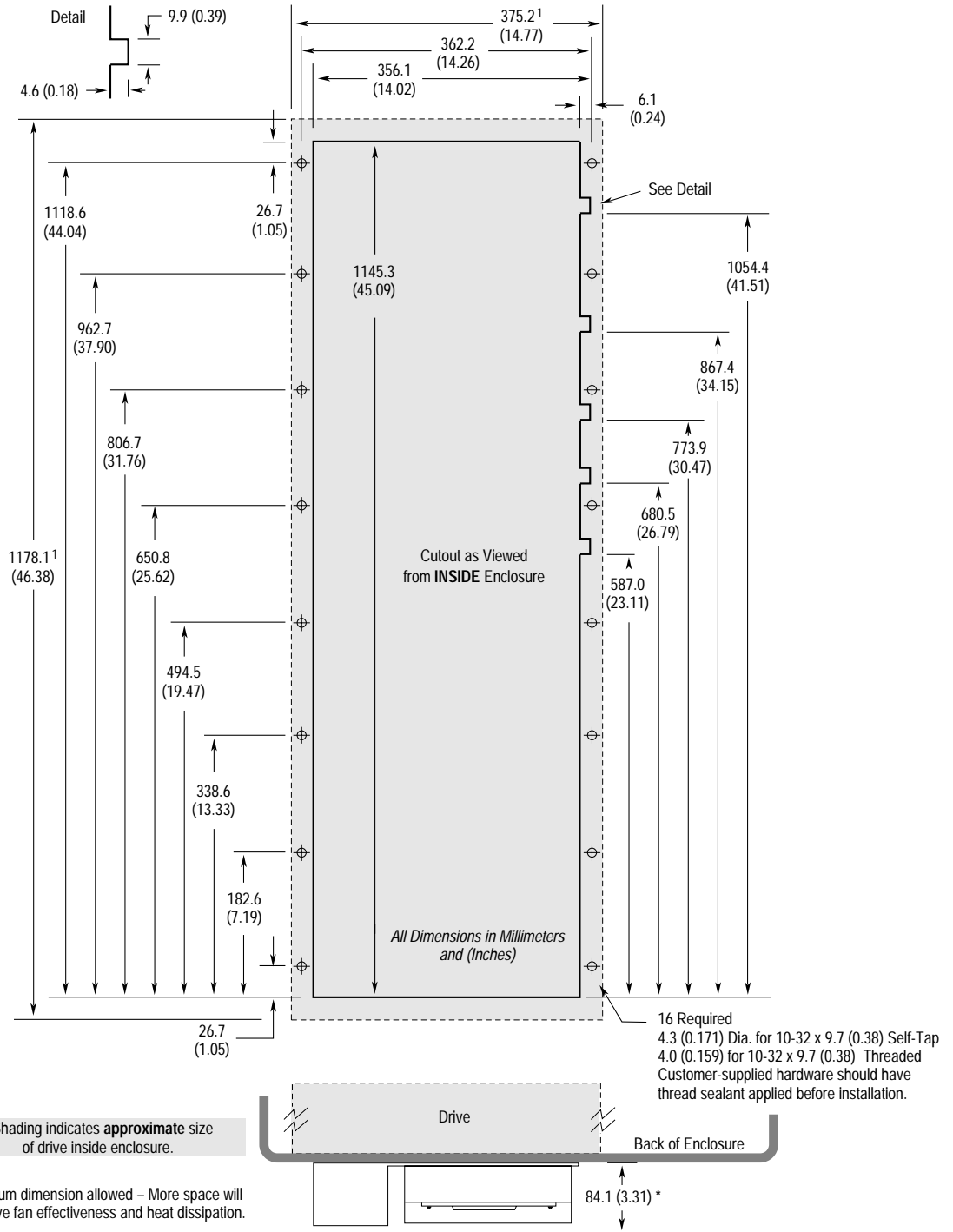
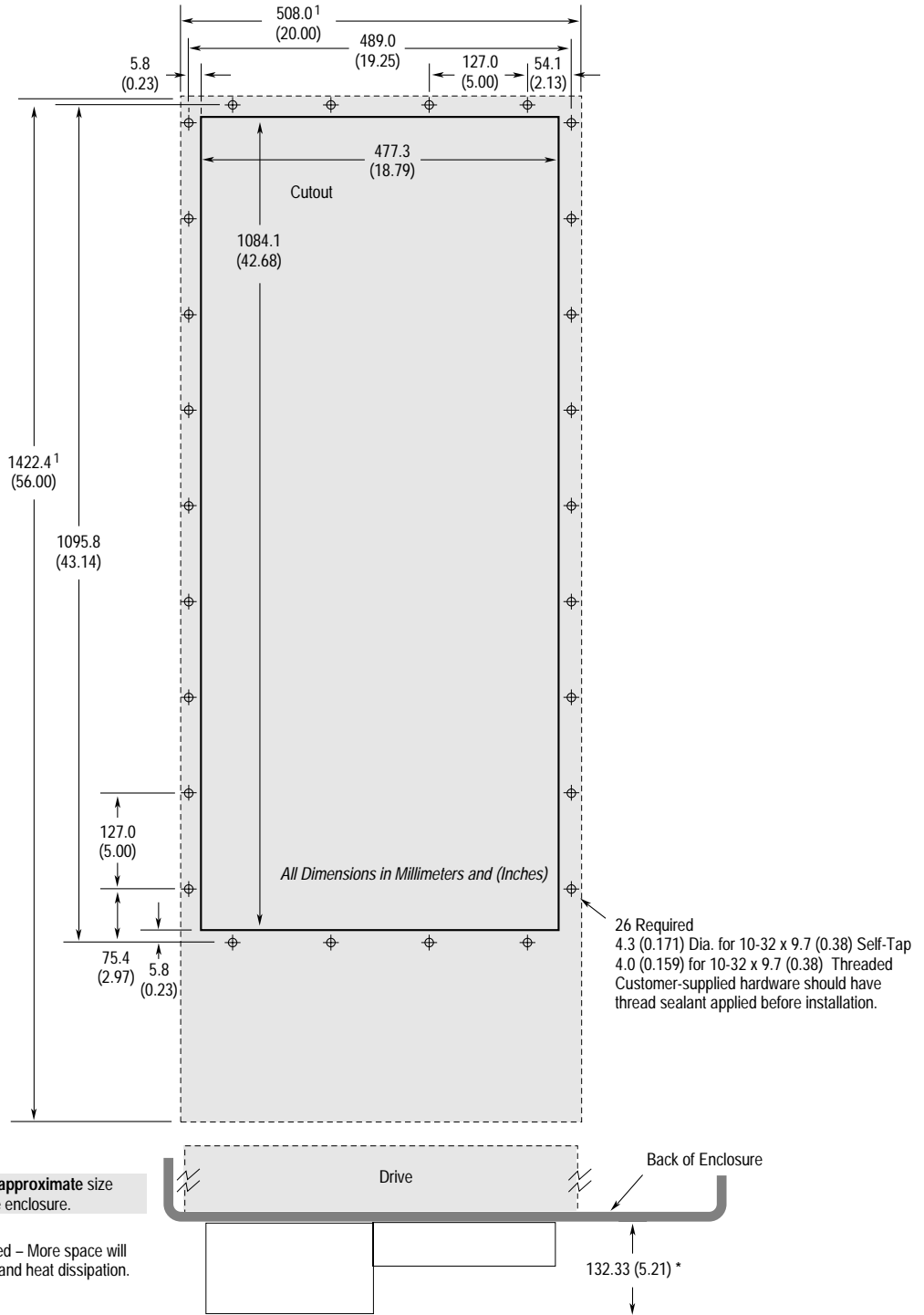


Figure 1.6
Heat Sink Through-the-Back Mounting – Frame E



Notes



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Allen-Bradley Headquarters, 1201 South Second Street, Milwaukee, WI 53204 USA, Tel: (1) 414 382-2000 Fax: (1) 414 382-4444