

NEMA Type 1 Kit
Models 2CK4100, 2CK4125 and 2CK4200
For Use with Model 75V40XX, 100V40XX, 125V40XX,
150V40XX and 200V40XX GV3000/SE Drive

Instruction Manual D2-3450-1



ATTENTION: Only qualified electrical personnel familiar with the construction and operation of this equipment and the hazards involved should install, adjust, operate, and/or service this equipment. Read and understand this manual and other applicable manuals in their entirety before proceeding. Failure to observe this precaution could result in severe bodily injury or loss of life.

Product Description

The NEMA Type 1 kit is used to modify chassis style GV3000/SE drives to attain a NEMA1 rating. The kit can be used on drives labeled "Rev. 0.7 or higher." Note that the cartons for three drives are labeled "Suitable for NEMA 1 Type Conversion Kit". Three models of NEMA Type 1 kit are available, and each model is used for the following GV3000/SE drives:

Model 2CK4100 NEMA Type 1 kit : To be used for Model 75V40XX and 100V40XX drives

Model 2CK4125 NEMA Type 1 kit : To be used for Model 125V40XX drive

Model 2CK4200 NEMA Type 1 kit : To be used for Model 150V40XX and 200V40XX drives

When a NEMA Type 1 kit is mounted on a GV3000/SE drive, ambient environment temperature of the drive must be between 0 and 40 degree C (32 and 104 degree F) to meet the NEMA Type 1 rating.

Mounting Procedure

The NEMA Type 1 kit must be mounted to the GV3000/SE drive to cover its input/output terminals, after the drive has been installed. Use the following steps to mount the NEMA Type 1 kit. Refer to Figure 1. The identification numbers provided correspond to the numbers used in the figure.

- Step 1. Mount the drive first to the solid vertical surface selected using four (4) mounting holes provided. (For more information on mounting the drive, refer to 75-200 HP/460 VAC GV3000/SE AC Drive Hardware instruction manual (D2-3392).
- Step 2. Attach the brackets A (Top) and B (Bottom) of the kit to the top and the bottom of the drive unit.
- Step 3. Remove the metal cover for the knockout of the kit and attach conduits provided by user to the knockout of the kit.
- Step 4. Attach the mounting brackets to the kit and mount the kit to the vertical surface.
- Step 5. Install input and output power wiring, grounding conductor, and signal and control wiring to and from the regulator.
- Step 6. Attach the faceplates of the kit.
- Step 7. Attach the cover to the communication port of the regulator.
- Step 8. Attach a label for NEMA Type 1 to the right side panel of GV3000/SE, and the user must insert the revision No. of the unit to the underlined part of GV3000/SE M/N column and mark the same column of the label with "X".

Figure 2 shows the outline dimensions and weights of the NEMA Type 1 kit.

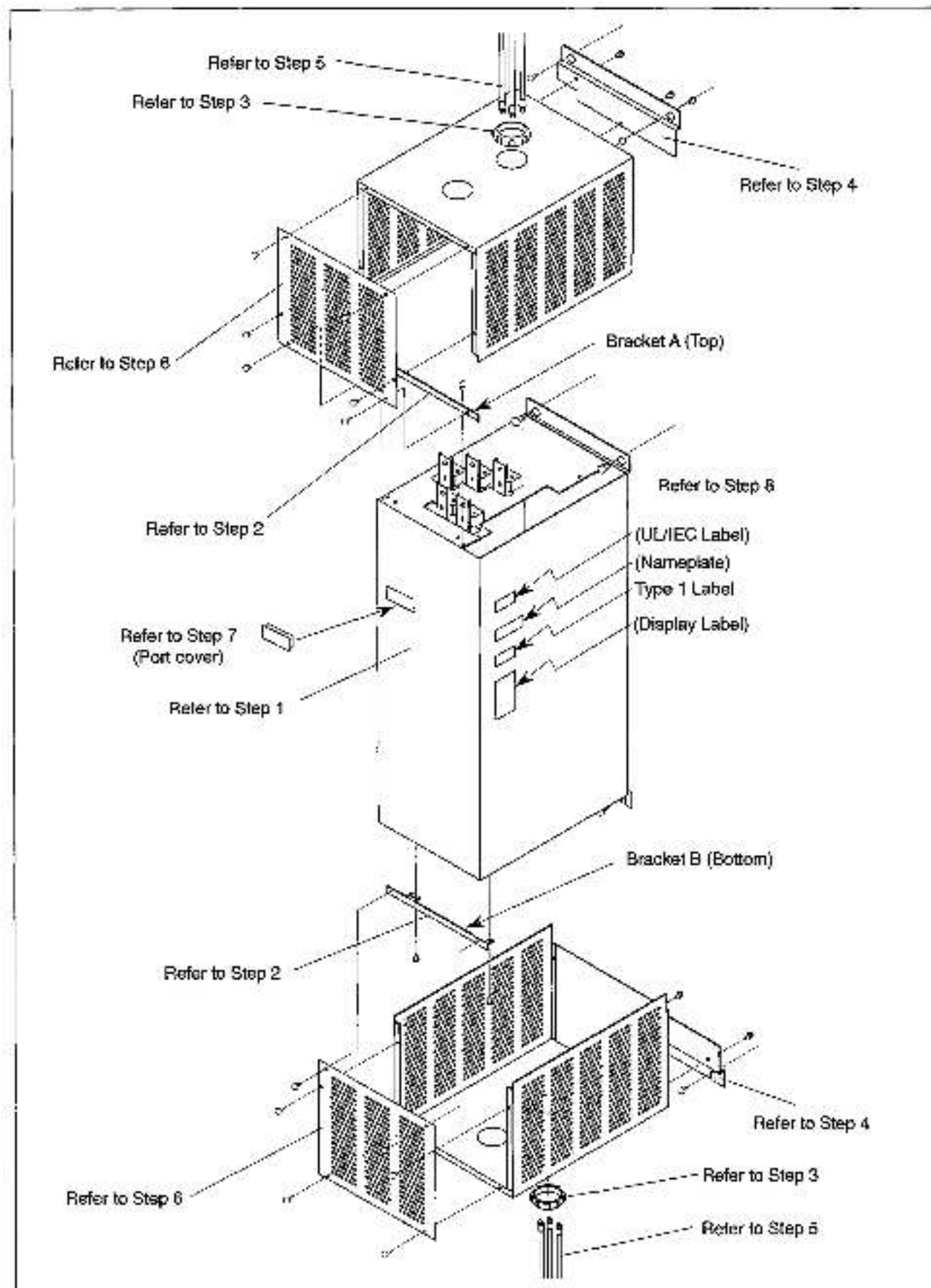


Figure 1 - Mounting NEMA Type 1 Kit to GV3000/SE Drive

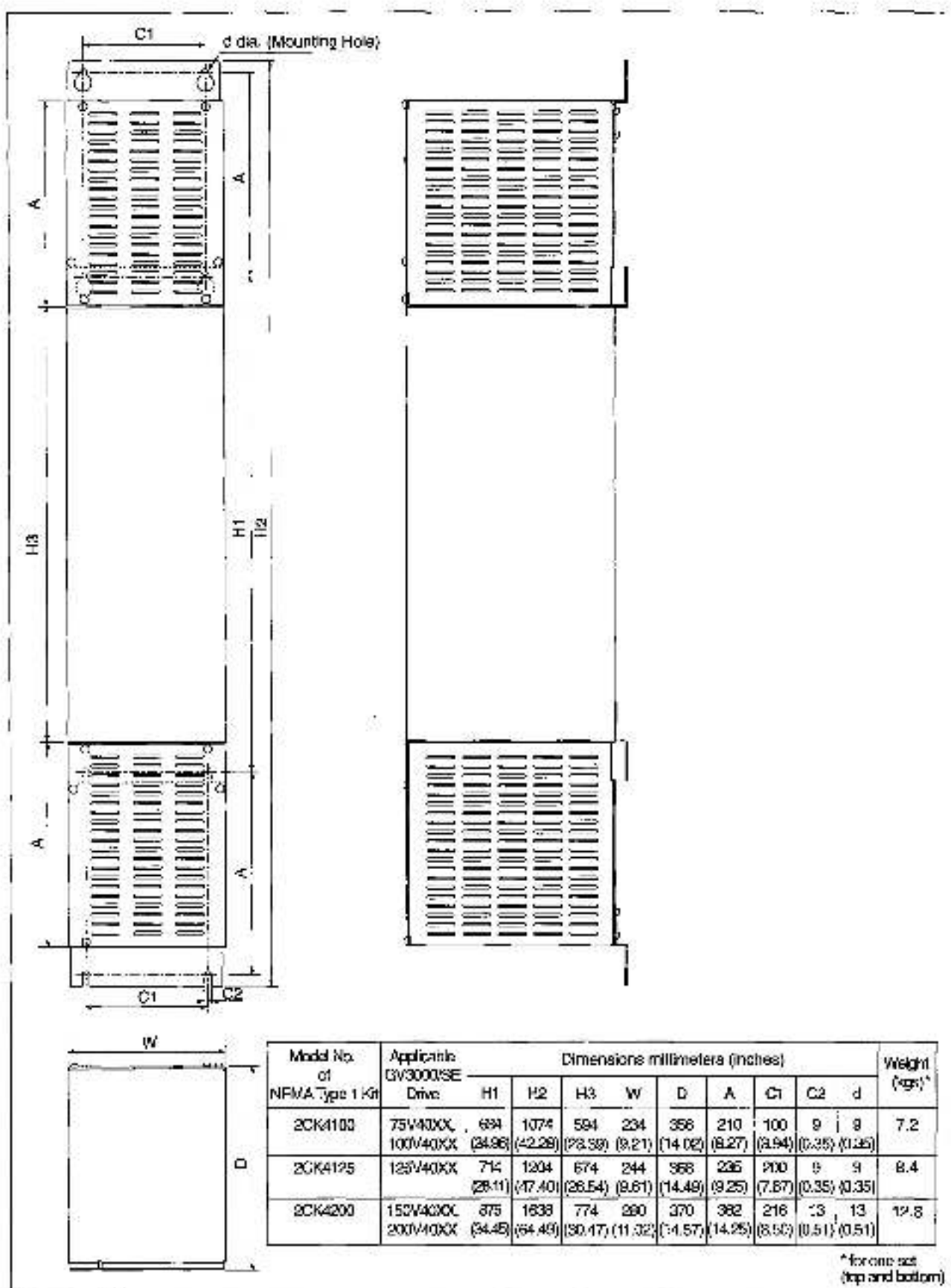


Figure 2 - Outline Dimensions of NEMA Type 1 Kit

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