

EC Titanium Drive Installation Manual

General

EC Titanium Drive Power Modules must be mounted onto the provided flat metallic surface within the drive mounted enclosure to allow dissipation of the heat produced.

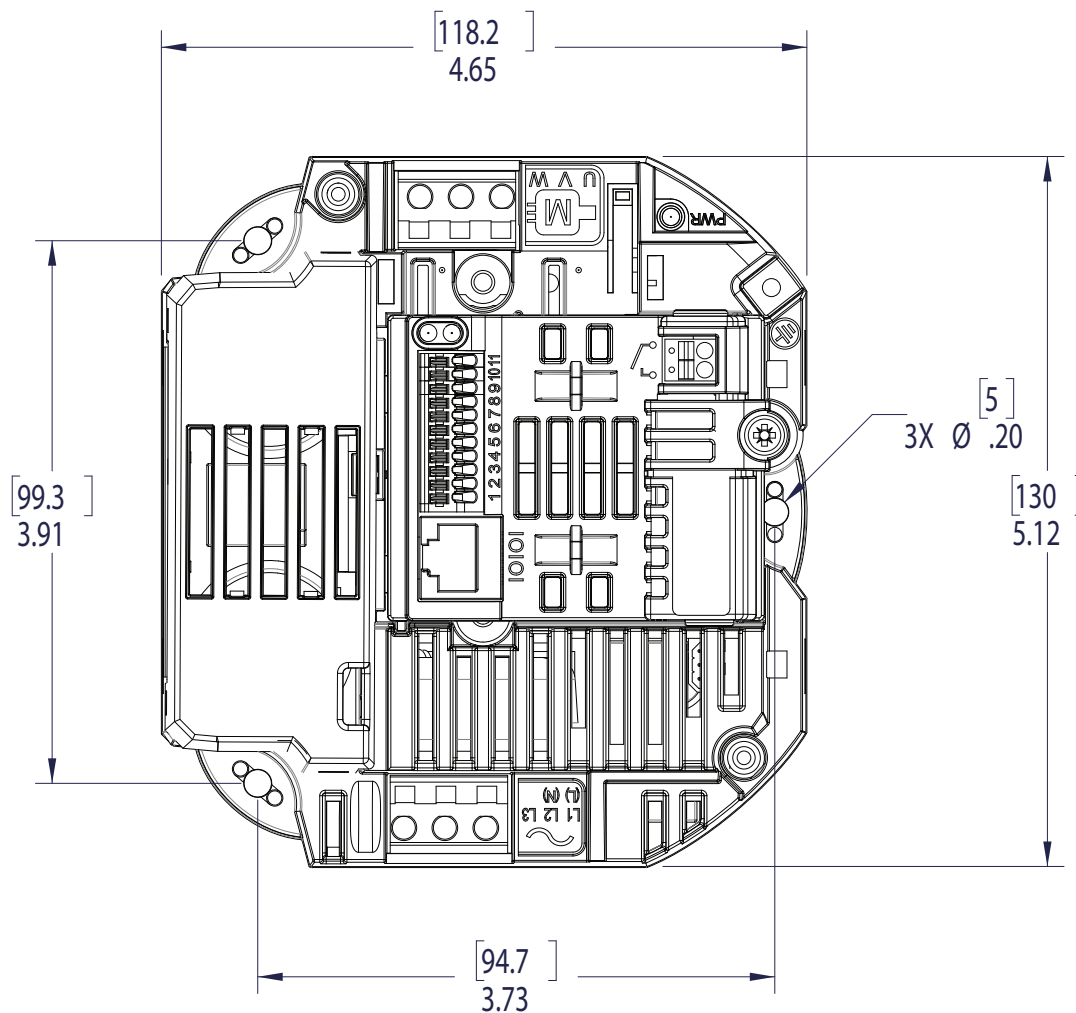
The unit should be mounted only using the integral mounting holes.

Ensure the drive mounting surface is flat and clean. It must be free of oils/contaminates and debris that may prevent proper thermal and electrical isolation of the baseplate to the heatsink. Capacitor failures may leave residue on the heatsink and require the mounting plate in the drive enclosure be cleaned prior to the replacement drive installation.

Units may be mounted in any orientation.

Mechanical Dimensions and Mounting

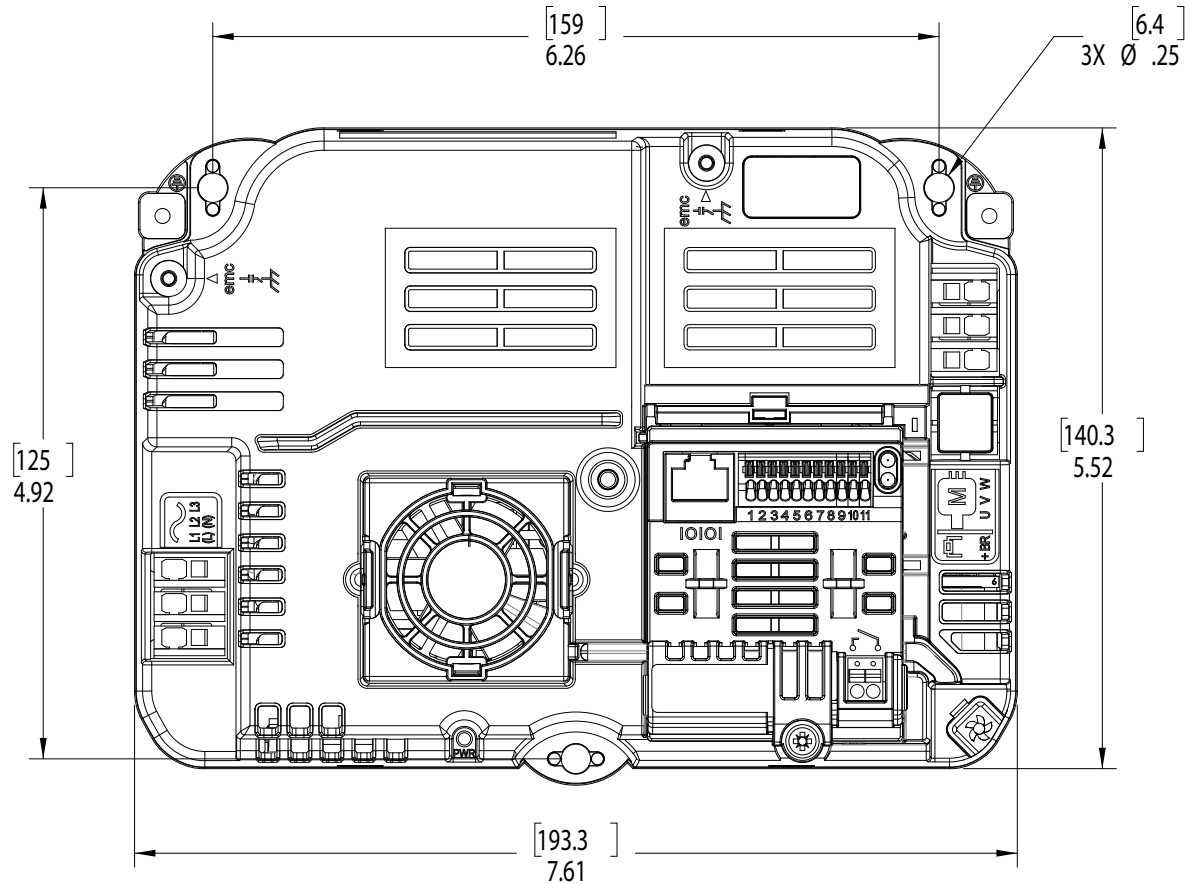
Size 1 Drive Overall Dimensions and mounting points



Use (3) x 8/32" bolt or screws, tightening torque: 19-23 in-lbs.
3 x M4 (No. 8), tightening torque: 4Nm

Size 2 Drive Overall Dimensions and mounting points

Use (3) x 10/32" bolt or screws, tightening torque: 27-33 in-lbs.
3 x M4 (No. 8), tightening torque: 4Nm



Drive Replacement

Ensure that all power is removed from the drive, unwire any input power and control wiring to the unit. Remove the 3 motor leads on terminals U V W from the original drive, then remove the 3 mounting screws. The drive will lift out and can be removed. Take care to save the mounting screws for use with the new drive unit installation.

Install the new drive in the original location, torque screws to the values shown in the drive module dimension section. Note: make sure the silica packet for shipping (usually below the IO board) has been removed before running. Re-wire the drive to the motor. U-V-W corresponds with leads 1-2-3 respectively to get the correct rotation of the motor.

Detailed information on programming and setup of the drive can be found in the instruction manual and the quick start guide by following the QR code below:



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