



Unidrive M600-M70X, F300, H300, E200 & E300 Size 6 Through-panel Mounting Installation Sheet

1 Safety information

Follow the instructions

 The mechanical and electrical installation instructions must be adhered to. Any questions or doubt should be referred to the supplier of the equipment. It is the responsibility of the owner or user to ensure that the installation of the drive and any external option unit, and the way in which they are operated and maintained, comply with the requirements of the Health and Safety at Work Act in the United Kingdom or applicable legislation and regulations and codes of practice in the country in which the equipment is used.

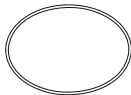
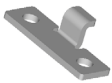

Competence of the installer

 The drive must be installed by professional assemblers who are familiar with the requirements for safety and EMC. The assembler is responsible for ensuring that the end product or system complies with all the relevant laws in the country where it is to be used.

2 Introduction

This document covers through-panel mounting instructions for Unidrive M600 / M70X, F300, H300, E200 & E300 Size 6 drives. The standard drive is rated to IP20 pollution degree 2 (dry, non-conductive contamination only, NEMA 1). However, it is possible to configure the drive to achieve IP65 rating (NEMA 12) at the rear of the heatsink for through-panel mounting.


The following items are supplied in the kit bag:

Table 2-1 Contents of kit box (CT Part Number: 3470-0055-00)

Description	Image	Qty
Through panel mounting gasket		x 1
Through panel securing brackets		x 3
Through panel mounting instructions sheet		x 1



The following items are included in the kit boxes 3470-0054 and 3470-0037, either of which can be supplied with the drive.

Table 2-2 Additional items provided

Description	Image	Qty
Frame 6 mounting brackets		x 2

The following items are not included in the kit box, however they are required to complete the installation.

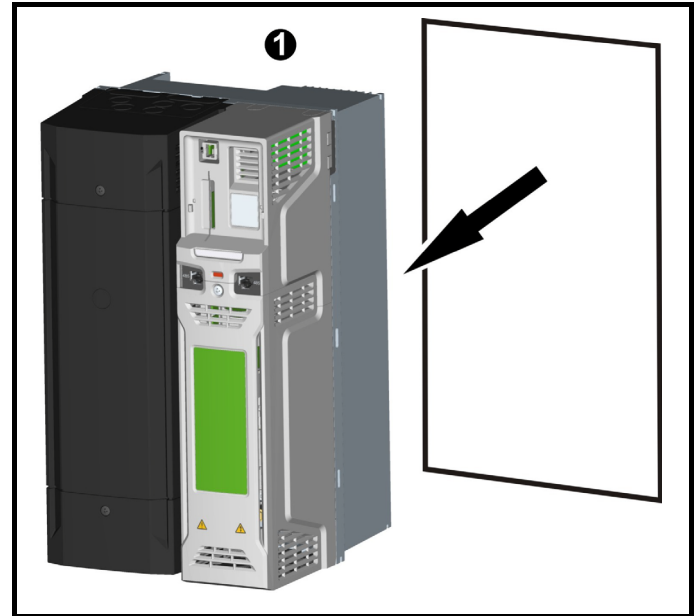
Table 2-3 Additional items required

Description	Image	Qty
Suitable M6 fastener		6
Suitable M5 fastener		6

3 Instructions

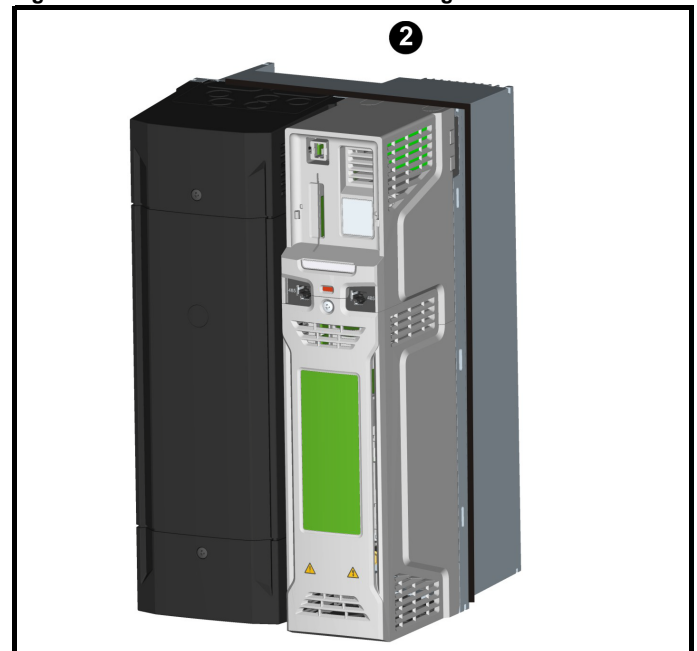
3.1 Preparing for installation

Figure 3-1 Installing the gasket



1. Install the through panel mounting gasket onto the drive with the kit provided as shown (1).

Figure 3-2 Frame 6 drive and assembled gasket

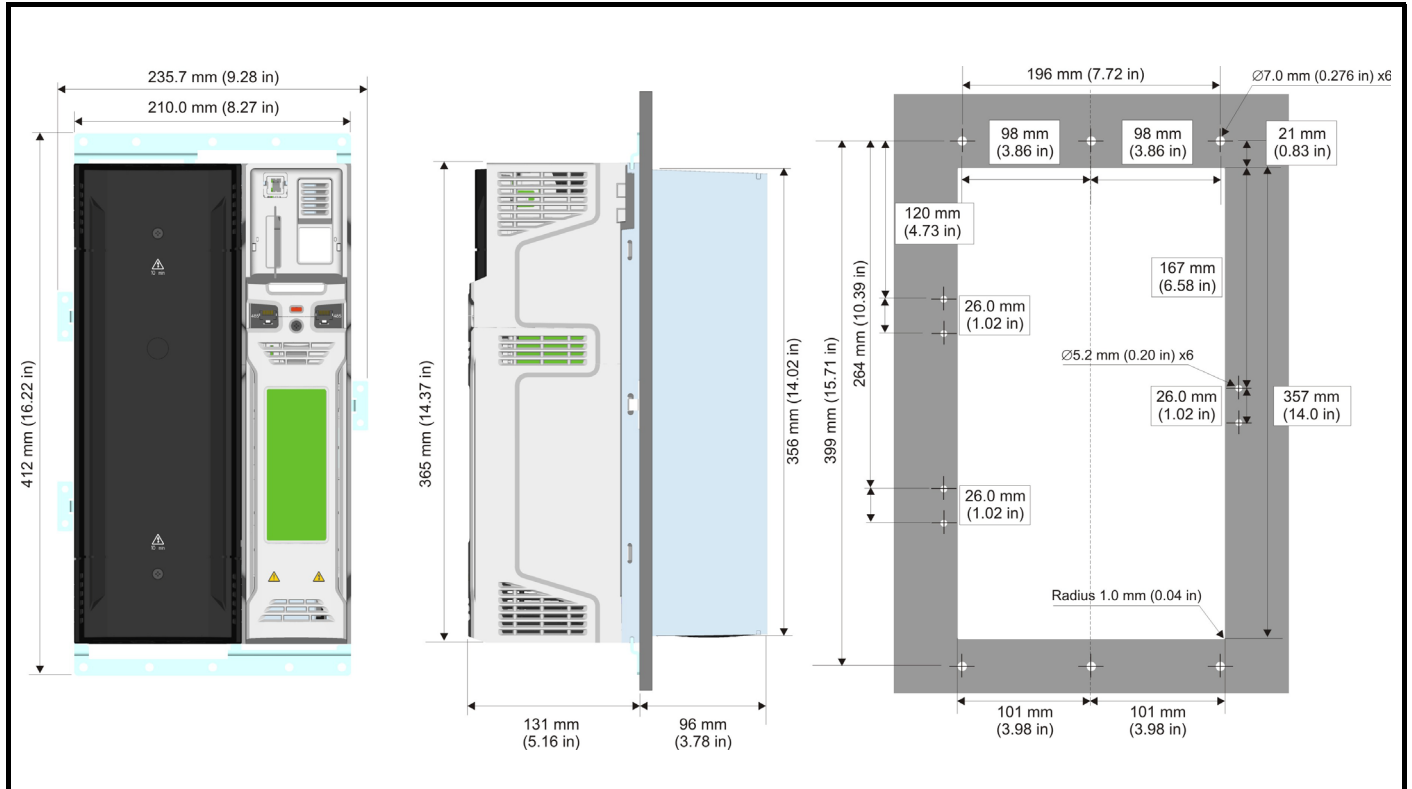


2. Drive and assembled gasket (2).



3.2 Preparing the backplate

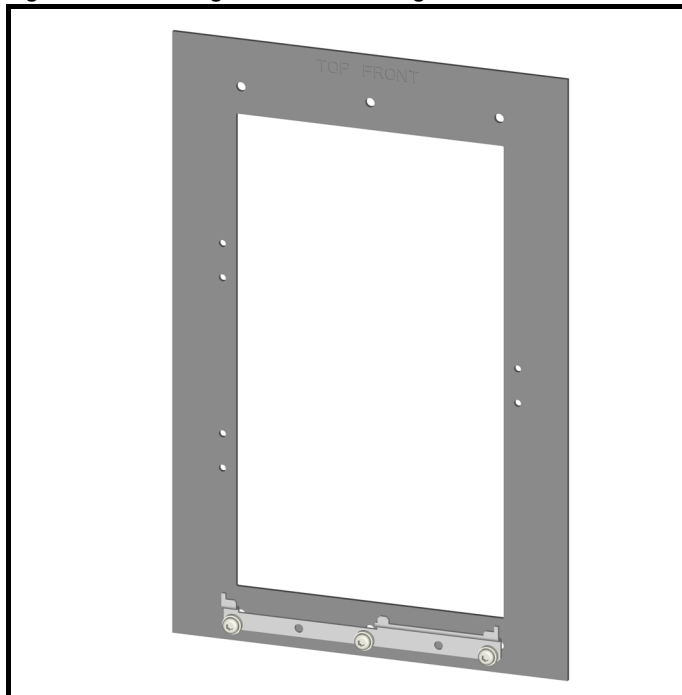
Figure 3-3 Backplate mounting detail



Prepare the backplate in accordance with the mounting dimensions shown in Figure 3-3.

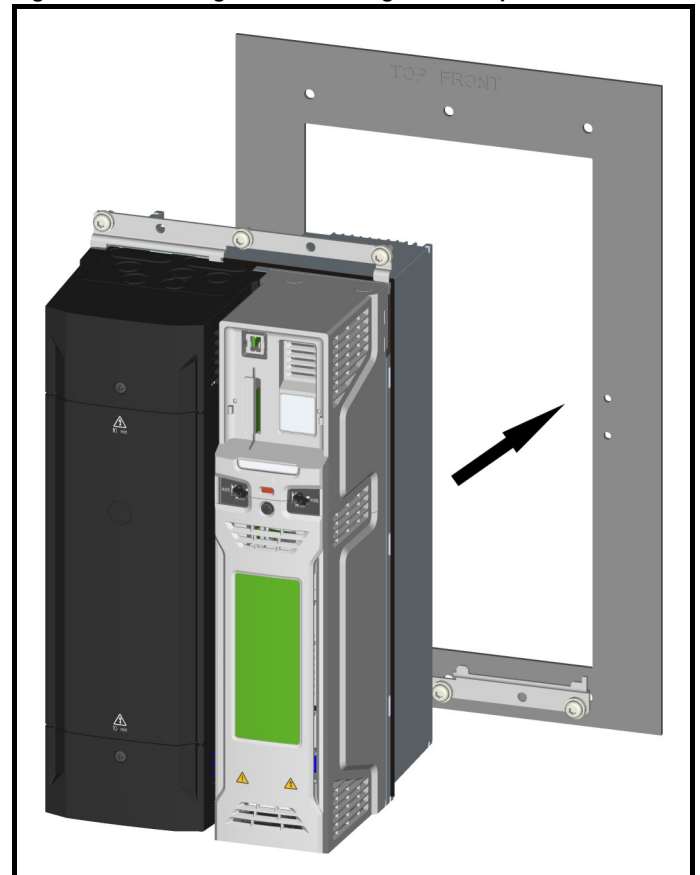
3.3 Installing the drive

Figure 3-4 Installing the lower mounting bracket



Loosely secure the lower mounting bracket to the mounting plate, using three M6 fasteners as shown in Figure 3-4. This will allow small movement of the bracket when securing the upper mounting bracket.

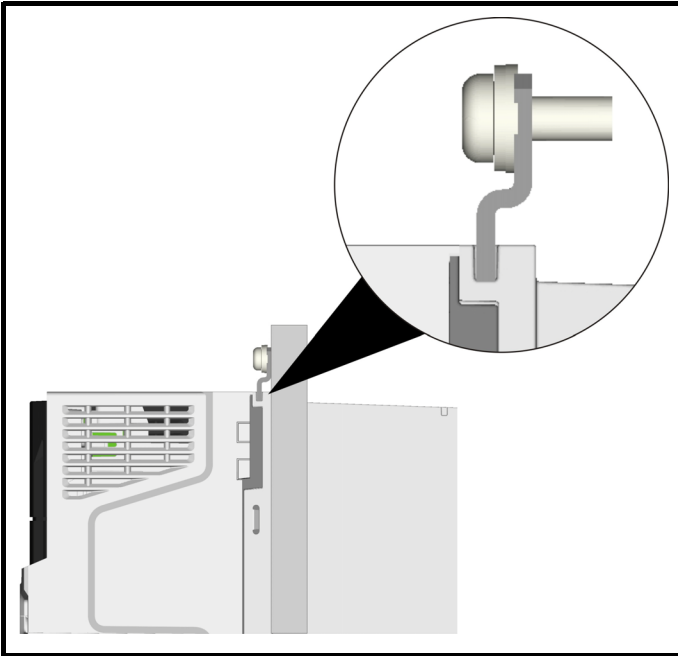
Figure 3-5 Inserting the drive through the backplate



Insert the drive through the cut-out in the mounting plate, and engage the drive chassis mounting slots on the lower mounting bracket ensuring that the drive is supported at all times until secured firmly.

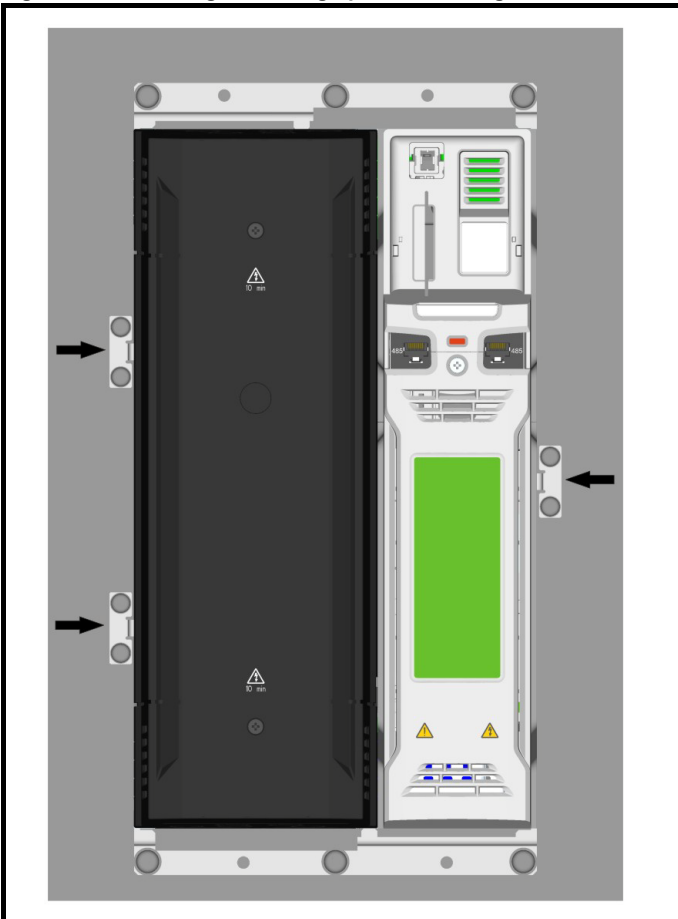


Figure 3-6 Securing the upper mounting bracket



Locate the upper mounting bracket into the drive chassis upper mounting slots and secure the drive to the mounting bracket using M6 fasteners. Make sure the M6 fasteners on the lower mounting bracket are fully secured before proceeding further. Max Torque 2.5 N m (22 lb in).

Figure 3-7 Installing the through panel mounting brackets



Install the through panel securing brackets (x3) into the drive chassis, and secure them to the backplate using suitable M5 fasteners.

