

# Unidrive M600, M700, M800

## Size 4 Through-panel Mounting Installation Sheet

### 1 Safety information



**WARNING**

**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.



**WARNING**

**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, M700, M800 Size 4 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 device to achieve IP65 rating (NEMA 12). This is done by sealing the heat sink vent at the rear of the heatsink by installing the high IP insert as illustrated in Figure 3-1. Some current derating is required and reference should be made to the drive's User Guide for current derating information.

The following items are supplied in the box:

**Table 2-1 Contents of the Box (CT Part Number: 3470-0053-00)**

Description	Image	Qty
Through panel mounting gasket		x 1
Through panel securing brackets		x 2
High IP insert		x 1
Through panel mounting instructions sheet		x 1

The following items are included in the kit box supplied with the drive:

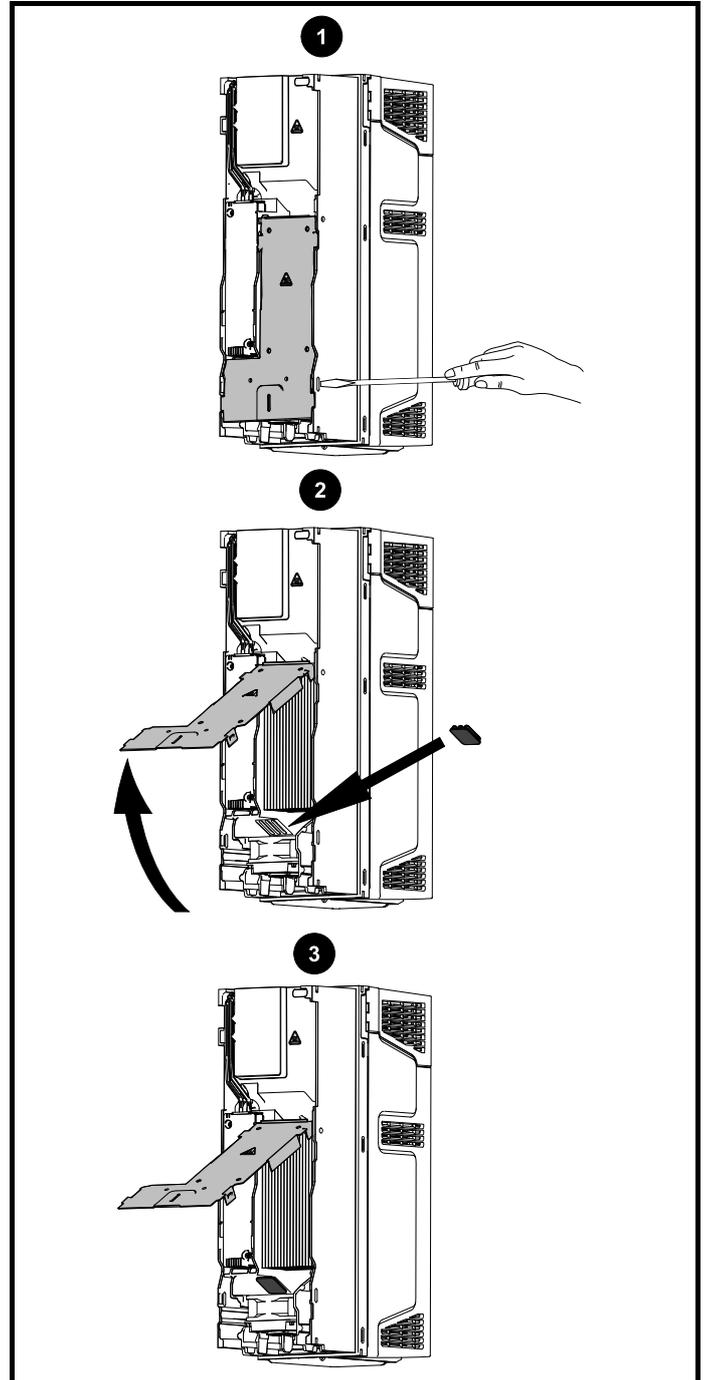
**Table 2-2 Additional items required**

Description	Image	Qty
Frame 4 mounting brackets		x 2

### 3 Instructions

#### 3.1 Installing the high IP insert

**Figure 3-1 Installing the high IP insert**



1. To install the high IP insert, firstly place a flat head screwdriver into the slot highlighted (1).
2. Pull the hinged baffle up to expose the ventilation hole, install the high IP insert into the ventilation hole in the heatsink (2).
3. Ensure the high IP insert is securely installed by firmly pressing it into place (3).
4. Close the hinged baffle as shown (1).

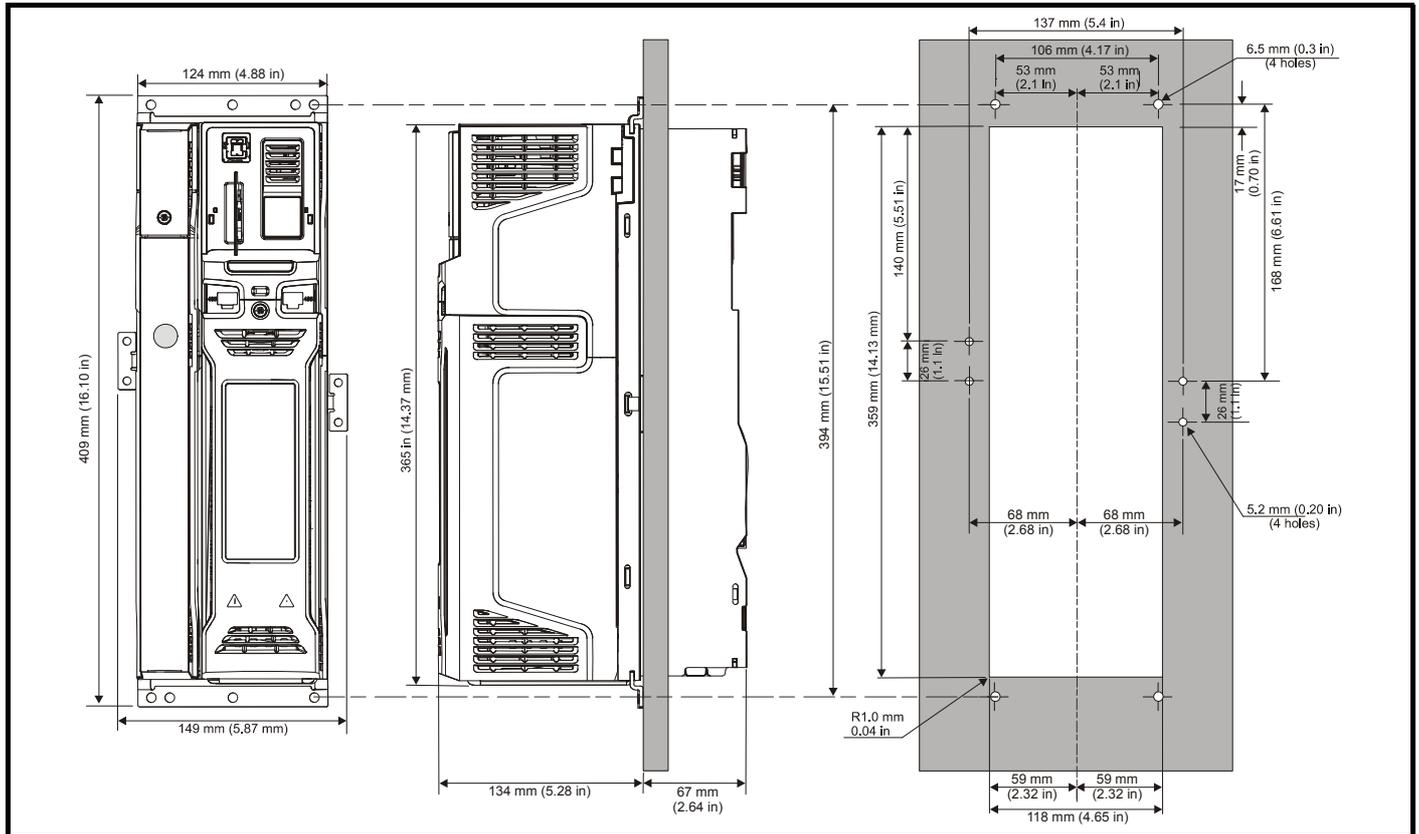
To remove the high IP insert, reverse the above instructions.



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### 3.2 Preparing the backplate

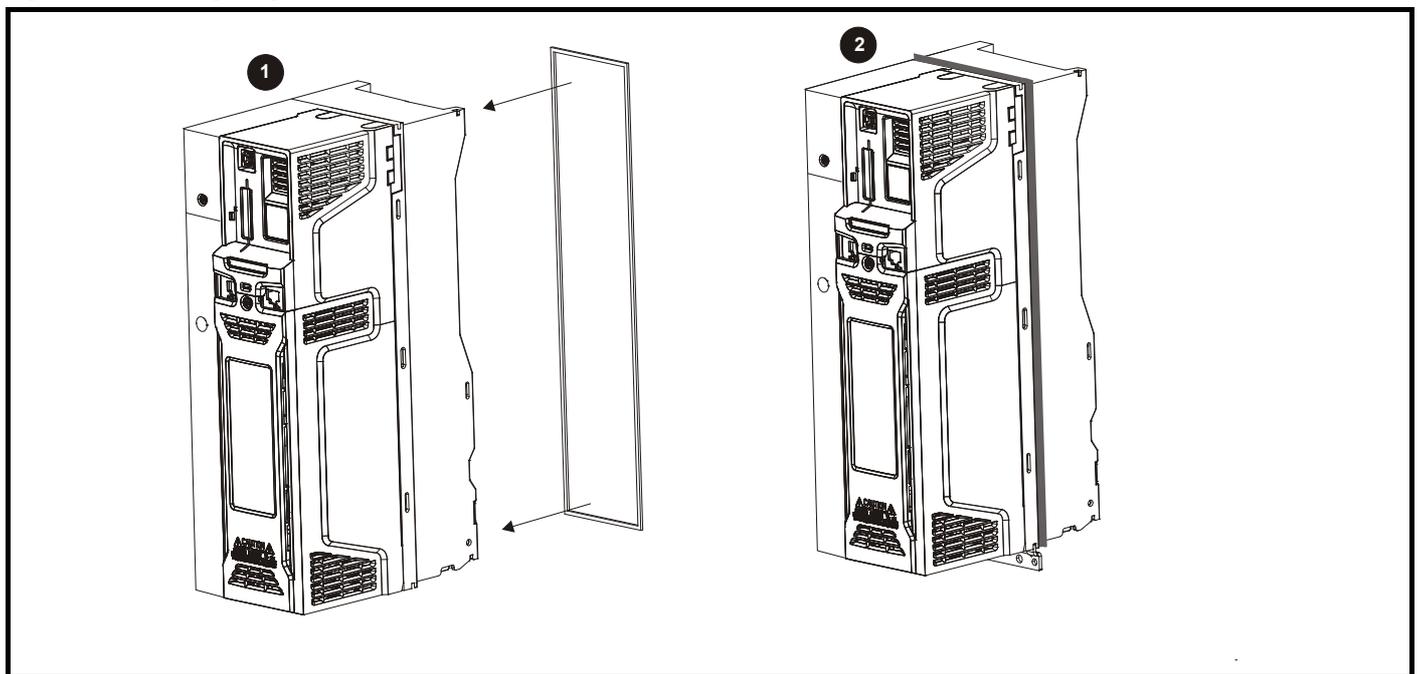
Figure 3-2 Through panel mounting the size 4 drive



Prepare the backplate in accordance with the mounting dimensions shown in Figure 3-2.

### 3.3 Preparing for installation

Figure 3-3 Installing the gasket

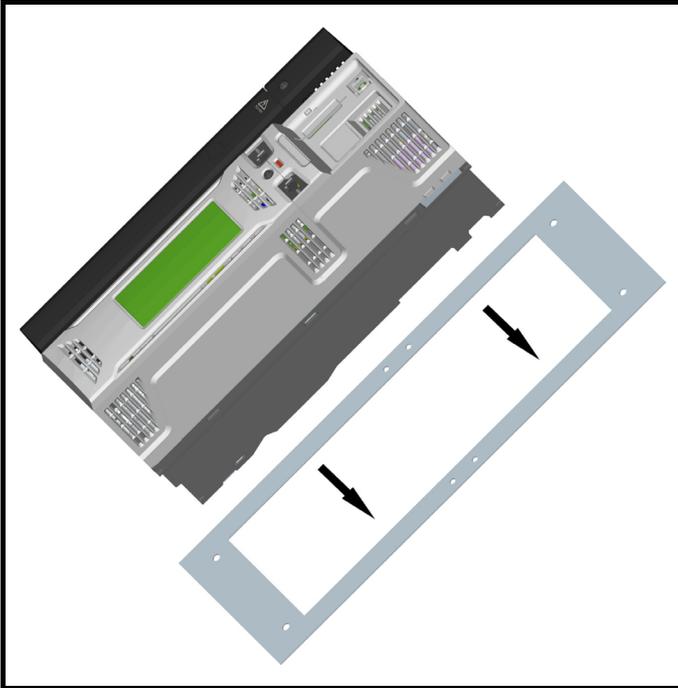


1. Install the main gasket with the kit provided as shown (1).
2. The image on the right shows the drive and gasket assembled (2).



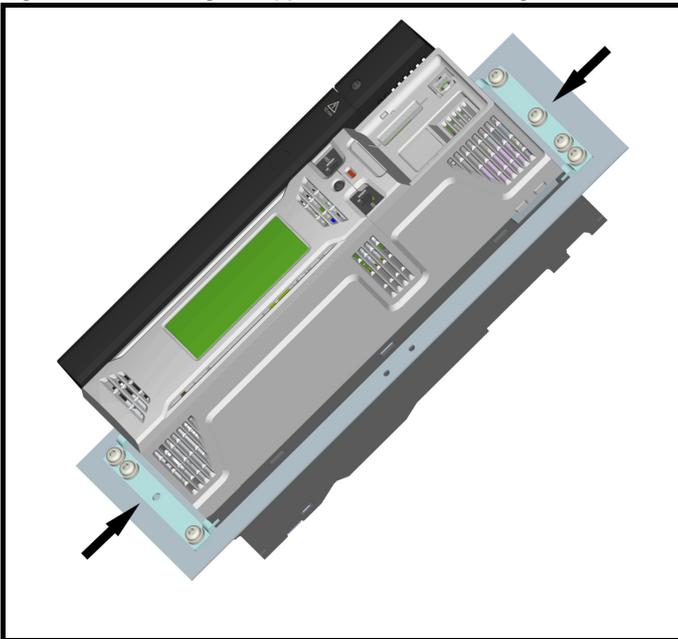
### 3.4 Installing the drive

Figure 3-4 Installing the drive through the panel cutout



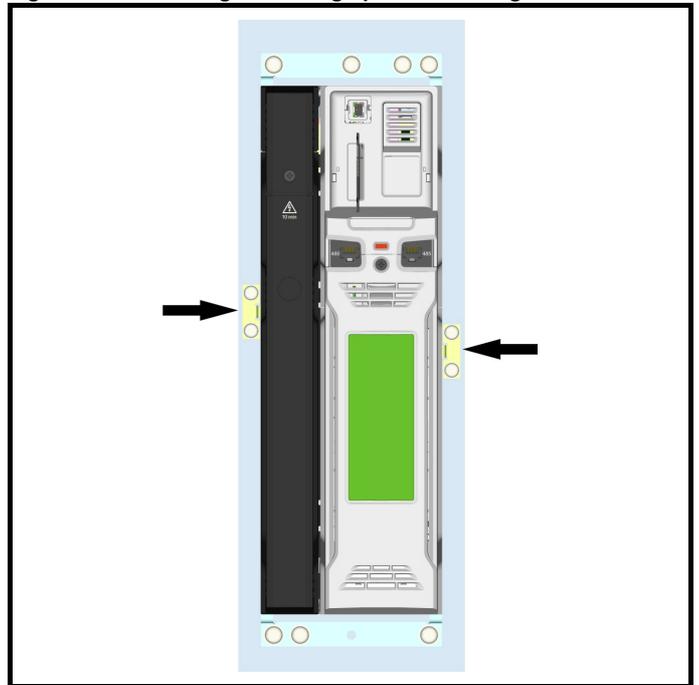
Insert the drive through the panel cutout

Figure 3-5 Securing the upper and lower mounting brackets



Locate the upper and lower mounting brackets over the chassis mounting holes and secure the drive with M5 fasteners.

Figure 3-6 Installing the through panel mounting brackets



Install the through panel securing mounting brackets on the drive chassis using M5 fasteners.



