



Lifting Instructions for 1397 DC Drives

This publication will guide you through the steps needed to properly lift and mount the following drives on a vertical surface:

- 1397 DC Drives (60-600 HP)



ATTENTION: To guard against possible personal injury or equipment damage . . .

- Do Not allow any part of the drive or lifting mechanism to make contact with electrically charged conductors or components.
- At no time should a person or their limbs be directly underneath the items being lifted.
- Do not subject the load to high rates of acceleration or deceleration.
- Inspect all lifting hardware for proper attachment before lifting drive unit.

Lifting Component Ratings

All lifting equipment and lifting components (Hooks, bolts, lifts, slings, chains etc.) must have a minimum lifting capacity of 1,000 lb.

Drive Mounting

Perform the following steps to mount the Drive.

NOTE: Horizontal mounting is NOT permitted.

1. Check the hole pattern on the panel to which the drive will be mounted. Refer to Figures 2 thru 5 for the correct pattern.
2. Insert, but DO NOT fully tighten three bolts in the top holes of the panel. Bolts must be fully threaded into the panel before hanging the drive as shown in Figure 1.

Figure 1.
Mounting Bolt Engagement

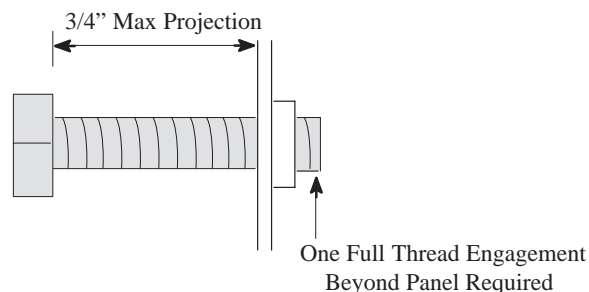


Figure 2.
Mounting Hole Pattern 60 HP Drives

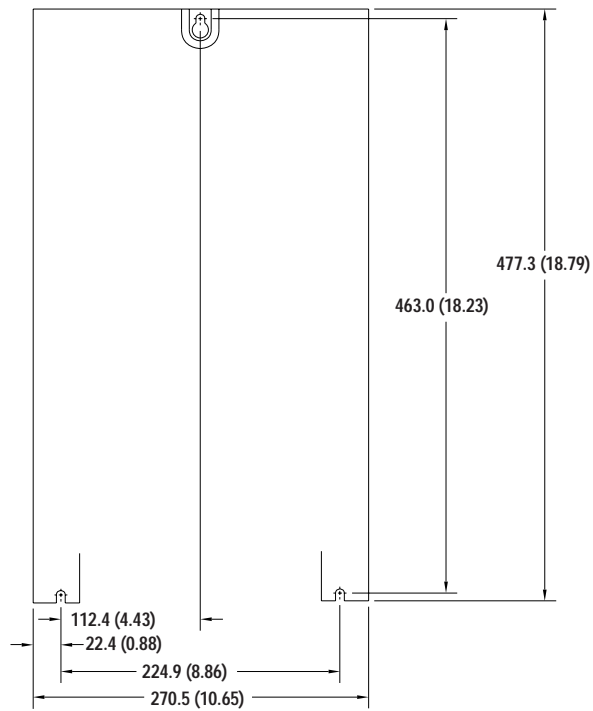


Figure 3.
Mounting Hole Pattern 150 HP Drives

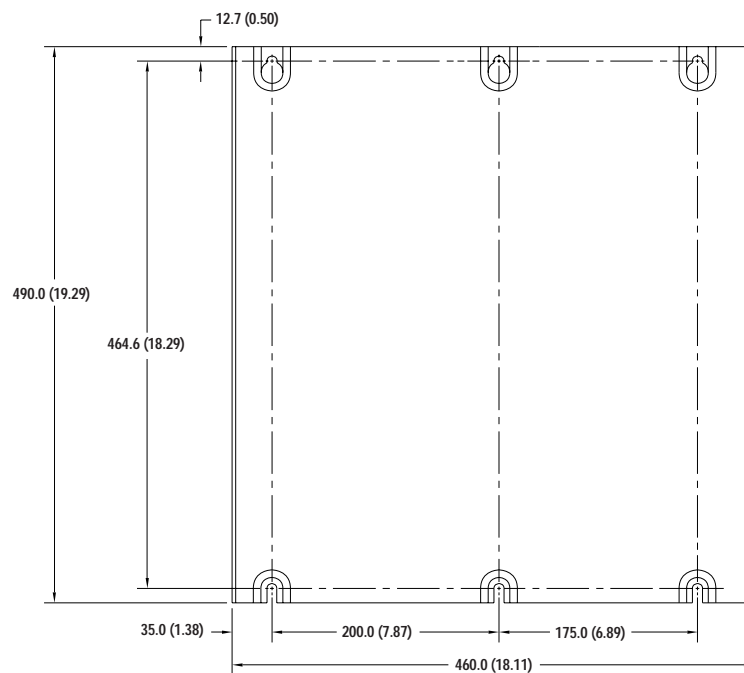


Figure 4.
Mounting Hole Pattern 300 HP Drives

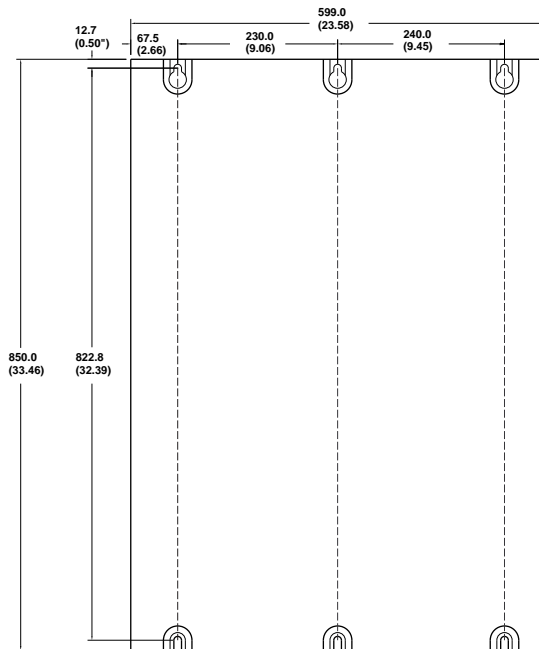
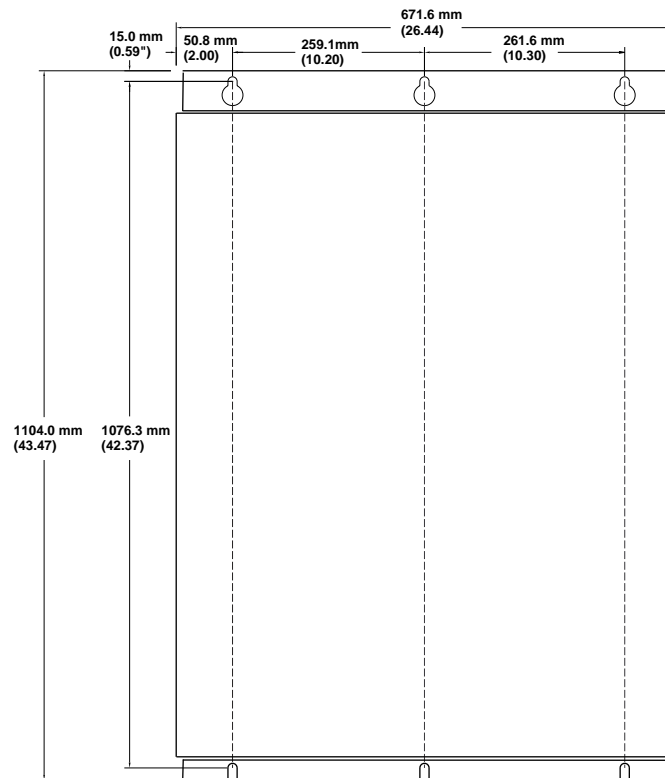


Figure 5.
Mounting Hole Pattern 600 HP Drives

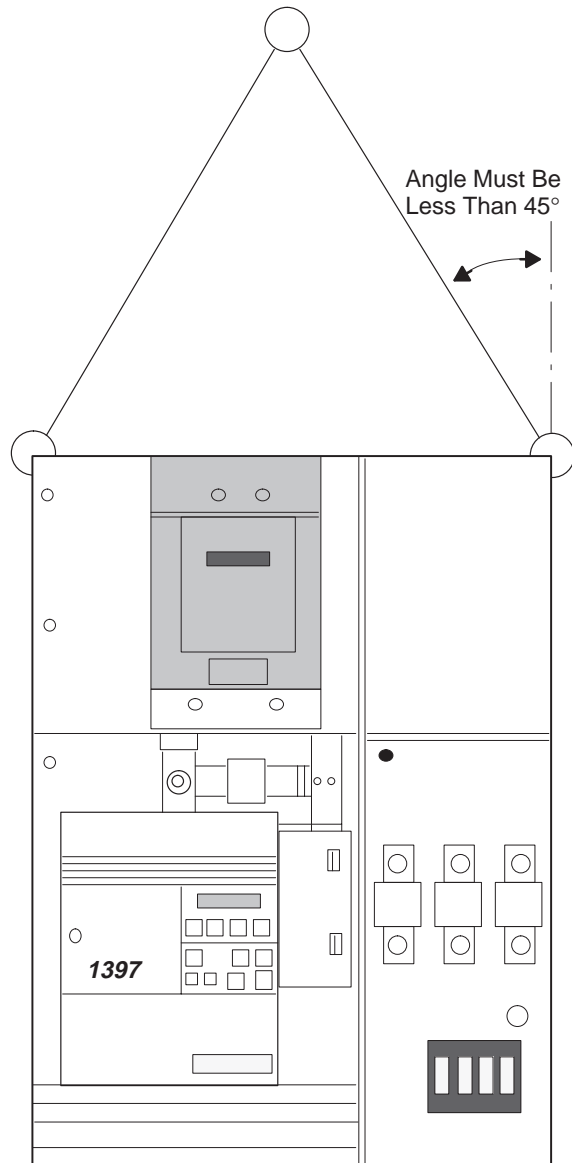


3. Insert properly sized and rated lifting hooks into the top two 1” holes of the drive chassis (Figure 6). To limit pull in forces on the drive, the lifting devices connected to the hooks must be long enough to make the angle between the chain and a vertical line extending up from the cabinet edge less than 45 degrees as illustrated in Figure 3.

NOTE: 60 HP and smaller Drives do not have lift holes in the top of the Drive chassis. If using hooks or lift eyes with these units, place them in the handholds on the side of the cabinet.

4. Lift drive into place over the top (3) bolts. Verify that the bolt heads on the panel engage properly into the keyhole slots on the drive.
5. Once the top bolts are properly seated, the bottom bolts can be installed and tightened.
6. Tighten all bolts to a torque of 22.6 N-m (200 lb.-in.).

Figure 6.
Lifting Angle Arrangement



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