



Lifting & Mounting PowerFlex[®] 700AFE (Frames 10 and 13)

General Precautions



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

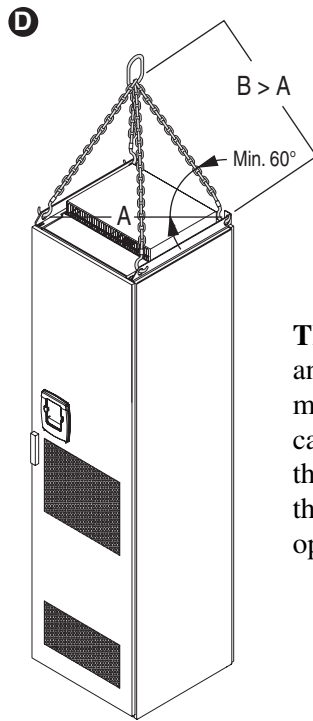
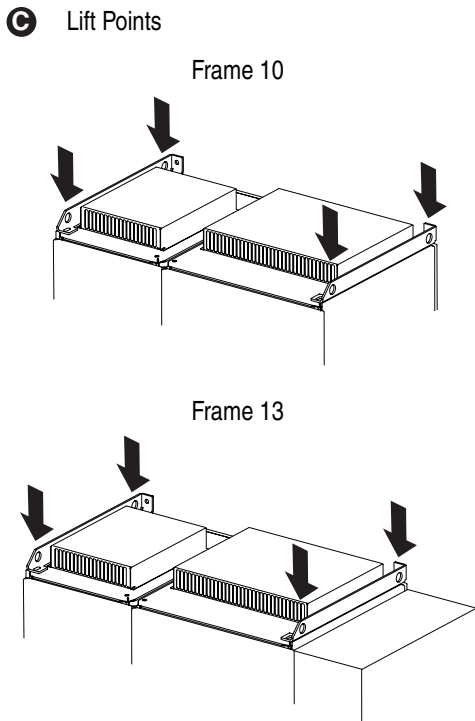
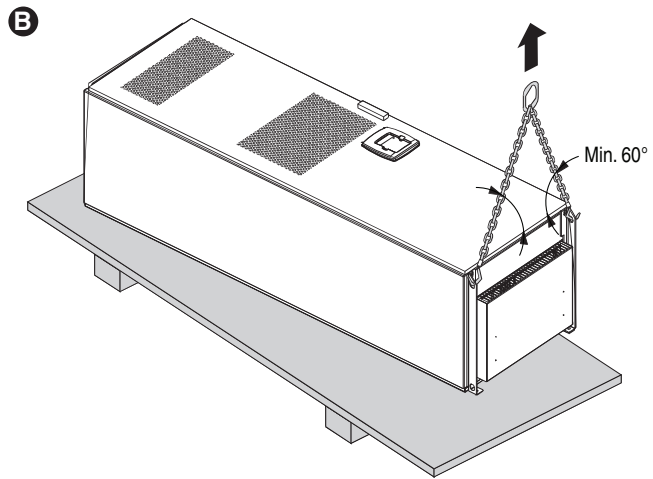
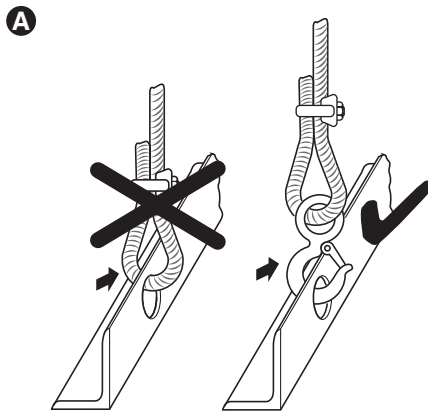
- Do Not allow any part of the AFE or lifting mechanism to make contact with electrically charged conductors or components.
 - At no time should a person or their limbs be directly underneath the items being lifted.
 - Do not subject the load to high rates of acceleration or deceleration.
 - Inspect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

- Step 1: Attach the lifting hardware to the AFE
- Step 2: Mount the AFE to the floor and/or wall

Step 1: Attaching the Lifting Hardware to the AFE

Directions for AFEs Installed in Standard Rittal Enclosures



TIP: To ensure that this angle is greater than 60°, make the length of chain or cable between the center and the corners (B) longer than the distance between the opposite corners (A).

Table 1 Approximate AFE and Enclosure Weights

Frame Size	AFE Voltage Class	AFE Rating Amps	Enclosure Weight ⁽¹⁾ kg (lbs.)	Enclosure and Packaging Weight ⁽¹⁾ kg (lbs.)
10	400/480	460	600 (1322.8)	710 (1565.3)
	600/690	325	600 (1322.8)	710 (1565.3)
13	400/480	1300	1280 (2821.9)	1330 (2932.1)
	600/690	1030	1280 (2821.9)	1330 (2932.1)

⁽¹⁾ Includes the AFE Power Module and LCL Filter.

Directions for Open Type AFEs

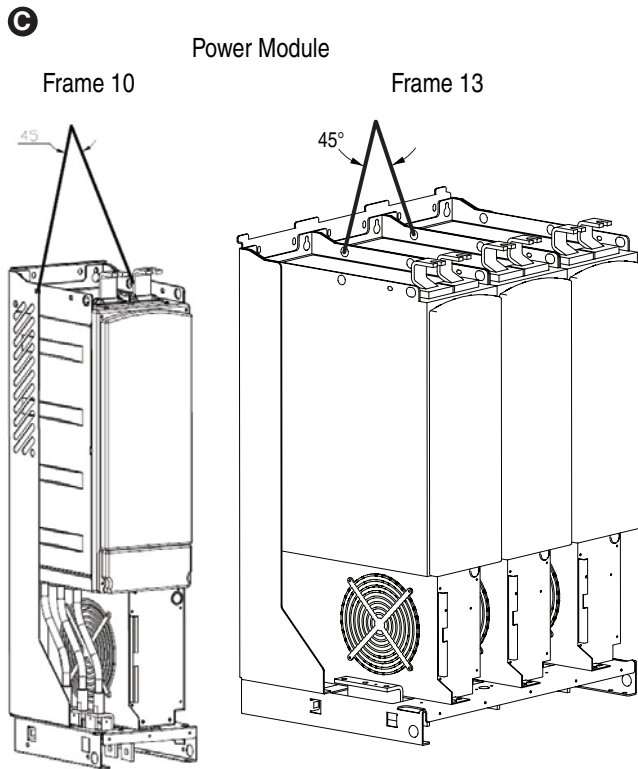
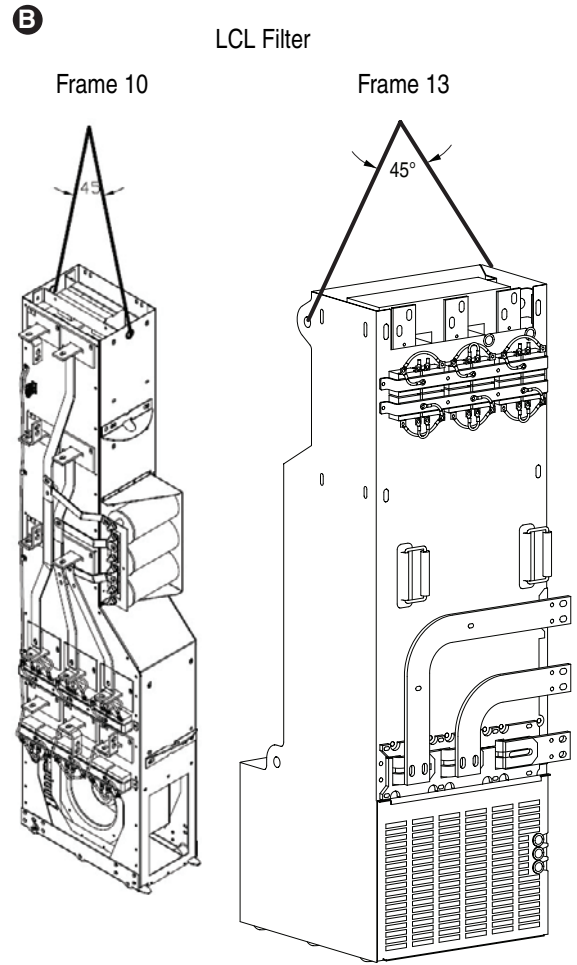
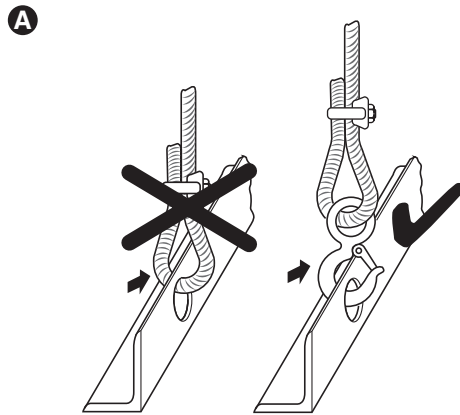


Table 2 Open Type AFEs - Approximate Weights

Frame Size	AFE Voltage Class	AFE Rating Amps	Power Module Weight <i>kg (lbs.)</i>	LCL Filter Weight <i>kg (lbs.)</i>	Open AFE and Packaging Weight ⁽¹⁾ <i>kg (lbs.)</i>
10	400/480	460	100 (220.5)	263 (579.8)	413 (910.5)
	600/690	325	100 (220.5)	304 (670.2)	413 (910.5)
13	400/480	1300	306 (674.6)	477 (1051.6)	833 (1836.4)
	600/690	1030	306 (674.6)	473 (1042.7)	829 (1827.6)

⁽¹⁾ Includes the AFE Power Module and LCL Filter.

Step 2: Mounting the AFE to the Floor and/or Wall

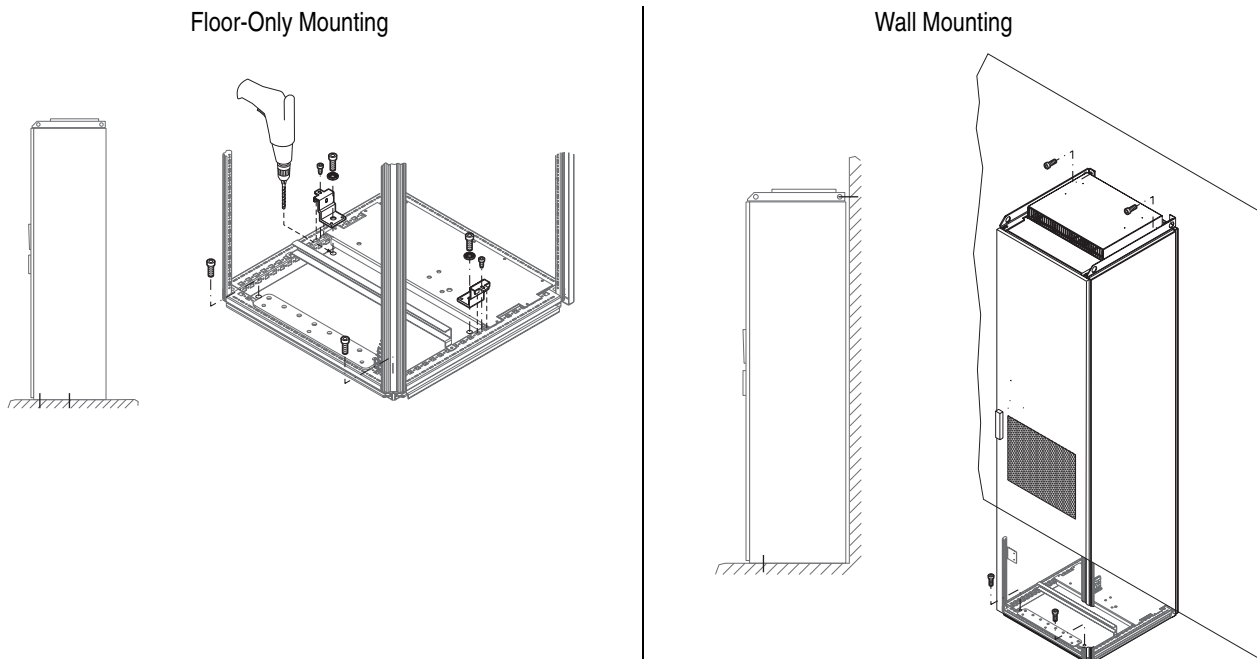
Floor-Only Mounting

Secure the AFE to the floor with M12 size anchor bolts in the front corner holes of the enclosure base plate. Additionally, secure the AFE using the mounting plates as needed (Rittal part no. 8800-210 or equivalent). Do this as close as possible to the LCL Filter assembly plate. With this method, the holes through the base plate must be drilled on site.

Important: If it is important to align the AFE cabinet vertically with adjacent Rittal cabinets, you may need to place shims under the AFE cabinet or use leveling feet throughout the cabinet line-up. The Allen-Bradley factory may have removed the standard plastic plugs from the bottom of the cabinet when installing the shipping feet. This reduces the height of the cabinet by 2 mm.

Wall Mounting

Secure the AFE to the floor with M12 size anchor bolts in the front corner holes of the enclosure base plate. Secure the AFE by bolting the adjustable lifting rails to the rear wall or supporting structure.



U.S. Drives Technical Support - Tel: (1) 262.512.8176, Fax: (1) 262.512.2222, Email: support@drives.ra.rockwell.com, Online: www.ab.com/support/abdrives

www.rockwellautomation.com

Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846