Installation Instructions

Original Instructions

Allen-Bradley

PowerFlex 755TM Power and Filter Modules Unpacking and Lifting Instructions

Catalog Numbers 20-750-MI*n-nxxxnxxx*, 20-750-ML*n-nxxxnxxx*

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Before You Begin

Complete these tasks before you unpack and lift an IGBT power or LCL filter module out of the shipping container.

- Prepare all equipment and hardware that is used to lift the module. A hoist, straps, and J-hooks with a lockable clasp capable of supporting the maximum module weight are recommended. See Module Weights on page 2.
- Install the other required IP00/Open Type kits in the enclosure before you install an IGBT power or LCL filter module. See the PowerFlex® 755TM IP00 Open Type Kits Installation Instructions, publication 750-IN101, for details.
- If used, assemble the module service cart (20-750-MCART1). The module service cart is used to secure and transport modules for installation/removal. See the PowerFlex 750-Series Service Cart Instructions, publication 750-IN105 for information on how to assemble, and use the cart. The module service cart must be used with the IP00 IGBT power and LCL filter module floor-mount bracket kits (20-750-MMNT1-F*n*M) installed in an enclosure. See the PowerFlex 755TM IP00 Open Type Kits Installation Instructions, publication 750-IN101, for more information.
- If used, prepare the IGBT power and LCL filter module storage hardware (20-750-MINV-ATIP). The module storage hardware is used to stabilize IGBT power and LCL filter modules for storage in an upright position. See the PowerFlex 755TM Power and Filter Module Storage Hardware Installation Instructions, publication 750-IN106, for information on how to assemble, and use the hardware.

Unpack and Inspect the Module

Upon delivery, follow these steps to unpack and inspect the module.

IMPORTANT Delivery of equipment from Rockwell Automation to the carrier is considered delivery to the buyer. The carrier becomes liable for any damage that occurs during transit. It is the responsibility of the buyer to notify the proper party if damage is found. The buyer can forfeit any right to recovery for loss or damages by failing to comply with these steps.

1. Inspect the shipping container for any damage that occurred during transit.
2. Remove the cover of the shipping container.
3. Optionally, remove the sides of the shipping container.
4. Remove the protective packing materials.
5. Inspect the module for any damage.
6. If damage to the module exists, contact the carrier that delivered the shipment and your Rockwell Automation sales representative to schedule an inspection.
7. Retain all product packaging for review by the carrier.

Read the Lifting Precautions

Read these precautions before attempting to lift an IGBT power or LCL filter module.

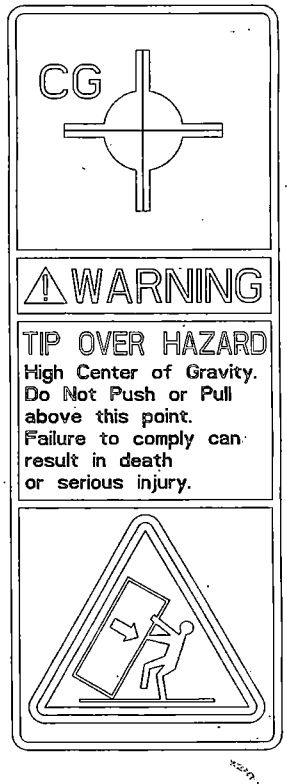
ATTENTION: All equipment and hardware that is used to lift the module must be properly sized and rated to lift and hold the weight of the module safely. To guard against possible personal injury or equipment damage:

- Inspect all hardware for proper attachment before a module is lifted.
- Do not allow any part of the module or lift equipment to contact electrically charged conductors or components.
- Do not subject the module to high rates of acceleration or deceleration during a lift or transportation.
- Do not allow personnel or their limbs directly beneath the module during a lift.

Tip Over Hazard

ATTENTION: IGBT power and LCL filter modules have a high center of gravity and a tip-over hazard exists. To guard against death, serious personal injury, or equipment damage, do not subject the module to high rates of acceleration or deceleration while transporting. Do not push or pull above the points indicated on the module.

This label, affixed to the module chassis, identifies the center of gravity.



Module Weights

All lifting equipment must support these approximate maximum module weights.

Module	Cat. No.	Approximate Maximum Weight *kg (lb)*
Power module	20-750-MI*n-nxxxnxxx*	141 (312)
LCL filter module	20-750-ML*n-nxxxnxxx*	322 (710)

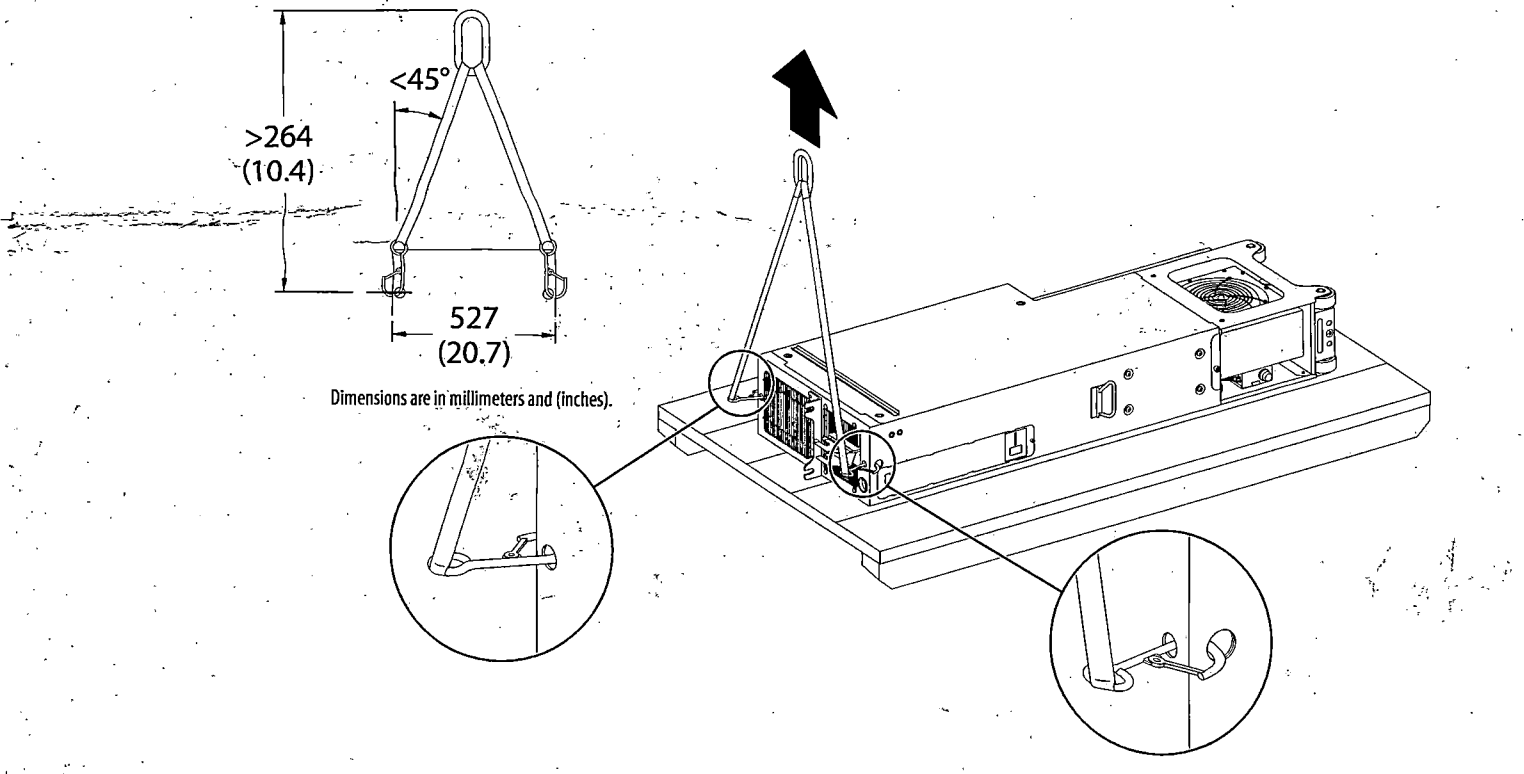
Lift the Module

Follow theses steps to lift a module to an upright position.

IMPORTANT The module contains wheels at the base of the assembly. Do not remove the lifting hardware until the module has been stabilized and secured properly.

1. Optionally, for easier access to the module, remove the T25 hexalobular screws that secure the sides of the shipping container, and remove the container sides.
2. Insert and secure the appropriate hardware in the designated lifting holes (as shown in the illustration).

ATTENTION: To guard against equipment damage, verify that the hardware is securely connected to the correct lifting holes in the module as shown.



3. Slowly lift the module to an upright, vertical position.

   Do not remove the hardware that is used to lift the module until the module has been secured and stabilized.

ATTENTION: The module has a high center of gravity and a tip-over hazard exists. To guard against death, serious personal injury, or equipment damage, do not subject the module to high rates of acceleration or deceleration while transporting. Do not push or pull above the points indicated on the module.

4. To stabilize and transport the module to the installation or storage location, use the optional module service cart or another safe method. See the PowerFlex 750-Series Service Cart Instructions, publication 750-IN105.
5. To store the module in a vertical position, install the optional module storage hardware or secure and stabilize the module by using another safe method. See the PowerFlex 755TM Power and Filter Module Storage Hardware Installation Instructions, publication 750-IN106.

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
PowerFlex 755TM IP00 Open Type Kits Technical Data, publication 750-TD101	Provides detailed information on: • Kit selection • Kit ratings and specifications • Option specifications
PowerFlex 755TM IP00 Open Type Kits Installation Instructions, publication 750-IN101	Provides instructions to install IP00 Open Type kits in user-supplied enclosures.
PowerFlex 750-Series Service Cart Instructions, publication 750-IN105	Provides detailed set-up and operating instructions for the module service cart and lift extension option.
PowerFlex 755TM Power and Filter Module Storage Hardware Installation Instructions, publication 750-IN106	Provides detailed installation and usage instructions for this hardware accessory.
PowerFlex 750-Series Products with TotalFORCE Control Hardware Service Manual, publication 750-TG100	Provides detailed information on: • Preventive maintenance • Component testing • Hardware replacement procedures
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, http://www.rockwellautomation.com/global/certification/overview.page	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at http://www.rockwellautomation.com/global/literature-library/overview.page. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.

Rockwell Automation Support

Use the following resources to access support information.

Technical Support Center	Knowledgebase Articles, How-to Videos, FAQs, Chat, User Forums, and Product Notification Updates.	https://rockwellautomation.custhelp.com/
Local Technical Support Phone Numbers	Locate the phone number for your country.	http://www.rockwellautomation.com/global/support/get-support-now.page
Direct Dial Codes	Find the Direct Dial Code for your product. Use the code to route your call directly to a technical support engineer.	http://www.rockwellautomation.com/global/support/direct-dial.page
Literature Library	Installation Instructions, Manuals, Brochures, and Technical Data.	http://www.rockwellautomation.com/global/literature-library/overview.page
Product Compatibility and Download Center (PCDC)	Get help determining how products interact, check features and capabilities, and find associated firmware.	http://www.rockwellautomation.com/global/support/pcdc.page

Documentation Feedback

Your comments will help us serve your documentation needs better. If you have any suggestions on how to improve this document, complete the How Are We Doing? form at http://literature.rockwellautomation.com/idc/groups/literature/documents/du/ra-du002_-en-e.pdf.

Rockwell Automation maintains current product environmental information on its website at http://www.rockwellautomation.com/rockwellautomation/about-us/sustainability-ethics/product-environmental-compliance.page.

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