



PowerFlex 755T Drives Configured to Order Program Receiving, Handling, and Storage

Catalog Numbers 24G, 24J

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Introduction

This publication provides instructions for receiving, handling, and storing the shipments of a PowerFlex® 755T Drives Configured to Order Program product. The product includes drive bays, and either a configured input bay, a configured output bay, or both. All bays are bolted to wooden skids for shipment. For ease of handling, Rockwell Automation recommends leaving the bays bolted to the skids until moved to the final installation area. Bays must remain in an upright position during handling. For information about location planning and installation, refer to the PowerFlex 755T Drives Configured to Order Program Installation Instructions, publication [750-IN118](#).



ATTENTION: To avoid personal injury or structural damage, never attempt to lift or move a shipment by any means other than the handling methods outlined in this publication. Each shipment may have a different weight distribution. Ensure that a shipment is stable during handling to prevent tipping and injury to personnel. Exercise caution when handling a shipment to ensure that the product is not scratched, dented, or damaged in any manner.

Receiving

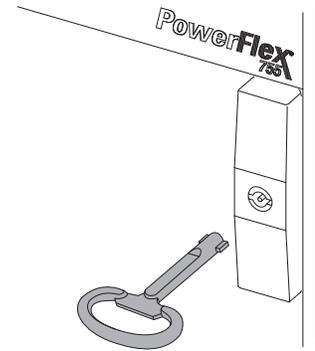
Bays in the PowerFlex 755T Drives Configured to Order Program are shipped upright in one or more shipments, as required. A bay or group of bays that is shipped on a single skid is one shipping section. See [Shipment Configurations and Weights on page 2](#) for details on shipment configurations. Each shipping section is bolted to a shipping skid with removable shipping cleats. The packaging around the shipping section can be either standard packaging or heavy-duty packaging:

- Domestic shipments use standard packaging, which is a clear plastic wrap. Standard packaging is intended to provide protection against dirt and dust, but is not intended to protect against water spray.
- International shipments use heavy-duty packaging. For heavy-duty packaging, each shipping section is covered in a plastic wrap that is suitable for occasional light water spray. A wood crate also surrounds each shipping section. Heavy-duty packaging is not intended for long-term storage.

Standard and heavy-duty packaging are not waterproof or water tight.

Upon delivery of a shipment, refer to the packing slip for sizes and exact shipping weights. The packing slip also lists the items that are included in the shipment. Inspect the shipment for damaged or lost items. If the packaging appears to be damaged, unpack the equipment for further inspection. Open the doors or remove covers and inspect the major components for signs of damage. Bays are equipped with a key-operated door latch (Figure 1). A double-bit door key is taped to the bay door.

Figure 1 - Door Latch and Key



If there is evidence of damage or loss, follow this procedure:

1. Note on the delivery receipt that the equipment being received is damaged.
2. Contact the carrier that made the delivery and schedule an inspection.
3. Inform your local Rockwell Automation representative that the equipment is damaged.
4. Retain all product packaging for review by the carrier.

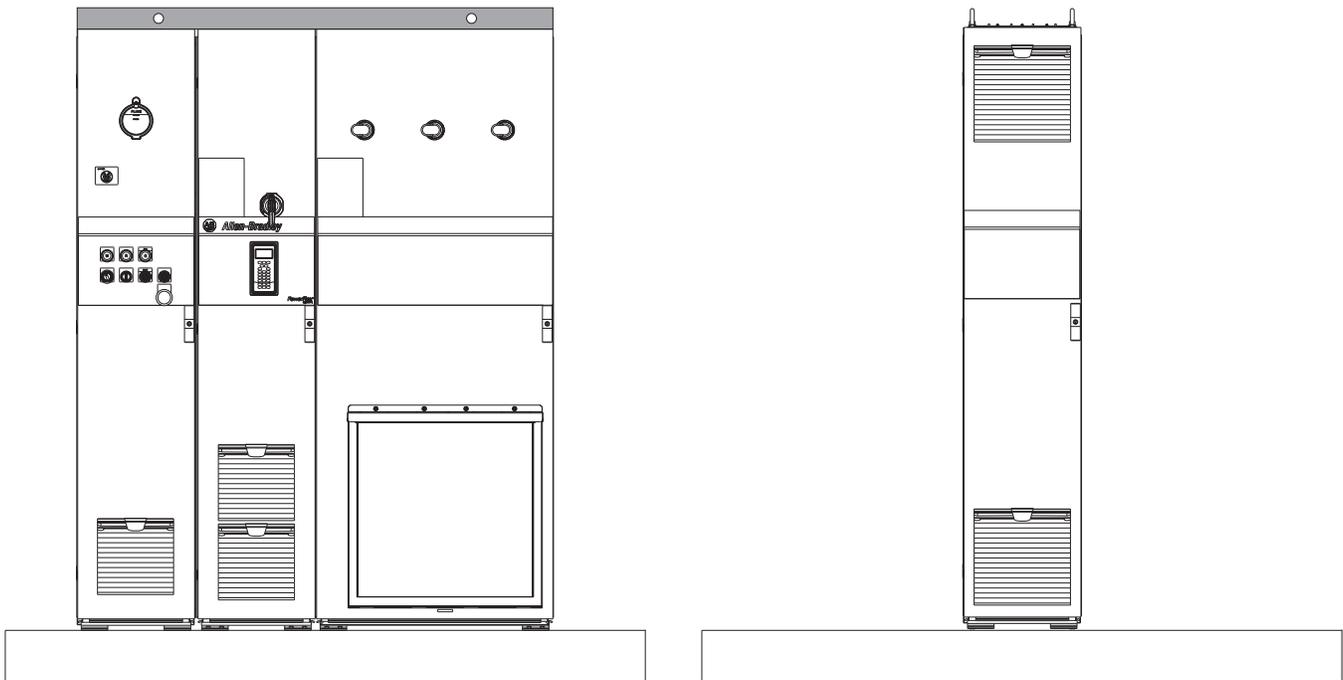
For further assistance, contact your Rockwell Automation representative.

Shipment Configurations and Weights

Your product is shipped as one or more shipping sections, depending on the contents of your order. If you have received multiple shipping sections, refer to the drawing package that came with the shipments to determine how your product is divided. Figure 2 shows an example of a product consisting of a frame 8 configured input bay, drive, and configured output bay. In this situation, the product is shipped in two shipping sections. One shipping section includes the configured input bay attached to the drive bays. The other shipping section is the configured output bay.

The configured input bay and drive bays in Figure 2 are shown without exhaust hoods on the top. Exhaust hoods are shipped detached from the bay to allow for lifting of the bay by crane or hoist.

Figure 2 - Example Shipping Sections



There are two ways to find weight information about your product:

- The weight of a shipping section is provided on the packing slip for that shipping section. You can find the total weight of your product by adding the weights of the shipping sections.
- The approximate weight of each bay or bay group is provided in the following publications:
 - Weights of drive bays are provided in PowerFlex 750-Series Products with TotalFORCE Control Installation Instructions, publication [750-IN100](#).
 - Weights of the configured input bays and configured output bays are provided in PowerFlex 755T Drives Configured to Order Program Installation Instructions, publication [750-IN118](#).

You can find the total weight of your product by adding the weights of the bays.

Handling

When lifting and handling a shipment, follow all applicable local, national, and international codes, standards, regulations, and industry guidelines for safe practices. There are two acceptable methods of handling a shipment within the receiving facility:

- [Transport by Lift Truck on page 4](#)
- [Transport by Crane or Hoist on page 5](#)

Handle bays in the upright vertical orientation. Handling in another orientation can damage internal components or the bay.



ATTENTION: Follow local codes and guidelines and your company safety procedures when handling a shipment. To avoid personal injury and structural damage to the product, do not lift or move the product by any means other than what is described in this publication. The weight distribution may be different for each shipment. For example, some shipments may be more front-heavy than others.

The following guidelines are provided to help avoid personal injury and equipment damage during handling and to help stabilize the product during transport to the installation site.

- Keep the product bolted to the shipping skid to minimize possibility of tipping.
- The factory-installed structural angles must remain secured to the bay during handling. Structural angles provide lift points and help minimize flexing of the bay during handling.
- Handle the product carefully to avoid damage to the bays and paint.
- Keep all bays in an upright position. Bays of frame size 8 and larger are not to be tipped or laid flat during handling.
- Before moving a shipment, verify that the route is clear of all obstructions and that other workers are a safe distance away.

Transport by Lift Truck

Bays are bolted to shipping skids that facilitate transport by a lift truck. To transport by lift truck, use the following procedure.



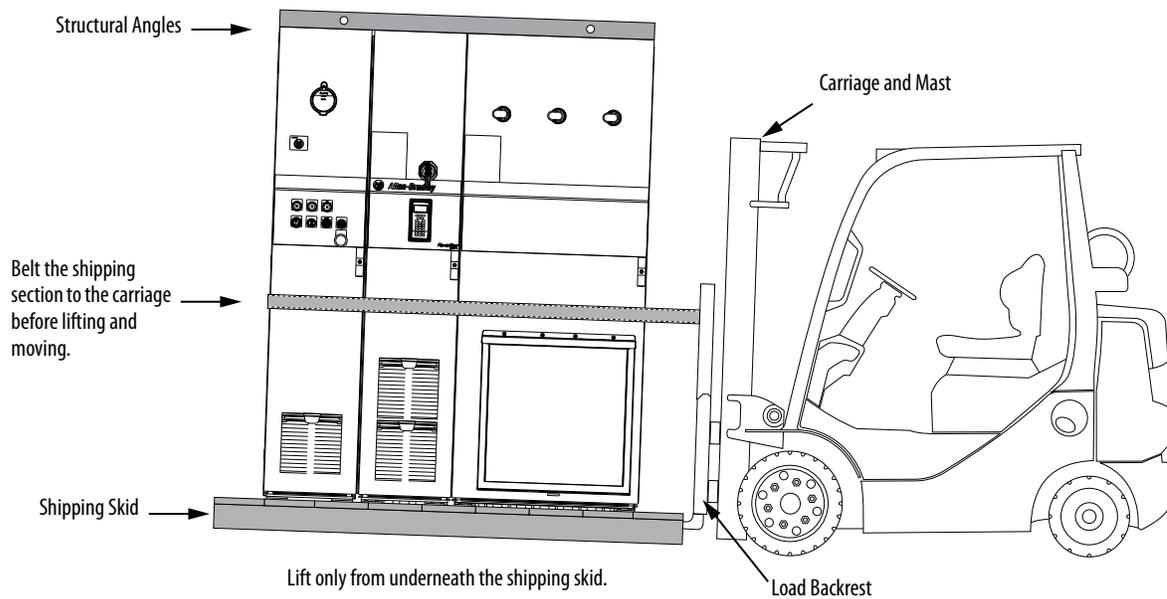
ATTENTION: Verify that the lift truck can handle the weight and size of the shipment safely. The weight of a shipping section can be found on the packing slip that is included with the shipment.

1. Load the shipment onto the lift truck as follows:
 - Position the load on the forks so that the load is balanced and does not tilt. Positioning may need to vary for different shipments because the weight distribution may be different for each shipment. For example, some shipments may be more front-heavy than others.
 - Keep the load against the load backrest of the lift truck. Use a belt to secure the load to the lift truck.
 - Tilt the load a few degrees backward toward the lift truck mast. [Figure 3](#) shows a tilt of approximately 2°.

IMPORTANT The use of a belt is to help prevent the load from slipping forward during a sudden stop. Do not excessively tighten the belt. Belt tension must not bend, buckle, or otherwise distort a bay.

2. Slowly lift the load, only from underneath the shipping skid.
3. Transport the load, ensuring that you start and stop the lift truck gradually and slowly to avoid jerky movements. When traveling with the load, drive slowly with the forks carried as low as possible, consistent with safe operation.

Figure 3 - Example Shipment Ready for Transport By Lift Truck



In [Figure 3](#), the shipment being transported consists of a configured input bay attached to the drive bays on a single skid. This is an example of whatever bay or group of bays a shipping section may consist of. Use the same procedure for whatever type of shipping section you are transporting by lift truck.

Transport by Crane or Hoist

All lifting equipment and components, such as hooks, bolts, lifts, slings, and chains, must be properly sized and rated to lift and hold the weight of a shipment safely. Shipping section weight can be found on the packing slip that is included with a shipment. On some shipping sections, structural angles with lifting holes are factory-installed across the top of the bay or bays. The structural angles allow for lifting of the entire shipping section. Some shipping sections that consist of a single bay have eyebolts factory-installed on top of the bay to allow for lifting of the shipping section. [Figure 4](#) and [Figure 5](#) show structural angle lifting hardware, but all the angles and dimensions apply to eyebolt lifting as well.



ATTENTION: To guard against possible personal injury and/or equipment damage, follow these rules:

- Inspect all lifting hardware for proper attachment before lifting the equipment.
- Do not allow any part of the equipment or lifting device to contact electrically charged conductors or components.
- Do not subject the equipment to high rates of acceleration or deceleration while transporting to the installation site or when lifting.
- Do not allow personnel or any part of their bodies directly underneath the equipment when it is being lifted and mounted.

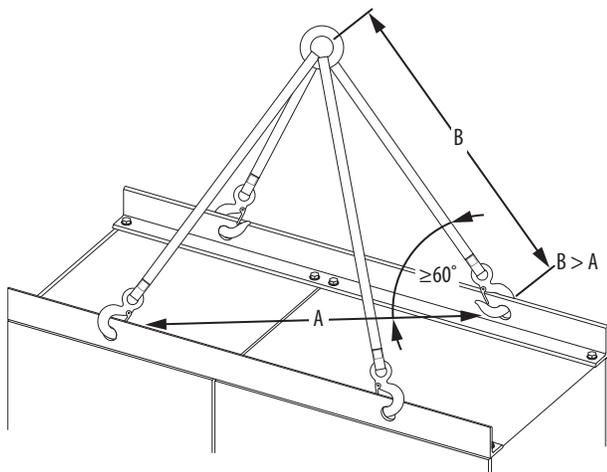
1. Attach the rigging to the overhead crane, hoist, or similar lifting device.



ATTENTION: Do not pass straps or cables through the lifting holes in the structural angles or eyebolts.

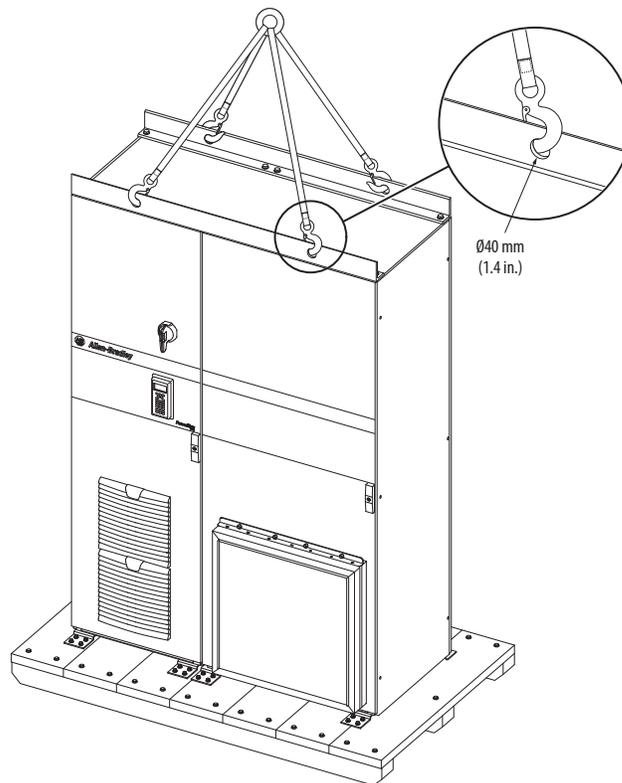
2. Attach the rigging to the structural angles or eye hooks using slings with load-rated hooks or shackles.
3. To reduce tension on the rigging and compression on the structural angles, ensure that the angle between the straps or cables and horizontal plane is $\geq 60^\circ$.
4. Slowly test lift the load a low height off the ground and observe the orientation of the load. Ensure that the load is supported in an upright orientation. If necessary, lower the load to the ground and adjust the rigging lengths to compensate for any unequal weight distribution to achieve an upright orientation.
5. Lift and transport the load, ensuring that you start, move, and stop the load slowly.

Figure 4 - Rigging Configuration for Transport by Crane or Hoist



In [Figure 4](#) and [Figure 5](#), the shipping section being lifted consists of the frame 9 drive input bay and drive main power bay. This is an example of one type of shipping section. Use the same procedure for any shipping section you are transporting by crane or hoist.

Figure 5 - Example Shipment Ready for Transport by Crane or Hoist



Proceed to Installation

Once a shipping section has been transported close to the installation location, refer to the PowerFlex 755T Drives Configured to Order Program Installation Instructions, publication [750-IN118](#). That publication provides information about the next steps of installation, including removing the shipping skids and cleats from the bays.

Storage

Products are wrapped in plastic to help prevent dirt and dust from entering the bay during shipment. If you are going to store the product after you receive it, adhere to the following rules.



ATTENTION: The product is designed for indoor applications and does not have sufficient packaging for outdoor storage. Store the product in a heated building that offers adequate air circulation and protection from dirt and moisture.

- Do not remove the protective plastic wrap.
- Do not store the product outdoors.
- Do not store the product in an area where it is exposed to a corrosive atmosphere.
- Store the product in an area that is clean and dry.
- Store the product in a conditioned building with adequate air circulation.
- Maintain a storage temperature of -40...+70 °C (-40...+158 °F).
- Maintain a relative humidity of 5...95% noncondensing.
- Heating and moisture protection devices must be used if the rate of change in relative humidity and/or ambient temperature can lead to condensation on the stored equipment.
- If the product is stored for a long time, reform the bus capacitors before use. For instructions on how to reform the bus capacitors, visit <http://www.rockwellautomation.com/support>.

Additional Resources

These documents and resources contain additional information that is related to the PowerFlex 755T Drives Configured to Order Program.

Shipped with the Product

A documentation package is shipped with your product. It contains the following:

Resource	Description
Product schematics and drawings	Elevation drawings, wiring schematics
This publication, PowerFlex 755T Drives Configured to Order Program Receiving, Handling, and Storage Installation Instructions, publication 750-IN110	Provides the basic steps to unpack, transport, and store configured input bays and configured output bays used with PowerFlex 755TL drives, PowerFlex 755TR drives, and PowerFlex 755TM bus supplies.
PowerFlex 755T Drives Configured to Order Program Product Information, publication 750-PC108	Provides product information about the configured input bays and configured output bays used with PowerFlex 755TL drives, PowerFlex 755TR drives, and PowerFlex 755TM bus supplies.
PowerFlex 750-Series Products with TotalFORCE Control Product Information, publication 750-PC100	Provides product information about the PowerFlex 755TL drive, PowerFlex 755TR drive, and PowerFlex 755TM bus supply.

Read and understand this documentation before you install and operate the drive. Keep the documentation package for future reference.

Online

These documents and resources are not shipped with the product, but are available online.

Resource	Description
PowerFlex 755T Drives Configured to Order Program Installation Instructions, publication 750-IN118	Provides the basic steps to install configured input bays and configured output bays used with PowerFlex 755TL drives, PowerFlex 755TR drives, and PowerFlex 755TM bus supplies.
PowerFlex 750-Series Products with TotalFORCE Control Installation Instructions, publication 750-IN100	Provides the basic steps to install PowerFlex 755TL drives, PowerFlex 755TR drives, and PowerFlex 755TM bus supplies.
Industrial Components Preventive Maintenance, Enclosures, and Contact Ratings Specifications, publication IC-TD002	Provides a quick reference tool for Allen-Bradley® industrial automation controls and assemblies.

To view or download publications, go to rok.auto/literature.

To access declarations of conformity, certificates, and other certification details, go to rok.auto/certifications.

Rockwell Automation Support

Use these resources to access support information.

Technical Support Center	Find help with how-to videos, FAQs, chat, user forums, and product notification updates.	rok.auto/support
Knowledgebase	Access Knowledgebase articles.	rok.auto/knowledgebase
Local Technical Support Phone Numbers	Locate the telephone number for your country.	rok.auto/phonesupport
Literature Library	Find installation instructions, manuals, brochures, and technical data publications.	rok.auto/literature
Product Compatibility and Download Center (PCDC)	Download firmware, associated files (such as AOP, EDS, and DTM), and access product release notes.	rok.auto/pcdc

Documentation Feedback

Your comments help us serve your documentation needs better. If you have any suggestions on how to improve our content, complete the form at rok.auto/docfeedback.

Waste Electrical and Electronic Equipment (WEEE)



At the end of life, this equipment should be collected separately from any unsorted municipal waste.

Rockwell Automation maintains current product environmental compliance information on its website at rok.auto/pec.

Your comments help us serve your documentation needs better. If you have any suggestions on how to improve our content, complete the form at rok.auto/docfeedback.

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