

2-Post Rack Mount Kit Installation Instructions

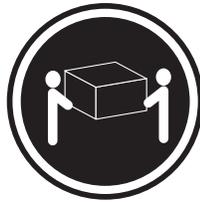
Review the documentation that comes with your rack for safety and cabling information. Before installing your server in a rack, review the following guidelines:

- Three or more people are required to install the device in a rack.
- Use shear plates for any unused U spaces within a rack.
- Connect the BladeCenter™ T Type 8730 unit to a 220-volt power distribution unit (PDU) or to a properly grounded 220-volt power outlet. Connect the BladeCenter T Type 8720 unit to the overhead direct current (dc) power source.
- The BladeCenter T unit is designed to be rack-compatible with NEBS-compliant 2-post racks.

Safety Information, Statement 4



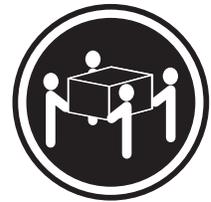
Use safe practices when lifting.



≥18 kg (39.7 lb)



≥32 kg (70.5 lb)

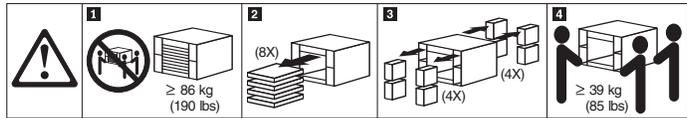


≥55 kg (121.2 lb)

Safety Information, Statement 20



To avoid personal injury, before lifting the unit, remove all the blades, power modules, and blowers to reduce the weight.



Rack Safety Information, Statement 2



DANGER

- Always lower the leveling pads on the rack cabinet.
- Always install stabilizer brackets on the rack cabinet.
- Always install servers and optional devices starting from the bottom of the rack cabinet.
- Always install the heaviest devices in the bottom of the rack cabinet.

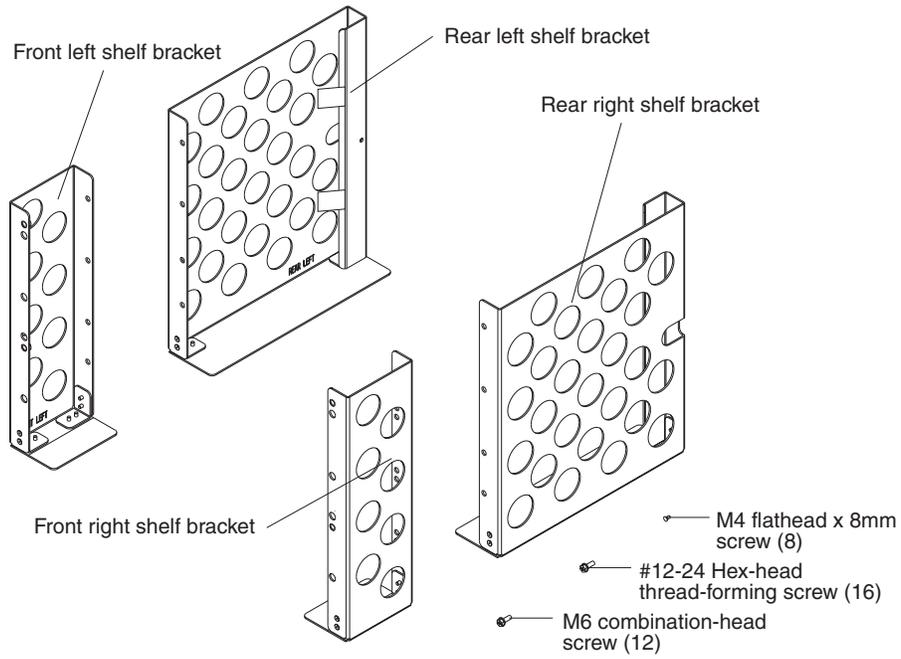
Rack Safety Information, Statement 9

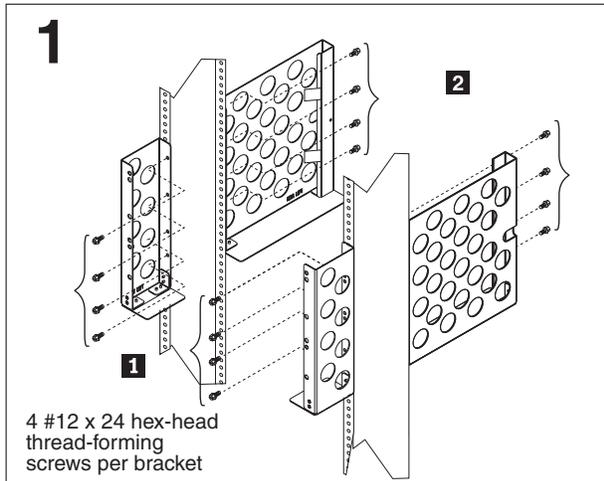


DANGER

Overloading a branch circuit is potentially a fire hazard and a shock hazard under certain conditions. To avoid these hazards, ensure that your system electrical requirements do not exceed branch circuit protection requirements. Refer to the information that is provided with your device for electrical specifications.

The following illustration shows the items that you need to install the server in your rack. If any items are missing or damaged, contact your place of purchase.

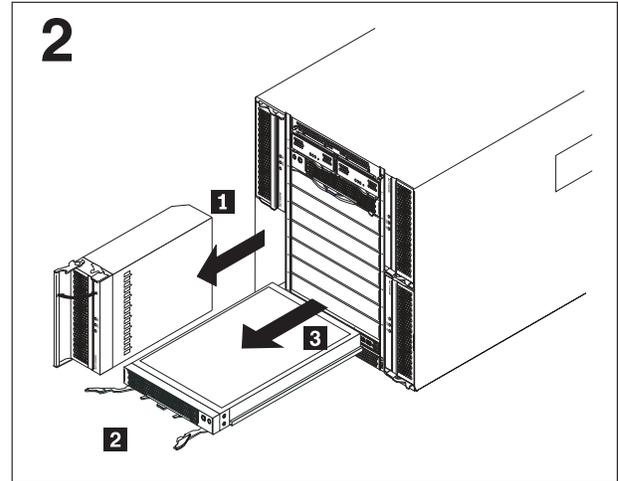




Align the front shelf bracket to the rack flange. Attach the front shelf bracket to the rack flange by installing four #12-24 hex-head thread-forming screws **1** into the rear of the bracket.

Horizontally align the remaining front shelf bracket to the previously installed bracket and repeat the step.

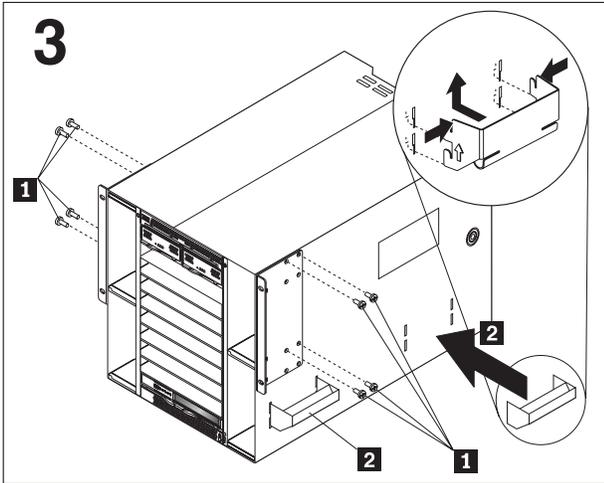
Repeat for the left and right rear shelf brackets **2**.



Note: If installing a preconfigured BladeCenter T unit, label the blade servers and BladeCenter T unit bays to ensure that you reinstall the blade servers in the intended bays. Reinstalling a blade server into a bay different from the one from which it was removed could have unintended consequences. Some configuration information and update options are established according to bay number.

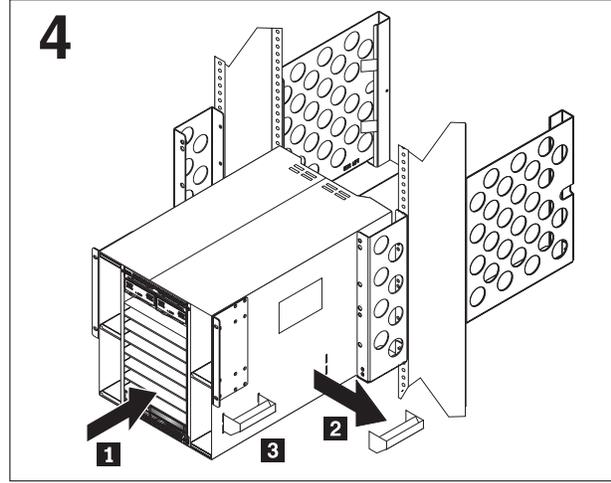
Remove the bezel assembly (if not already removed), blade servers, power modules, and blowers from the BladeCenter T unit. (See the *BladeCenter T Types 8720 and 8730 Installation and User's Guide* for removal procedures.)

Place the equipment in a safe place.



Attach the two mounting brackets to the sides of the unit by installing eight M4 flathead x 8mm screws **1**.

Insert the four lift handles into the slots in the BladeCenter T unit, located on the bottom half of each side **2**.

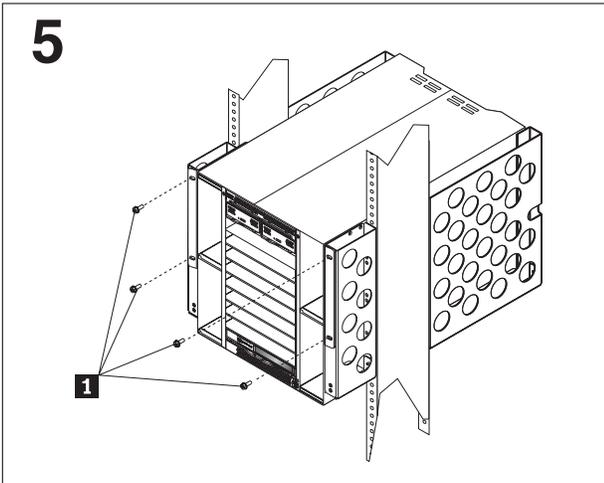


Carefully lift and place the rear edge of the unit on the front shelf brackets. Slide the unit along the shelf brackets until the rear lift handles are close to the front brackets **1**.

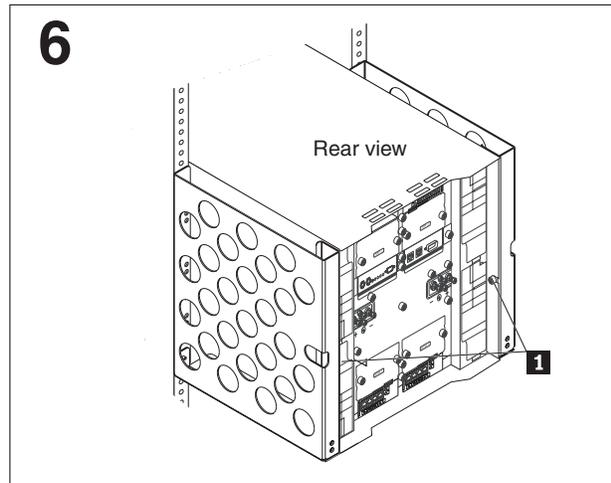
With the unit properly seated on the shelf brackets, securely hold the front of the unit; then, remove the rear set of lift handles **2**.

Continue to slide the unit into the rack until the front handles reach the front brackets. Remove the front lift handles from the unit **3**.

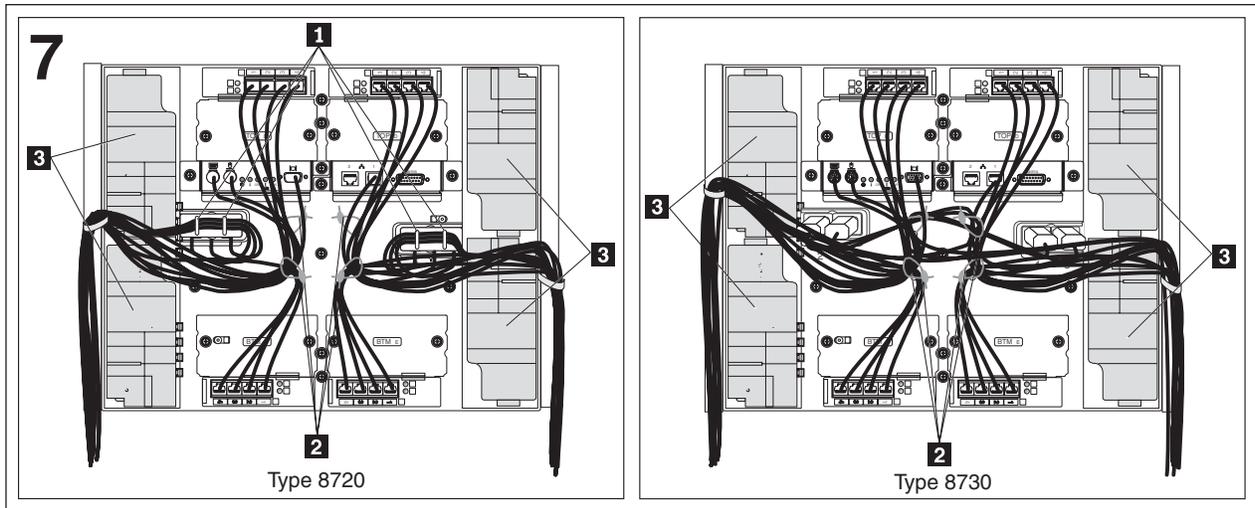
Completely slide the unit into the rack.



Insert two M6 combination-head screws into each mounting bracket to secure the unit to the front shelf brackets **1**.



From the rear of the rack, secure the two captive screws, located in each blower bay, to the rear shelf brackets **1**. Reinstall the blowers in the BladeCenter T unit. (See the *BladeCenter T Types 8720 and 8730 Installation and User's Guide* for installation procedures.)



Attach the power cords and other cables to the rear of the BladeCenter T unit. (For details about connecting the dc-power cables, see the *BladeCenter T Types 8720 and 8730 Installation and User's Guide*.) If installing Type 8720, route the power cables through the cable ties on the dc-power cover **1**; then, route all the cables as shown in the illustration.

Use the cable ties on the rear of the chassis **2** and any additional cable ties and cable straps to secure the cables together and to the rear shelf brackets.

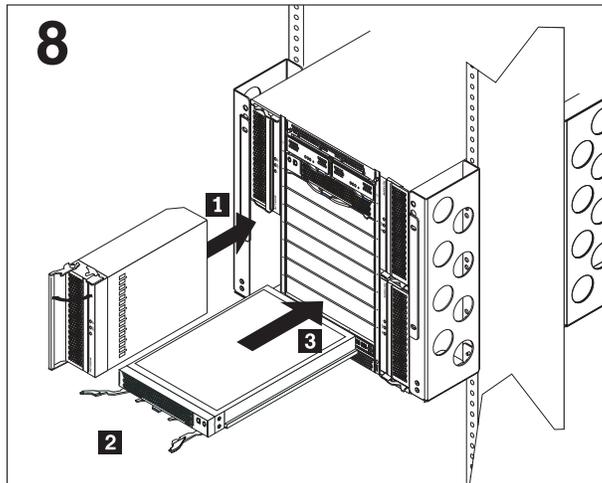
Notes:

1. Allow slack in all cables to avoid tension in the cables and to allow you to remove adjacent modules without uncabing the BladeCenter T unit.
2. As you route the cables to the rack flanges or adapter brackets, avoid covering or shielding the blowers' airflow exhaust areas **3**.

System power redundancy: To maintain power redundancy at the system level, connect the power modules as follows:

Note: See "Rack Safety Information, Statement 9" prior to connecting the power module power cords to power sources.

- Connect the power modules in bay 1 (and bay 3 if applicable) to one building power source or service entrance.
- Connect the power modules in bay 2 (and bay 4 if applicable) to a separate building power source or service entrance.



Carefully reinstall the power modules **1** , blade servers **3** , and bezel assembly in the BladeCenter T unit. (See the *BladeCenter T Types 8720 and 8730 Installation and User's Guide* for installation procedures.)

Notes:

1. Make sure the release levers on the blade servers are in the open position **2** before you slide them into the BladeCenter T unit.
2. If the unit was preconfigured, make sure to reinstall each blade server into the same bay from which it was removed.

To remove the BladeCenter T unit from the rack, reverse these instructions. Store this information with your BladeCenter T documentation for future use.

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