Frequently Asked Questions

T-SERIES STEELFRAME CABINET

Q. What are the differences between the T1- and T2-style T-Series SteelFrame Cabinets?

A. The differences are the overall width of the cabinet frame and the amount of cable management space along both sides of the cabinet. The T1 cabinet is 24" wide (610 mm) and will fit within a 24" wide (610 mm) access floor tile. There is approximately 1" (25 mm) of cable management space along both sides of the cabinet. The T2 cabinet is 27.3" wide (693 mm) and will overlap a 24" wide (610 mm) access floor tile, but has approximately 3" (75 mm) of internal cable management space along both sides of the cabinet. Both cabinets include two pairs of 19" wide EIA-310-D equipment mounting rails that are centered within the frame. Both cabinets also include a vertical cable manager, but the T2 Vertical Cable Manager (P/N 12465-X0X) has larger cable rings than the T1 Narrow Vertical Cable Manager (P/N 11809-X0X).

Q. What are the differences between the standard T-Series SteelFrame Cabinet and the cabinet with a Vertical Exhaust Duct?

A. The differences are the top panel style and the number of cabinet depths. The standard T-Series SteelFrame Cabinet is available in five depths. The standard top panel is vented with six cable access ports and accepts an accessory Fan Kit (P/N 12724-70X). The high-density T-Series SteelFrame Cabinet with Vertical Exhaust Duct is available in two depths. The top panel is solid with five cable access ports and a large opening near the rear for the Vertical Exhaust Duct. Customers should choose the standard cabinet for general use and to support front-to-rear airflow in support of traditional hot aisle/cold aisle applications. Customers should choose the high-density cabinet with a Vertical Exhaust Duct to help isolate hot exhaust air from the room when the plenum space above the drop ceiling is used to return hot air to the air handling equipment.

Q. Is the bottom of the cabinet open or closed?

A. The bottom of the cabinet is open to allow cable access through an access floor. A Bottom Panel Kit (P/N 14274-X0X) is available as an accessory for cabinets manufactured after May 2009 that are 39" (990 mm) or 44" deep (1120 mm).

Q. Does the cabinet come with leveling feet?

A. Yes, but they require installation after the cabinet is removed from the shipping pallet.

Q. Does the cabinet include clamps for attaching the leveling feet to the floor?

A. No, Floor Attachment Clamps are not available for the T-Series SteelFrame Cabinet.

Q. What is the weight bearing capacity?

A. 2,000 pounds (907.2 kg) with or without casters.

Q. Does the cabinet include a baying kit?

A. Yes, each cabinet includes a baying kit and can be bayed side-by-side with another frame only, standard or high-density cabinet that is the same height and depth. There are holes in the sides of the cabinet frames located near the corners of the frames that are used to bolt the cabinets together. One side panel can be used between cabinets for security or airflow management. If the side panel is omitted, a T2-style cable manager can be used in between two T1 cabinets that are bayed together.

Q. Does the T-Series SteelFrame Cabinet come partially assembled?

A. No, the cabinet is a welded steel cabinet and only ships fully assembled.

Q. Do the equipment mounting rails include RMU markings?

A. Yes, there are RMU marks on the square-punched and on the tapped equipment mounting rails.

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Q. Do the T1 cabinets and T2 cabinets have different RMU space capacity?
A. The different width T-Series SteelFrame Cabinets have the same number of RMU.

Q. How do you configure a T-Series SteelFrame Cabinet for front-to-rear airflow in support of a hot aisle/cold aisle environment?
A. Select a standard T-Series SteelFrame Cabinet with perforated front and rear doors and side panels. Add an Air Dam Kit to seal the space between the equipment mounting rails and the top, sides and bottom of the cabinet frame, and place Snap-In Filler Panels (P/N 34537-000) in each open (unused) RMU space. The perforated front doors allow air to flow front-to-rear through the cabinet. The Air Dam Kit and Snap-In Filler Panels block front-to-rear airflow around equipment, cause cold air that enters the front of the cabinet to pass through equipment and keep hot exhaust air at the rear of the cabinet. If the cabinet is placed on leveling feet or casters, add a Bottom Panel Kit (P/N 14274-X0X) to seal the bottom of the cabinet.

Q. How do you configure a T-Series SteelFrame Cabinet for front-to-top airflow to isolate hot exhaust air from the room?
A. Select a high-density T-Series SteelFrame Cabinet with a Vertical Exhaust Duct, perforated front door, solid sealed rear door and side panels. This cabinet includes an Air Dam Kit. Place Snap-In Filler Panels (P/N 34537-000) in each open (unused) RMU space. Add a Bottom Panel Kit (P/N 14274-X0X) if the cabinet is placed on leveling feet or casters. Air enters the cabinet through the perforated front door. The Air Dam Kit and Snap-In Filler Panels seal the space between the front door and equipment so cold air passes through equipment and hot air does not re-circulate around equipment. The side panels, rear door and Bottom Panel Kit keep hot air at the rear of the cabinet so that it does not enter the room. The Vertical Exhaust Duct isolates and guides hot air away from the cabinet and into the plenum space above the drop ceiling where it is returned to the air handling equipment.

Q. Can you add fans to the T-Series SteelFrame Cabinet?
A. Yes, you can add fans to standard T-Series SteelFrame Cabinets but not to high-density cabinets with Vertical Exhaust Ducts. On standard cabinets, there is a location on the top panel of cabinets that do not include the Vertical Exhaust Duct for a top-mount Fan Kit (P/N 12724-70X). There are also two options for rear fan doors: a Standard Fan Door (P/N 13224-XXX) with fixed speed fans and an Intelligent Fan Door (P/N 13214-XXX) with temperature-controlled variable speed fans. Note that the fan doors have locking, push-button latches, not swing handles.

Q. Are the T-Series SteelFrame Cabinets pre-drilled to accommodate J-Hooks for installing cable pathway products?
A. No, except for the high-density T-Series SteelFrame Cabinet with Vertical Exhaust Duct which includes attachment points for 12" wide (300 mm) Cable Runway at the front of the cabinet.

Q. Is the T-Series SteelFrame Cabinet available in a clear finish?
A. No. It is only available in gray, computer white, and black textured powder coat finishes.

Q. Can the top panel of a T-Series SteelFrame Cabinet be removed?
A. No, the top panel on the cabinet is a part of the welded frame.

Q. Can a standard T-Series SteelFrame Cabinet be upgraded with the Vertical Exhaust Duct in the field?
A. No, the top panel on the standard T-Series SteelFrame Cabinet is welded onto the frame and can not be changed. Also, the standard cabinet does not have an opening to allow airflow into the Vertical Exhaust Duct.

Q. Is the top panel on a frame-only unit different than the top panel on a cabinet?
A. The frame-only top is open. However, an access top panel (P/N 12880-XXX) is available. It has a vent and six cable access ports.

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Q. Are the doors flush-mounted or surface mounted?
A. All T-Series SteelFrame doors are surface mounted.

Q. What is the maximum door swing for the door options?
A. The curved perforated or solid front door has a 130° swing when bayed to an adjacent cabinet and a 155° swing when the cabinet is not bayed. All other door options have a 180° swing.

Q. How is the door swing reversed?
A. The door is easily removed by removing two readily accessible hinge pins. The hinges and door latch need to be removed and located on the other side of the door opening. The door is easily re-hung and the hinge pins re-inserted. The CPI logo label is re-usable so it can be removed and relocated to its proper location at the top of the door.

Q. In May 2009, the push-button latch on the door was replaced by a swing handle latch. Can doors that have a swing handle latch be used on cabinets manufactured before May 2009?
A. Yes, T-Series SteelFrame doors that have a swing handle latch can be used on cabinets manufactured before May 2009. Likewise, doors that have a push-button latch can be used on cabinets manufactured after May 2009. The door sizes, door hinges and the locations of the door hinges have not changed. The latch plate (the bracket that secures the door on the handle side) is different for the push-button latch and swing handle latch, but the appropriate latch plate is included with each door/latch when ordered as a service part.

Q. The double door was not available as an option for the T-Series SteelFrame Cabinet before May 2009. Can the double door be used on cabinets manufactured before May 2009?
A. You may be able to add double doors to your cabinet if the frame includes the necessary provisions for adding the required brackets. If the cabinet frame includes a series of four clearance holes at the mid-point of each horizontal frame member (top and bottom of the frame, front and rear), the frame will accept this upgrade. Contact Technical Support for assistance in verifying these provisions prior to placing and order for service parts.

Q. How many full height pairs of mounting rails can be installed in a T-Series SteelFrame Cabinet?
A. Every cabinet comes standard with two pair of mounting rails, either tapped 12-24 or square-hole punched, depending on the part number. In addition, each cabinet comes with enough captured hardware to install another full two pair of mounting rails, for a total of four pairs.

Q. What sizes are available?
A. The T-Series SteelFrame Cabinets come in two heights (78" and 84") and five useable depths (22.6", 30", 36", 39" and 44"). It is available in only a 19" equipment mounting width, a 24" floor tile overall width and a 27.3" cable management width.

Q. Is there a true "front" and "rear" to the T-Series SteelFrame Cabinet?
A. On a high-density T-Series SteelFrame Cabinet with a Vertical Exhaust Duct, the duct must be located at the rear of the cabinet. The front door will always be perforated (mesh) and the rear door will always be solid. On a standard T-Series SteelFrame Cabinet, the top panel has four cable openings (two per corner) at the rear of the cabinet and two cable openings (one per corner) at the front of the cabinet. However, the doors can be easily switched, so the cabinet can be oriented so that either side is the front or rear.

Q. What is the T-Series SteelFrame Grounding and Bonding Kit?
A. The kit includes a grounding lug, four #12 green wires terminated for easy installation, and assorted fastening hardware. There is a hole in the bottom frame inside the front and rear doors where the grounding lug can be mounted. There is a hole in the frame and the adjacent side panel where pan machine screws and nuts will attach the green bonding wires. A self drilling screw will attach a wire to the door frame. This will bond both doors and side panels to the frame.