

Installing the Exhaust Duct Kit

Sufficient ventilation is required around the Christie CP4325-RGB projector to regulate the temperature of the internal laser module.

The installation site must provide an airflow 450 cubic feet per minute (CFM) at 1 to 1000 meters elevation, and must accommodate a heat load of 4 kW. If the site does not meet these requirements, install the exhaust duct kit.



For each additional 1000 meters above sea level, increase the airflow (CFM) value by 15%, to a maximum of 3000 meters.

The exhaust duct kit is an optional accessory, providing an interface between the air exhaust on the projector and the ventilation system at the facility. This helps minimize room heat load during normal operation.

Affected products

The following products are affected.

- Christie CP4325-RGB (P/N: 163-001102-XX)

Prerequisites

The following components are required.

- Exhaust duct kit (P/N: 163-102104-XX)
- Heat extractor kit (P/N: 38-814008-XX), or extraction system with minimum 500 cubic feet per minute (CFM) extraction rate adapted to 8 in duct

Required tools

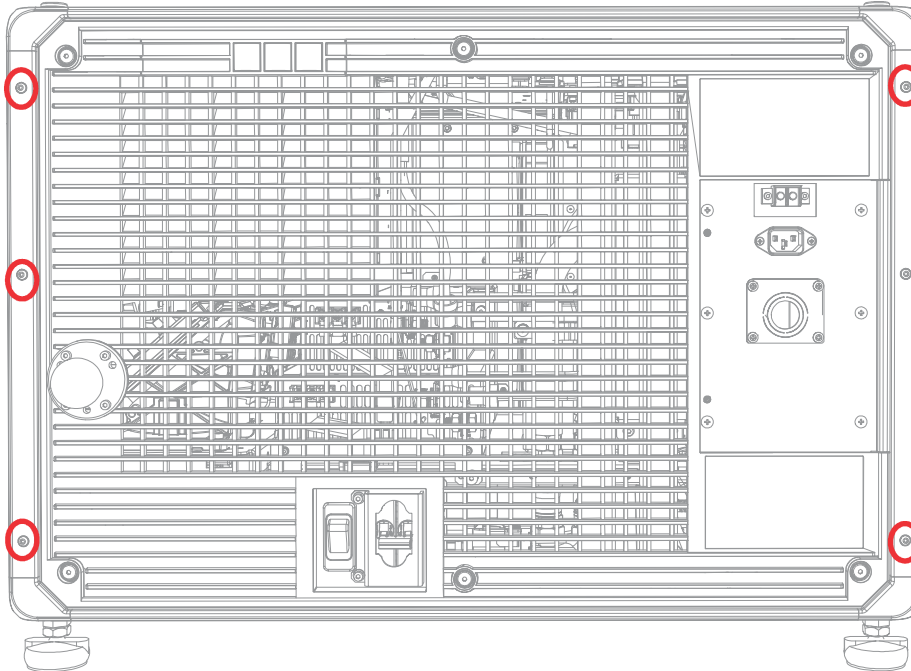
Before servicing, ensure the following tools are available (provided in the projector's toolbox).

- 2.5 mm hex screwdriver
- 3 mm hex screwdriver
- 5 mm hex screwdriver

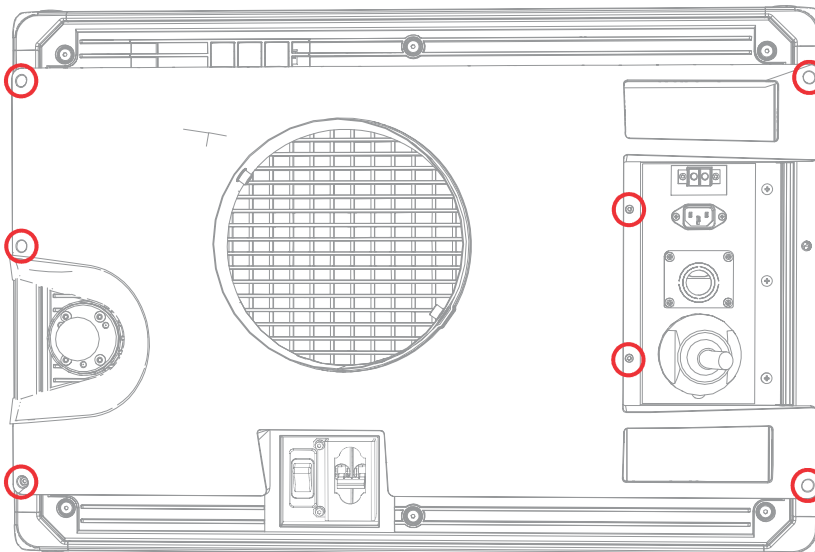
Installing the exhaust duct

Complete the following procedure to install the exhaust duct.

1. Using a 2.5 mm hex screwdriver, remove the five M4 screws from the rear frame of the projector, as shown in the following image.



2. Position the exhaust duct around the touch panel mount and AC receptacle, aligning it with the exposed screw holes on the projector frame.



3. Using a 3 mm hex screwdriver, tighten the seven captive screws, including the five captive screws on the projector frame and the two captive screws on the AC receptacle.

4. If using a Christie Heat Extractor kit (P/N: 38-814008-XX), connect it using a 5 mm hex driver, the provided M6 screws, and the two inserts on the metal sleeve.
For detailed information, refer to the instructions provided with the heat extractor kit.
5. To use an alternate heat extractor, connect a standard Ø8" HVAC duct to the exhaust duct flange by drilling through both tubes, and installing self-tapping screws. Any required screws, drill bits or gaskets are not provided in this accessory kit.

Technical support

Technical support for Christie products is available at:

- North and South America: +1-800-221-8025 or Support.Americas@christiedigital.com
- Europe, Middle East, and Africa: +44 (0) 1189 778111 or Support.EMEA@christiedigital.com
- Asia Pacific: +65 6877-8737 or Support.APAC@christiedigital.com
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