

CRAY T94 MAINFRAME CHASSIS SITE PLANNING AND PREPARATION

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Specifications

The CRAY T94 mainframe chassis is a dielectric-cooled computer that contains many electronic components such as logic modules and power supplies.

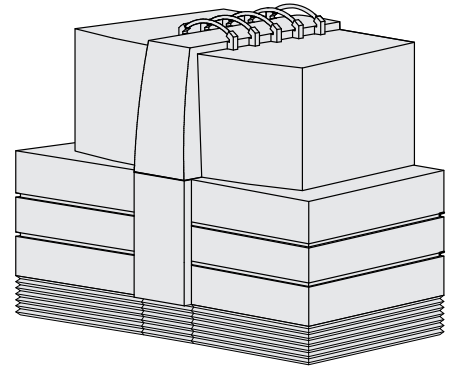
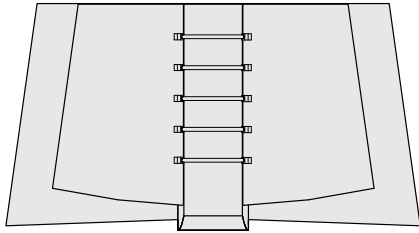
Table 1 provides the specifications for the CRAY T94 mainframe chassis. Refer to Figure 1 for an illustration of the CRAY T94 mainframe chassis.

Table 1. CRAY T94 Mainframe Chassis Specifications

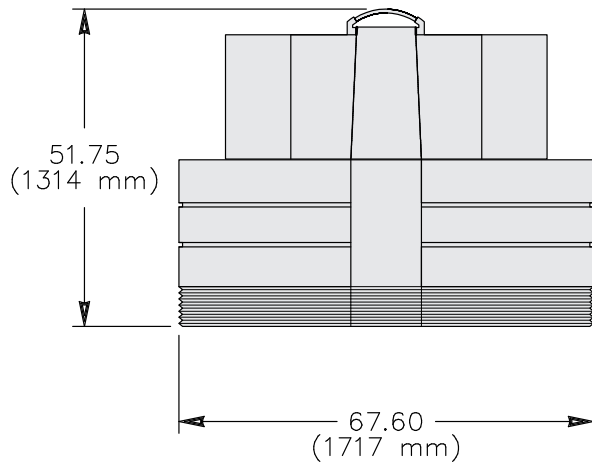
Characteristic	Specification
Height	51.75 in. (1,314 mm)
Width	67.60 in. (1,717 mm)
Depth	37.00 in. (940 mm)
Weight	3,854 lbs (1,748 kg)
Access requirement	36.00 in. (914 mm) on all sides
Cooling requirement	Dielectric coolant
Heat dissipation to air	Negligible
Input voltage provided by the HVDC-40	Two 330-Vdc power circuits Two 120-Vac circuits
Input wiring connections	Cray Research-provided receptacles

Figure 1. CRAY T94 Mainframe Chassis

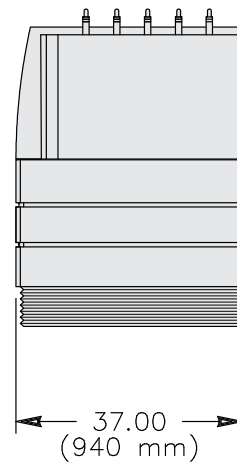
Plan View



Front View



Side View



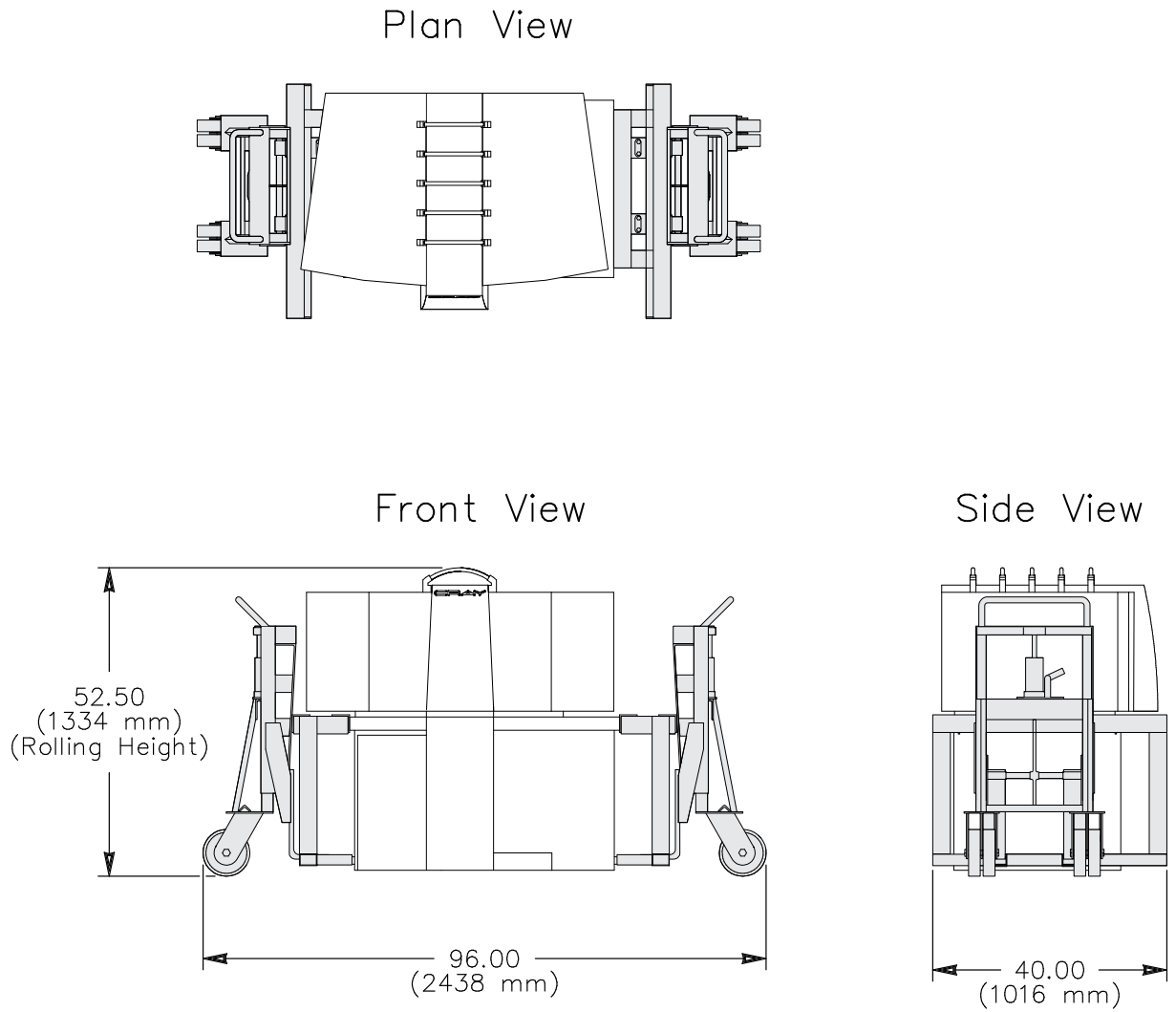
Shipping Configuration

The CRAY T94 chassis is shipped as a single unit on Cray Research-provided lifts. Table 2 provides the CRAY T94 chassis shipping configuration specifications. Refer to Figure 2 for an illustration of the CRAY T94 mainframe chassis shipping configuration.

Table 2. CRAY T94 Chassis Shipping Configuration Specifications

Characteristic	Specification
Height	52.50 in. (1,334 mm)
Width	96.00 in. (2,438 mm)
Depth	40.00 in. (1,016 mm)
Weight	2,296 lbs (1,041 kg)

Figure 2. CRAY T94 Mainframe Chassis Shipping Configuration



Floor Preparation

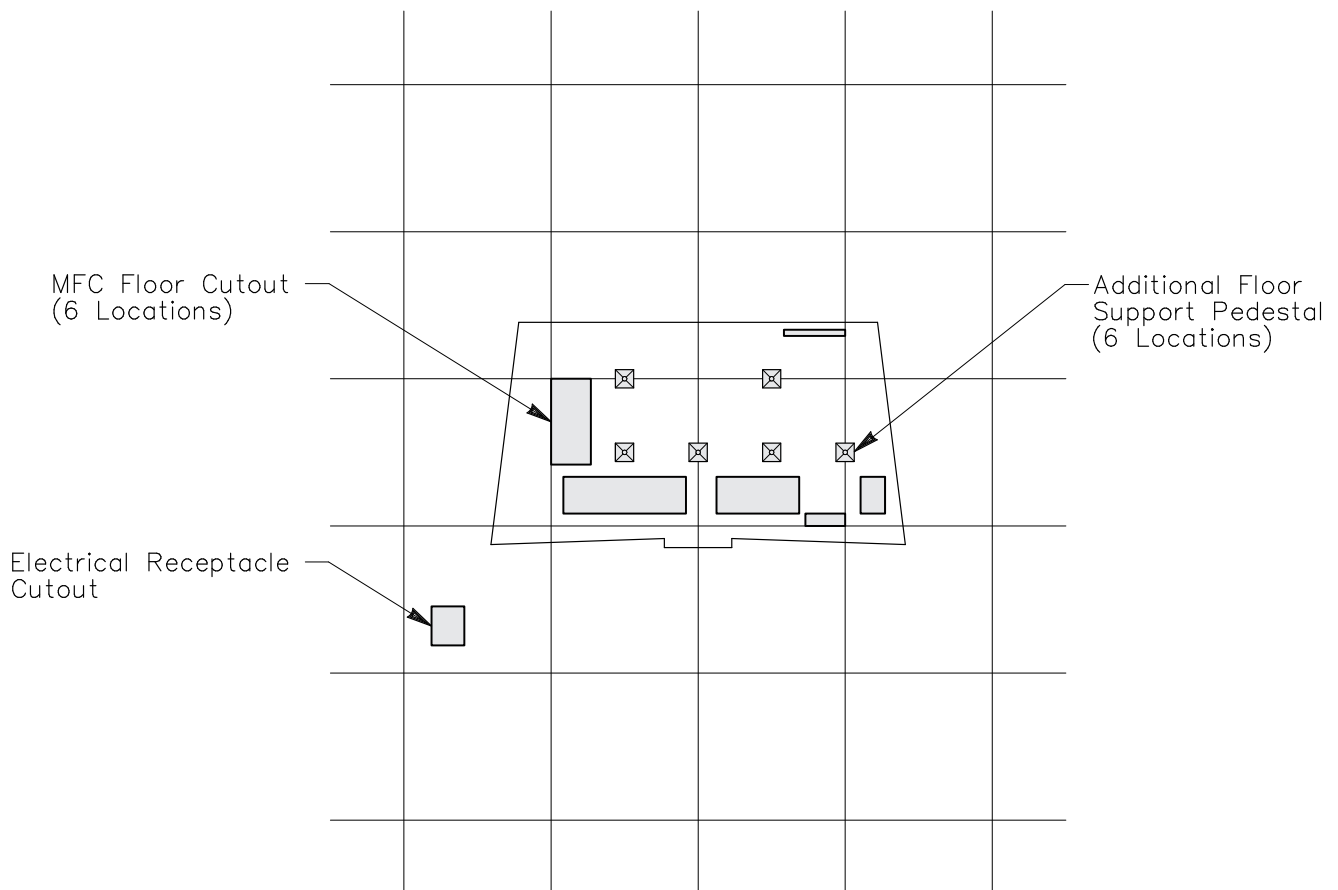
Prior to system delivery, you must prepare the raised floor for the CRAY T94 chassis installation. Cray Research recommends a minimum clearance of 18 in. (457 mm) between the subfloor and the underside of the raised-floor panels. Cray Research site planning personnel must review clearances of less than 18 in. (457 mm).

You must also prepare the seven floor cutouts and install the six additional floor support pedestals. Floor cutouts provide an opening for data, power, and dielectric-coolant connections. These floor cutouts must be free of sharp edges and burrs to prevent damage to system connections.

NOTE: Cray Research provides full-scale templates that show the chassis floor cutouts and the floor support pedestal locations.

Refer to Figure 3 for an illustration of the seven floor cutouts and the six additional floor support pedestal locations for the CRAY T94 chassis.

Figure 3. CRAY T94 Floor Cutouts and Additional Floor Support Pedestal Locations



Power Wiring Requirements

You must provide and install the following power wiring for the CRAY T94 mainframe chassis:

- Two 330-Vdc, 100-A circuits from the 40 kW high-voltage DC (HVDC-40) cabinet to the mainframe chassis. Recommended wire size is #2 AWG (35 mm²).
- One 120-Vac, 50/60-Hz, single-phase, 10-A circuit from the HVDC-40 to the mainframe chassis for control power. Recommended wire size is #14 AWG (2.5 mm²).
- One 120-Vac, 50/60-Hz, single-phase, 10-A circuit from the HVDC-40 to the Cray Research-supplied, flush-mounted floor receptacle. Recommended wire size is #14 AWG (2.5 mm²).
- Cray Research supplies the mainframe receptacles. Contact your site planning representative to arrange for the shipping of these receptacles to your site.