

GE Revolution EVO CT – Site Planning Guide

1. Room Dimensions & Layout

The GE Revolution EVO CT system requires a well-planned layout to accommodate the scanner, control room, and ancillary equipment. While specific dimensions can vary based on facility design, it's crucial to ensure sufficient space for:

- Scanner Gantry and Patient Table
- Operator's Console
- Power Distribution Units (PDU)
- Uninterruptible Power Supply (UPS)
- Storage Cabinets

For detailed architectural layouts and equipment placement, refer to GE Healthcare's project management documentation, which includes renderings and equipment schedules for the Revolution EVO CT systems.

2. Electrical & Cooling Requirements

The system's components have specific electrical and cooling needs:

Power Specifications:

- Voltage: 400–480V, 3-phase
- Frequency: 50/60 Hz
- Typical Current: 40–60 Amps depending on configuration
- Cooling Requirements:
- Adequate HVAC systems must be in place to manage the heat output from the equipment.

3. Radiation Shielding

Compliance with local, state, and federal radiation safety regulations is mandatory. This includes appropriate shielding in walls, doors, and observation windows to protect staff and patients from unnecessary exposure.

4. Workflow & Patient Safety

Efficient patient flow and safety are paramount:

- Clear Signage: To guide patients and staff
- Emergency Exits: Easily accessible and unobstructed
- Infection Control: Materials and finishes that support cleanliness