

Siemens Biograph mCT 64/128 Site Requirements

Power Requirements (Imperial Format)

- CT Generator Power: 80 kW or 100 kW (depending on configuration)
- Main Power Supply: Typically 480V or 208V, 3-phase, 60 Hz (U.S. standard)
- Requires a dedicated power distribution unit (PDU)
- Emergency Power-Off (EPO) switch required for safety

Environmental Requirements

- Room Temperature: Maintain 68°F to 75°F (Fluctuation should not exceed $\pm 2.7^\circ\text{F}$ per hour)
- Relative Humidity: 30% to 70% (non-condensing)
- Room Pressure: Maintain 22.1 to 31.3 inHg (750–1060 mbar)
- Cooling / Heat Output: Equipment heat output is approximately 15,000 BTU/hr
- Ventilation: At least 6 air changes per hour recommended

Room Layout (Typical Minimum)

- Gantry Room:
 - Minimum Size: ~24 ft (L) x 15 ft (W) x 9 ft (H)
 - Table Travel Clearance: At least 6 ft in front and back of the gantry
- Operator/Console Room:
 - Recommended Size: ~10 ft x 8 ft
- Doorway Clearance: At least 36 in (width) to accommodate components