

GE Discovery IQ PET/CT Site Guide

Room Layout & Dimensions

Minimum Scanner Room Size: 24 ft x 15 ft x 9 ft

Gantry Aperture: 70 cm (~27.5 inches)

Patient Table Weight Limit: 500 lbs (227 kg)

Control Room: 9 ft x 10 ft

Power Requirements

Main Power: 400–480 VAC, 3-phase, 50/60 Hz

Power Consumption: ~85 kVA

Dedicated Panel: Required

UPS Recommended for Console & Storage

Surge Protection: Mandatory

Environmental Requirements

Temperature: 68°F – 75°F (20°C – 24°C)

Humidity: 30% – 70%, non-condensing

Air Changes: ≥6/hour

Heat Output:

- - Gantry & Electronics: ~24,000 BTU/hr
- - Console Room: ~4,000 BTU/hr
- - Total HVAC Load: ~28,000 BTU/hr

Radiation Shielding

Consult a licensed radiation physicist to ensure compliance with local regulations.