

Mobile Full Body 32-Slice CT Scanner

BodyTom[®] Elite

Bringing the power of
imaging to your patients



BodyTom® Elite

Installation Requirements

Phase	Single
Voltage	90 - 264 VAC
Frequency	47 - 63 Hz
Battery Capacity	Fully Charged - 12 hours (typical)
Typical Usage	120 V/20 A - 240 V/30 A (dedicated)
Noise	60 dBA (1 meter distance from scanner bore) 65 dBA (scanner bore)

Site Requirements

Operating Temperature	15 °C to 35 °C
Storage Temperature	-25 °C to 70 °C
Operating Altitude	0-3010 m (0-10,000 ft)
Operating Humidity Condensing	20 - 80 % non-condensing
Floor Flatness	<+/- 0.120 inch (3 mm) per 10 ft

Geometry

Patient Opening	85 cm
Scanned Image Field of View	60 cm

X-ray Generation

X-ray Tube Voltage	80, 100, 120, 140 kV
X-ray Tube Current	50 - 300 mA
Focal Spot Size	Large: 1.2 mm x 1.4 mm Small: 0.7 mm x 0.8 mm
Power Supply	42 kW
Heat Capacity	3.5 MHU

X-ray Detection

Detection System	Solid-state detectors
Main Detector	32 Rows

Axial

Rotation Time	1 sec, 2 sec
Max. Scan Range	900 mm (90 cm)
Coverage	8 x 1.25 mm

Helical

Rotation Time	1 sec
Max. Scan Range	2,000 mm (200 cm)
Coverage	32 x 1.25 mm
Max. Scan Time	60 sec
Helical Scan Pitch	0.4, 0.8

Dynamic

Rotation Time	1 sec
Scan Range	40 mm (4 cm)
Scan Time	60 sec

Image Reconstruction

Reconstruction Matrix	512 x 512
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Image Field of View

Reconstructed Field of View	50-60 cm
Number of Images per second	16 images/second

Connectivity

Gigabit ethernet/wireless (A/B/G/N)
DICOM 3.1 compliant
Compatible with surgical navigation, HIS, RIS, PACS

Image Quality

Document provided upon request

Safeguards

Meets ACR IQ and dose standards for ABD and head scans
Dose display prior to scan
Secure log-in
Admin privileges needed to change protocol
Excessive dose lockout
Dose reporting/auditing

Dimensions

Height: 79 in (199 cm) Scan Mode
Height: 81 in (205.7 cm) Transport Mode
Length: 101 in (265.5 cm)
Width: 41 in (104 cm)
Weight: 3510 lbs (1592 kg)



For More Information
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