

TECHNICAL SPECIFICATIONS

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:	-20 °C to 60 °C
Operating Altitude:	0-3010 m (0-10,000 ft)
Operating Humidity:	20 - 80 % non-condensing
Floor Flatness:	<+/- 0.120 inch (3 mm) per ft

Geometry

Patient Opening:	85 cm
Image Field of View:	60 cm

X-ray Generation

X-Ray Beam Shape:	Cone Beam
X-Ray Tube Voltage:	80, 100, 120, 140 kV
X-Ray Tube Current:	0 - 300 mA
Focal Spot Size:	(1.2 mm x 1.4 mm)/(0.7 mm x 0.8 mm)
Power Supply:	42 kW
Heat Capacity:	3.5 MHU

X-Ray Detection

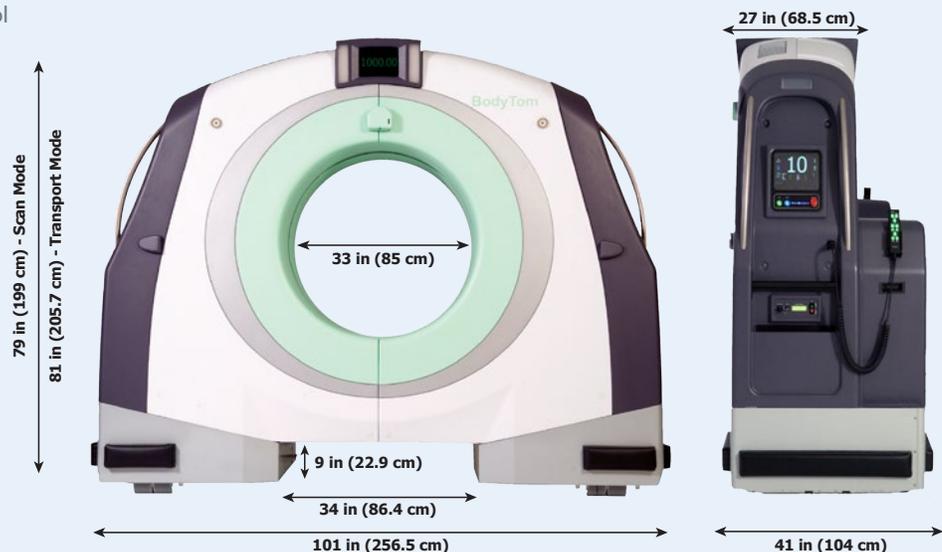
Detection System:	Solid-State Detectors 32 Rows
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Safeguards

- Meets ACR Accreditation Tests for Image Quality and CTDI Dose
- Dose Display Prior to Scan
- Secure Log-In
- Admin Privileges Needed to Change Protocol
- Excessive Dose Lockout
- Dose Reporting/Auditing

Dimensions

Weight: 3510 lbs (1592 kg)



Axial

Rotation Time:	1 sec, 2 sec
Scan Range:	200 cm
Slice Thickness:	8 x 1.25 mm/32 x 1.25 mm
Image Reconstruction time:	16 images/sec

Helical

Rotation Time:	1 sec
Scan Range:	200 cm
Scan Time:	60 sec
Helical Scan Pitch:	0.4, 0.8, 1.6
Image Reconstruction Time:	16 images/sec

Dynamic

Scan Coverage:	4 cm
Scan Time:	50 sec
Rotation Time:	1 sec

Image Quality

Noise STD:	Approx. 0.3%*
Low Contrast Detectability:	5 mm at 0.3%**
High Contrast Spatial:	Soft Tissue Kernel
Resolution:	7.0 lp/cm @ 0 % MTF High Resolution Kernel 17.0 lp/cm @ 0 % MTF
Reconstruction Matrix:	512 x 512

Connectivity

- Gigabit Ethernet/Wireless (a, b, g, n)
- DICOM 3.1 Compliant
- Compatible with Surgical Navigation Software, HIS, RIS, IHE, PACS

* Scan Protocol: 120 kV, 200 mA, 2 seconds; 5 mm slice thickness; PostFossa Kernel; 20 cm water phantom.

** Scan Protocol: 120 kV, 200 mA, 1 second; 10 mm slice thickness; Soft Tissue Kernel; CTP515 Catphan low contrast module.