

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	30 - 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

Number of Rotations per Slice	1 or 2
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
-----------------------	-----------

## 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

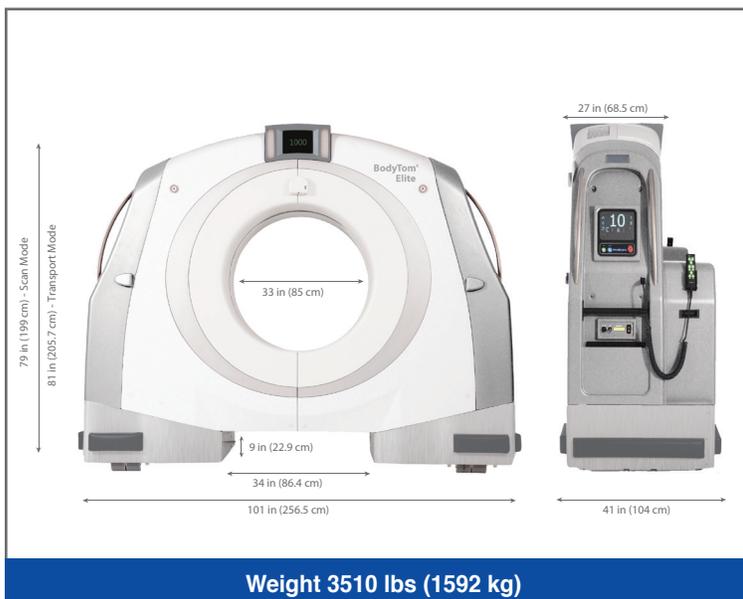
Document provided upon request

## 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**  
**Email: [info@neurologica.com](mailto:info@neurologica.com)**  
**Call: (978) 564-8500**

14 Electronics Avenue, Danvers, MA 01923 USA

1-NL4000-113rev06

The BodyTom® Elite is proudly manufactured in the USA  
BodyTom is a registered trademark of NeuroLogica Corporation. © 2021 NeuroLogica Corporation. All rights reserved.

**NeuroLogica**  
A Subsidiary of Samsung Electronics Co., Ltd