SIEMENS® Somatom Emotion 16

Reference number: #907



SYSTEM

Model	Siemens® Somatom Emotion 16, 16-Slice CT scanner
Year of Manufacture	2010
Available	Immediately, subject to prior sale
Location	Installed in our showroom, Frankfurt / Germany
Condition	Excellent technical and optical condition
Tube	Dura 422 MV

MEDSER Medical Services GmbH & Co. KG | Seligenstädter Grund 13 | 63150 Heusenstamm | Germany
Fon: +49 (0) 6104 40884-12 | Fax: +49 (0) 6104 40884-19 | Mail: vertrieb@medser.de | www.medser.de

GANTRY

Aperture	70 cm
Scan Field	50 cm
Tilt	+/- 30°
Rotational times	0.6, 1.0, 1.5 s

DETECTOR

Number of detector rows	16
Elements	17.664
Channels per slice	1.472
Number of projections	Up to 1.250 (1/360°)
Max. slices / rotation	16

IMAGE RECONSTRUCTION

Reconstruction time	up to 8 images/s
Reconstructed slice widths	0.6, 0.75, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0 mm
Slice increment	0.1–10 mm
Pitch factor (Volume Pitch)	0.4–1.8
Spiral scan time	max. 100 s
Scan length	max. 150 cm

TUBE ASSEMBLY

Tube	DURA 422MV
Tube current range	20–345 mA
Tube voltages	80, 110, 130 kV
Anode heat storage capacity	5.0 MHU
Focal Spot size according to	0.8 x 0.5 mm/7°
IEC 60336	0.8 x 0.7 mm/7°

PATIENT TABLE

Max. table load	200 kg
Table speed	1–100 mm/s
Vertical table travel range	45–83 cm (at table top)
Vertical travel speed	<22,4 mm/s
Scanable range (metal-free)	153 cm

INSTALLATION

Examination room Temperature range	18–30° C
Heat dissipation gantry	max. 6.8 kW
Surface area for installation	18 m^2
Power supply	380–480 V
Nominal line frequency	50; 60 Hz
Max. power connection	<70 kVA
Power consumption System on standby	<3,7 kW
Power consumption scanning	<7,0 kW

MEDSER Medical Services GmbH & Co. KG | Seligenstädter Grund 13 | 63150 Heusenstamm | Germany
Fon: +49 (0) 6104 40884-12 | Fax: +49 (0) 6104 40884-19 | Mail: vertrieb@medser.de | www.medser.de

INCLUDED SPECIFICATIONS

- BOLUS_TRACK
- CAP3D_FILTER_SSD
- CAP3D_FILTER_MIP
- CAP3D_FILTER_VRT
- CAP3D_FLYMODE
- CAP3D_MAIN
- CAP3D_VOIMODE
- CAP3D_EDITOR
- CARE_DOSE
- DICOM_SR_VIEWER
- EMOTION16
- GET_WORKLIST
- MPPS_SUPPORT
- MR_Support_i
- RTD
- SYNGO_GENERAL_LICENSE
- VOLUME_WORKFLOW