



X-RAY UNIT HF 525



Technical Data

Power output at 100 kV / 0,1 s 40 kW Converter 40 kHz Exposure techniques * kV-mAs (alternatively with Automatic Exposure Control) * kV-mA-ms

Radiography

kV range	40 ... 125 kV in 1 kV steps
mA range	25 ... 500 mA
mAs range	0,2 ... 600 mAs in 42 steps
minimal exposure time	2 ms (with and without AEC)



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X-Ray Console HF-525

EVA Series are controlled by Digital key panel console that displays KV, mA and mAs with APR menu programmed.

System-self-diagnosis and self diagnostic circuitry standard on each unit.

Equipped with closed loop for X-ray tube current as well as kVp, minimizing potential errors and need for re-adjustments.





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X-Ray Tube TOSHIBA E 7252 X

The E 7252X is a double-focus rotating anode X-ray tube which is designed for general radiographic procedures, according to the generators power data.



Technical Data

E7252X

Maximal voltage	150 kV
Nominal power small focus	16 kW
large focus	44 kW
Focal spot dimensions	
small focus	0,6 x 0,6 mm
large focus	1,2 x 1,2 mm
Anode material	Tungsten, Rhenium,
Target angel	12°
Rotating anode speed	2.700 rpm (50 Hz)
Anode heat storage capacity	300 kHU = 212 kJ
Tube assembly heat storage capacity	1.250 kHU = 900 kJ
Max. heat dissipation of the tube assembly	15 kHU/min = 177 W
Inherent filtration of tube and housing	0,7 mm Al



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Examination Place EVA

The radiographic examination unit EVA featured by an optimised construction which permits to realise a multitude of examinations on a minimised room. The table is prepared to integrate a special X-ray generator into the base. The complete system can be installed quickly and simple without additional special construction works.

The examination table is composed of a Bucky table with floating patient table top and an integrated column which supports the tube assembly, collimator and the control board. The column doesn't need any additional fixing elements.

The arm which supports the tube and the control board permits the rotation of the radiogen system on the axe of the arm itself and enable to realise special positions with different angles of incidence as well as the operating of a Bucky wall stand. The vertical movement of the radiogen system is balanced by counterweights. The transversal displacement of the tube as well as the rotation of the column is standard. All movements of the column and the table top are stopped by electromagnetic brakes.

The top panel of the Bucky table is in radio transparent laminated plastic with longitudinal profiles in extruded aluminium and lateral guides of insertion and anchorage of the accessories of common use. The movements of the table top are stopped by electromagnetic brakes which are active in the absence of power. They keep it in a defined position as well the installation is off.

The Bucky diaphragms of the table as well as the wall stand can be equipped with AEC ionisation measurement chambers.

Technical Data



Bucky table

Table top material

Absorption Dimensions Longitudinal travel

Transversal travel Table top upper edge to

film distance Table top distance to the floor

Bucky carriage longitudinal travel Grid

Acoustical signalling of the table's central position.

grey-white colour laminated plastic approx.

0,9 mm Al-GW 200 x 74 cm 60 cm (\pm 30

cm) 16 cm (\pm 8 cm) 7,5 cm 70 cm

38 cm 12:1, 36 L/cm, foc 110 cm



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Tube stand

Longitudinal displacement travel	185 cm
Column rotation around the vertical axis	$\pm 90^\circ$
Min. focus distance to the floor (90°-Position)	73 cm
Vertical travel	113 cm
Max. FFD	120 cm
Tube rotation around the horizontal axis	$\pm 90^\circ$
Transversal displacement travel of the tube	14 cm (± 7 cm)

Collimator with dose area product measurement chamber



Collimator

Type of command Localisation light Inherent filtration Equipped with a rotating collar manual 24 V / 150 W Halogen with electronic timer 1,5 mm Al-GW

Bucky wall stand

Vertical displacement travel	120 cm
Min. distance film centre line to the floor	40 cm
Distance table top to film	5,5 cm
Grid	12:1, 36 L/cm, foc 100 cm

Vertical movement controlled by electromagnetic brakes.



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Electrical requirements

Mains connection		3x 380 V, 50 Hz + 6% / -10%
	Option:	Single phase supply with battery
Fuse		3x 35 A delayed
Line impedance		max. 0,3 Ω
Nominal power input		23 kVA
Short time pulse		max. 68 kVA
Stand-by		120 W

Required space

You need an area of about 2,5 x 4 m.

Certification

CE Certificate L-0243314-02 EN ISO 9002:1994 / EN 46002:1996