

► Mobile Radiography Unit



X-ray Generator

- high frequency monobloc generator
- max power 15kW
- max voltage 125 kV
- max current 200mA
- max 250mAs
- frequency 40kHz
- ripple 1%
- monobloc thermal capacity 825kJ-I 103kHU

X-ray Tube

- X-ray tube with rotating anode 3000 rpm
- focal spot 0.6-1.3 mm
- anode material RTM
- anode angle 15°
- thermal capacity 80kJ-107kHU
- continuous thermal dissipation max anode 300W

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Operating Modalities

- 2-point technique (kV and mAs)
- 3-point technique (kV, mA, time)
- 84 programmed anatomical parts, can be re-programmed by operator
- 3 different patient sizes
- collimator lamp ON/OFF switch also from control panel
- possibility to switch potter bucky ON/OFF
- X-ray button with double release with extension cable up to 4 meters

Control Desk

- control desk controlled by a micro-processor with LCD
- display 20x4 characters

Safety Devices and Guards

protection and automatic control of filament current
protection from over current and over voltage
protection from maximum load of X-ray tube
operator error or malfunctioning indication

kV Selection

- continuously from 40 to 125kV

mA Selection

- in 10 values from 25 to 200mA

Selection of Exposure Times

- in 32 values from 0.003 to 6.3s
- in 33 values from 0.001 to 6.3s (upon request)

mAs Selection

- in 25 values from 0.5 to 250mAs





Collimator

- with multiple layer blades and manual control
- variable field from 0x0 to 43x43cm to a 100 cm DFF
- high intensity halogen lamp 160lux at 100cm ON/OFF timer of lamp at 30s
- extractible measurement tape to control DFF
- collimator rotation $\pm 90^\circ$

Power Supply

- standard voltage 230V $\pm 10\%$, 50/60Hz, 16A max
- additional voltage 240V or 110V
- line resistance 0.4ohm

Mechanical Unit

- swiveling front wheels in anti-static rubber
- dead-man brake system
- container for 6 X-ray cassette 35x43cm
- variable focus-floor distance 46,5-200cm
- rotation of monobloc supporting fork $\pm 180^\circ$
- rotation of monobloc in fork $0^\circ \wedge +90^\circ$
- dimensions during transportation 117x71x153h cm
- weight 150kg

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Accessories Upon Request

- possibility of connection to an automatic exposure meter (AEC)
- possibility of connection to a D.A.P. (kerma measurement system for area) with relative thermal printer

