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-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

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
**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 ±180°
- rotation of monobloc in fork 0°^+90°
- dimensions during transportation 117x71x153h cm
- weight 150kg

**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 ±90°

**Power Supply**
- standard voltage 230V ±10%, 50/60Hz, 16A max
- additional voltage 240V or 110V
- line resistance 0.4ohm

**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

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**UNICOMPACT**

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**ADANI**  
from ideas to solutions