Mobile X-ray unit with high frequency generator

This mobile x-ray unit can be used at patient’s bedside, in emergency rooms or in intensive care units. Easy to use, handle and park, it is an essential component for hospitals and clinics facilities. With its powerful and rugged 4.0 kW high frequency generator, it can be easily plugged to a standard outlet (16 A) and is suitable for all examinations, including but not limited to thoracic, abdomen and bones from spine to extremities.

The arm’s clearance, the x-ray tube and collimator movements provide all angulations required for standard and specific exams. It’s well adapted to all radiographic exams.

The design (large diameter wheels at the rear and free spinning wheels at the front) allows easy movements of the unit. The safety system includes a powerful brake hold to stop the unit whenever it is used on inclined or uneven floors.

The operator uses the support bar located at the rear of the unit in order to easily negotiate door and elevator thresholds. It has attractive dimensions that makes it one of the most manoeuvrable units and can be conveniently parked in very small area.

4 KW - 115 kV - 200 mAs - 100 mA
Frequency convertor using IGBT components
Fully microprocessor driven
Fixed anode tube - Focuses 0.6 & 1.5 mm
kV adjustment from 40 to 115 KV
mAs adjustment from 0.1 to 200 mAs, 25% steps
Exposure time: rom 1 ms to 10 s
Falling load operation
Automatic mains adaption
Mains : 230 V, 12 A
Foldable mecanical system

Options:
- Standard wall mounted support for cassettes
- Table on wheels
- Aluminium box for transportation

Technical Specifications:

Description:
- 4.0 kW high frequency generator
- Automatic power adaptation
- Fixed anode tube
The mobile will satisfy to the following applications:
- X-ray at the patient bedside
- X-ray in the traumatology room
- X-ray in the plaster room
- X-ray in the paediatric department
- X-ray in the intensive care unit
- X-ray unit for fied hospital (civil or military)
**Generator**
- High Frequency, 300 kHz
- Output power 4 kW
- Settings in graphy: kV:rom 40 kV to 115 kV, accuracy: +/- 5 %
  
  mA: 5, 6.4, 8, 10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100 mA

  time: from 0.001 s to 10 s, 41 steps by 25 %

  mAs: from 0.1 to 200 mAs, 34 steps by 25 %

  Accuracy: +/- 5 %

- Power supply: Maximum current at 110 VAC: 30 A
- Maximum current at 230 VAC: Single phase
- Mains supply adapt ion from 100 to 240 VAC +/- 10 %
- Output power adaptation regarding voltage
- Power supply cable length: 6 m
- Hands switch cable length: 3 m

**X-ray tube**
- Fixed anode
- Anode angle: 15°
- Focal spot sizes: 0.6 mm and 1.4 mm
- Anode heat storage capacity: 40 000 HU

**Collimator**
- Manual with light beam
- Timer: 30 s

**Rolling system**
- Two big wheels on the rear (ø: 40 cm)
- Two small free wheels on the front
- Braking system: manual brake on rear wheels with declutching system

**Tube assembly**
- Fully equilibrated at any position
- Vertical parking of the arm for easy transportation
- Two axis rotation of the X ray beam and one axis on the collimator

**Technical data**
- Ground for focus distance: minimum 420 mm / maximum 1900 mm
- Rotation of the tube: lateral +/- 145° / vertical + 40°/-165°
- Rotation of the collimator: +/- 90°

**External dimensions:**
- width: 700 mm
- depth: minimum: 920 mm (transport position)
  maximum: 1960 mm
- height: minimum: 1670 mm
  (transport position)
  maximum: 2150 mm
- Weight: 178 kg

**Remarks:**
- Declaration of conformity acc. Medical device directive 93/42/CEE
- Prices in Euros ExWorks, Valencia. Prices may vary.
- Orders are subjected to handling charges: 1.5% (min. 15 EUR)
- Costs of transport are charged individually according to expenses.
- Delivery Time: aprox. 6-8 weeks after receipt of order
- Payment conditions: In advance. La Caixa (Caja de Ahorros y Pensiones de Barcelona)
  
  Cod. SWIFT  CAIXESBBXXX
  Cod. IBAN      ES24 2100 4485 9102 0006 0625