AKAI Med

High Frequence
XRAY Generator Vet

Model : :MED RAY-40 for veterinary

{500mA, 125KV, 40KW High Frequency X-Ray Machine with One No. Rotating Anode X-Ray Tube, (Floor to Ceiling Tube Stand), (Horizontal Bucky Table with Floating Table Top (4 Way)) & (Vertical Bucky Stand)}

X-RAY GENERATOR	High frequency microprocessor controlled based Fixed Radiography Machine
INVERTER FREQUENCY	50 KHz
POWER OUTPUT	40 KW
KV RANGE	40 to 125 KVP with an increment of 1KV per step.
mA RANGE	500 mA
mAs RANGE	Up to 400 mAs
EXPOSURE TIME	2 ms to 2 sec
CONTROL	Attractive and ergonomically designed control panel with total soft touch switches for various operations. Having following functions & indications. • Machine ON/OFF switch • Digital display of KV and mAs. • KV and mAs increase and decrease switches. • Ready and x-ray on switch with indicators • Bucky selection switch. • Stand by and exposure release switch. Self diagnostic program with indicators for:- • Earth Fault Error • KV error • Filament error • Tube Head thermal overload. • Ready & X-Ray on indicators. • Anatomical programming up to 216 pre-programmed functions in which automatic selection of Technical Factors is done according to the Body part Selection. A 2-Step hand switch with dual action for exposure release with retractable cord is provided for taking images from a safer distance.
X-RAY TUBE	A Rotating Anode Dual focus X-Ray Tube. The X-Ray Tube is Thermally protected. **Small focal spot: 1.0 mm** **Large focal spot: 2.0 mm** **Anode heat storage capacity: 140 KHU**
H.V.TANK	A very compact H.V. Tank filled with high grade oil with high dielectric strength. The H.V. Tank contains H.V. transformer, Filament Transformers, H.V. Rectifiers & H.V. Cable receptacles.
H.V. CABLE (One Pair)	One Pair of 08 meter H.V. Cable compatible with the X-Ray Tube.
COLLIMATOR	A Geared Manual collimator with LED light source with high lux output is provided.
FLOOR TO CEILING STAND	Floor to Ceiling Stand & with Counter Balanced Tube Head (Rotatable ± 180 Degree), 360 Degree Rotatable; mounted on Floor Ceiling Rails for convenient movements.

Mechanical Specifications:

1. Longitudinal Movement of Column on Rail: 2950 mm
2. Horizontal Coverage of tube head:443 mm
3. Vertical Carriage Up down movement: 1521 mm
4. Maximum height of Focal Spot from Floor:1956 mm
5. Minimum height of Focal Spot from Floor:435 mm
6. Tube Head rotation : +180o
7. Column rotational : +180o

Minimum Recommended Height of Room: 2743 mm
Table is having a floating table top in 2 directions.
Provided with 2-dimensional movement of table top
Manual Transverse & Longitudinal movements with electromagnetic locking.
Table is provided with Bucky beneath the table top having manual movement which is electromagnetically locked and needs to be unlocked by the foot switch for its movement.
Mechanical Specifications:
Length of the table top: 2000mm
Width of the table top: 720mm
Longitudinal movement of the table: 535mm
Transverse movement of the table: 200 mm
Available grids: 8:1, 85 lines/inch

VERTICAL BUCKY STAND

Vertical Bucky Stand having Bucky with motorized oscillating grid of Ratio 8:1, 85 lines. The Bucky moves up & down & are equipped with a stainless steel cassette. This stand is floor mounted type & can accommodate cassettes up to 14" x 17".

MECHANICAL SPECIFICATIONS:

1. Stand Dimension (LxWxH): 887 x 652 x 2073 mm
2. Vertical Movement Of The Bucky: 1210 mm (without AEC)
3. Min. Height Of Bucky Center From Ground - 460 mm
4. Max. Height Of Bucky Center From Ground–1670mm (Without AEC)
5. Bucky Rotation – 0o to 90°
6. Maximum Patient Coverage - 1640 mm (Without AEC)
7. Provision Of Manual Brakes - Yes
8. Net Weight Of Stand - 162 Kg (Appx.)

POWER SUPPLY

3-Phase 400VAC, 50/60 Hz, ±10%
with independent earthing.
Line resistance:-Max.0.2 Ohms.

AKAIMED LIMITED CO.
Add: 706/F South seas centre,Tower 75, 2 Mody Road, Tsim Sha Tsui, Kowloon, Hong Kong
Email:international@akaimed.com
Tel:+852 9553 3913 /+852 5637 3743