



MDX-100/MCB
MEDICAL DIAGNOSTIC X-RAY



MOBILE X-RAY

(100mA, 100 KVP X-Ray machine)

CE, BIS / AERB APPROVED

MDX-100/MCB - Technical Specifications

OUTPUT RATING (RADIOGRAPHY)	8KW as per IS : 7620 (Part 1) : 1986 100mA at 45 to 100 KVP 50mA at 45 to 100 KVP 25mA at 45 to 100 KVP
KVP RANGE	45 to 100KVP in Steps of 5 KVP/Step.
TIMER	Electronic Timer with timing range from 0.04 to 8 Sec. in 24 steps.
CONTROL PANEL	Attractively designed control panel having the following functions: Digital display of mAs, KVP and Radiographic mA. Voltmeter to indicate line voltage. mA meter to indicate tube current. Voltage compensator Coarse and Fine to compensate for input voltage variation. Booster transformer for stabilization of filament voltage. Tech. selector for selection of Rad mA. KVP selector from 45 to 100 KVP. Time Selector switch for selection of Rad. Time. Ready & X-Ray switches, Bucky selector Switch. Push to ON/Off Type Switches for Machine ON/OFF. Indicators for Line ON, X-Ray ON, Overload & Bucky ON.
SAFETY FEATURES	Automatic trip off overload circuit breaker. Electronic overload protection with simultaneous protection from high input voltage/KVP/mA/Time provided. Fuses for all circuits provided in the machine.

TUBE HEAD	Self Contained Tube Head containing Stationary Anode X-Ray Tube (BEL DSA-3B/ Imported) having Focal Spot of 2.8 mm. Compact Heavy Duty Full Wave Rectified H.V. Transformer and High Voltage Silicon Rectifiers immersed in oil and hermetically sealed. Tube head can be tilted 360° with full flexibility for use in operation theatres and in ward for bedside Radiography.
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TUBE STAND	Mobile Counter Balance (MCB)
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ACCESSORIES	(a) Manual Light Beam Collimator (b) Hand Switch with retractable cord. (c) Aluminum filter.
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POWER SUPPLY	230 Volts AC, \pm 10% Line Regulation, Single Phase, 50 HZ. With Line Resistance of 0.4 Ohms as per IS: 7620 (1). (Power lines having line resistance of more than 0.4 Ohms may limit the output of X-Ray generator.)
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Since R&D is a continuous process, features & specifications are subject to change without notice.

Represented by

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