

MOA

Management Development Apparatus

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Mobile X-Ray unit 30 kW (MXRU)



TECHNICAL FEATURES MXRU

POWER	32 Kw
FREQUENCY	100 KHZ
RIPPLE	< 3%
TOTAL FILTRATION	> 2.7mmAl
TYPE OF MONOBLOCK	HF1 R - 100 20K
TYPE OF INVERTER	HF1 – 32 KW
MONOBLOCK WITH ROTATING ANODE	Speed 3000 T. / min.
ROTATING ANODE SLOPE	15°
DOUBLE FOCAL SPOT SIZE	0.6 X 0.6 mm – 1.3 X 1.3 mm
NOMINAL ANODIC POWER	11 kw – 32 Kw
ANODE THERMAL CAPACITY	110 KHU
COOLING ANODE MAX SPEED	24 KHU / min.
COOLING MONOBLOCK MAX SPEED	5,5 KHU / min.
MONOBLOK THERMIC CAPACITY	600 KJ
MAX VOLTAGE kV	125 kV
MAXIMUM CURRENT mA	425 mA
MAXIMUM mAs	200 mAs
	THE COMBINATIONS BETWEEN mA AND kV ARE AUTOMATICALLY CONTROLLED BY A MICROPROCESSOR SO THAT THERE ARE ALWAYS 32 kW OUTPUT WITH THE LARGE FOCUS AND 11 kW WITH A LITTLE FOCUS COMPATIBLY WITH THE mAs REQUIRED.
OPERATING METHODS	TWO-POINTS RADIOLOGICAL TECHNIQUE WITH SELECTION OF kV \ mAs. THE mA VALUES AND THE EXPOSURE TIME ARE ALWAYS SELECTED AND DISPLAYED AUTOMATICALLY BY THE MICROPROCESSOR ON THE TOUCH SCREEN DISPLAY BEFORE EACH EXPOSURE.
ANATOMICAL TECHNIQUES	UP TO 240 EXAMINATIONS CAN BE PROGRAMMED AND RECALLED. PROGRAMMING BY MEANS OF THE ALPHANUMERICAL KEYPAD ON THE TOUCH SCREEN ALLOWS BOTH THE NAME (es.chest-abdomen etc.) AND THE PARAMETERS (kV and mAs) TO BE ENTERED
OPERATING AND CONTROL TABLE	USER INTERFACE WITH TOUCH SCREEN DISPLAY, WHICH INCLUDES AN ALPHA NUMERICAL KEYPAD TO ENTER THE TYPES OF EXAMINATION TO PUT INTO THE MEMORY AND THE KEYPAD FOR ENTERING THE PATIENT DATA TO BE PRINTED IN CASE OF A D.A.P. ROOM. THE DOSE IS DISPLAYED DIRECTLY ON THE TOUCH SCREEN. (D.A.P. room and printer are optionals)
AUTOMATIC CLOSEDOWN	THE UNIT IS FITTED WITH AN AUTOMATIC CLOSEDOWN SYSTEM AFTER 30 MINUTES OF NOT BEING USED. THIS FEATURES PREVENT THE UNIT FROM REMAINING ON BY MISTAKE FOR LONG PERIODS THEREBY AVOIDING JEOPARDISING THE X-RAY TUBE OPERATION (focuses always on).
PRESET FOR D.A.P. CAMERA	PRESENT
PRESET FOR A POTTER BUCKY	PRESENT
PRESET FOR A.E.C. SYSTEM Automatic exposure control (OPTIONAL)	INCLUDES SOFTWARE AND ELECTRONIC INTERFACING CARD FOR CONTROL AND SELECTION OF THE CHAMBERS, SENSITIVITY AND FINE SHADING CORRECTION. THE A.E.C. SYSTEM CAN BE INTEGRATED WITH THE 240EXAMINATIONS ALREADY STORED
MANUAL X-RAY PUSHBUTTON WITH DOUBLE CLICK	PRESENT WITH EXTENSIBLE CABLE
POWER SUPPLY VOLTAGE	SINGLE-PHASE 230Vac. MAXIMUM CONSUMPTION: 12A. ANY POWER SOCKET CAN BE USED. IN FACT, THE SYSTEM OPERATES WITH A CAPACITOR BANK TO STORE ENERGY. THE MICROPROCESSOR AUTOMATICALLY SELECTS THE TWO CHARGING LEVELS OF THE CAPACITOR BANK. THE FIRST LEVEL ALLOWS MOST RADIOGRAPHIC TO BE CARRIED OUT WITH A REDUCED CHARGE OF THE CAPACITORS. THE SECOND LEVEL IS ONLY SELECTED WHEN THE EXAMINATION REQUIRES FULL POWER OF THE APPARATUS.