

# AC MOBILE/WALL MOUNT DENTAL X-RAY

Crafted for dentists who desire high quality, efficiency and safety above all.

TECHNICAL SPECIFICATIONS	
Model	BI IMAGE-X EVOLUTION®
Manufactured for	DPM USA Corp.
Max. Input Current	8.2 A@120 VAC
Power Consumption	0.8 KVA@120V
Input Voltage Regulation	3%@120 V
Circuit Breakers	20 A
Fuses	10A / 250V / 40 ms / 100 A Breaking Cap
Line Voltage	120V
Line Frequency	60 Hz
Apparent Resistance	0.4-0.8 Ω
TIMER ACCURACY	
Timer (Normal Mode)	0.08 to 2.2 seconds
Timer (Digital Mode)	0.01 to 0.2 seconds
Wall Plate Dimensions	45 x 26 cm.
X-RAY HEAD	
Output Voltage	70 Kvp ± 15% @ 120V
High Voltage Circuit Type	120 VAC Single Phase Rectified
Output Current	10 mA ± 20% (max)
Power	0.8 KW
Total Filtration	≥ 2.5 mmAl @ 70 Kvp
Inherent Filtration	≥ 1.3 mmAl
Added filtration	≥ 1.32 mmAl
Internal Time Between Exposures (Duty Cycle)	32 times the exposure time / 1:32
Beam Limiting Device	Built in the assembly of the head (non removable)
Minimum Distance Between the Source and Skin	20 cm (8")
Maxymum Symmetrical Radiation Field @ 20 cm	6 cm (2 3/8")
Radiation Absorbed @ 1mm	< 50 mR/h, Duty Cycle 1:32
Technical Factors of Absorbed Radiation	70 Kvp, 10mA, 1.3 Seconds
X-RAY SOURCE	
Manufacturer	Kaylong Co. LTD
Type	KL1-0.8-70
Focal Point	0.8 mm
Inherent Filtration	≥ 1.3 mmAl
TRANSFORMER SPECIFICATIONS	
Transformer	Oil
Insulation	Inmersion
Cooling Rate	Convection
Preheating Time	100 ms
Manufacturer for	DPM USA Corp.
Transformer Type	3 connecting Lines
ENVIROMENTAL CONDITIONS	
Temp. Range for Transport and Storage	(-10 °C a 60 °C) No condensation
Max. Relative Humidity in Transport and Storage	95 % No condensation
Min. Pressure Atmospheric Transport and Storage	50 kPa
Operating Temp. Range	(10 °C a 40 °C) No condensation
PARTS OF X-RAY EQUIPMENT	
WEIGHT	
Total weight Including Packaging (Wall Mount Model)	28 Kg.
Total weight Including Packaging (Floor Model)	44 Kg.
Fixed Arm 34"	3.5 Kg.
Articulated Arm	10.2 Kg.
Base	20.5
X-Ray Head	8.8 Kg.

