

CMR X-Ray, LLC Imaging Technology

GMX RAD-III HF X-RAY GENERATOR

Model	GMX-III 30	GMX-III 50	GMX-III 80
Application	Radiographic	Radiographic	Radiographic
Operator Console	Touchscreen / RS232	Touchscreen / RS232	Touchscreen / RS232
Exposure Hand-Switch	Yes <i>Wireless Optional</i>	Yes <i>Wireless Optional</i>	Yes <i>Wireless Optional</i>
Technique Selection	• 2P. kVp/ mAs/AEC • 3P. kVp/mA/Time	• 2P. kVp/ mAs/AEC • 3P. kVp/mA/Time	• 2P. kVp/ mAs/AEC • 3P. kVp/mA/Time
Anatomical Program	User Programmable	User Programmable	User Programmable
Number of X-Ray Tubes	1 Standard / 2 Optional	1 Standard / 2 Optional	1 Standard / 2 Optional
Image Receptors	1 - 3 Receptors	1 - 3 Receptors	1 - 3 Receptors
Number of AEC Chambers / Fields	4 / 5	4 / 5	4 / 5
AEC Interface	Solid State / Ion	Solid State / Ion	Solid State / Ion
Automatic Calibration	Yes	Yes	Yes
Service Diagnostics	Yes	Yes	Yes
Rotor Controller	Low Speed 1 Phase	High Speed 3 Phase	High Speed 3 Phase
Line Power Requirements	Single Phase 208 - 240 VAC, 50 / 60 Hz	Single Phase 208 - 240 VAC, 50 / 60 Hz	Single Phase 208 - 240 VAC, 50 / 60 Hz
Line Regulation	±10%	±10%	±10%
Power Assist (PA) - Optional	Single Phase 120 or 220 VAC, 10A or 20 A	Single Phase 120 or 220 VAC, 10A or 20 A	Single Phase 120 or 220 VAC, 10A or 20 A
kV Range	40 - 150kV (1kV steps)	40 - 150kV (1kV steps)	40 - 150kV (1kV steps)
kV Accuracy	±5% of Indicated kV	±5% of Indicated kV	±5% of Indicated kV
High Voltage Ripple	1%	1%	1%
mA Scale	Linear or Renard	Linear or Renard	Linear or Renard
mA Range RAD	10 - 300 mA	10 - 500 mA	10 - 800 mA
mA Accuracy	±5% of Indicated mA and ± 2 mA of selected value	±5% of Indicated mA and ± 2 mA of selected value	±5% of Indicated mA and ± 2 mA of selected value
mA Reproducibility Specification	Coefficient of Variation < 0.05	Coefficient of Variation < 0.05	Coefficient of Variation < 0.05
mA Linearity Specification	< 0.10 at consecutive mA settings	< 0.10 at consecutive mA settings	< 0.10 at consecutive mA settings
mAs Non AEC Range	0.1- 600mAs	0.1- 600mAs	0.1- 600mAs
Exposure Time Range	0.001 - 10 seconds	0.001 - 10 seconds	0.001 - 10 seconds
Exposure Time Accuracy	±3% of Indicated Time	±3% of Indicated Time	±3% of Indicated Time
Dimensions	D 24", W 23", H 29 1/4" H 610, D 584mm, H 743mm	D 24", W 23", H 29 1/4" H 610, D 584mm, H 743mm	D 24", W 23", H 29 1/4" H 610, D 584mm, H 743mm
Weight	92 kG, 203 lbs	92 Kg , 203 lbs	92 Kg , 203 lbs



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