

AMRAD ADVANTAGE HIGH FREQUENCY GENERATORS



- 37.5, 50, 65 and 80 kW power ratings
- 125 kVp or 150 kVp
- Manual or anatomical technique selection
- Automatic exposure control option

AMRAD ADVANTAGE HIGH FREQUENCY GENERATORS

Reliable

AMRAD™ is known for innovative development and quality workmanship in radiographic systems and components. AMRAD™ products help physicians provide top-quality health care for their patients every day. Each component has been designed for long term durability under heavy patient volume conditions. Backed by a five-year parts warranty, AmradAdvantage generators offer exceptional performance, reliability and long-term investment value.

Versatile

AmradAdvantage high frequency generators provide the flexibility of either manual technique setting or a pre-programmed anatomical technique setting system. This allows the operator to input individual technique parameters in the manual mode or take advantage of the timesaving anatomical program feature.

Accurate

The advanced 100 kHz high frequency technology of AmradAdvantage generators assures minimal patient exposure over a wide range of radiographic exams.

The optional Automatic Exposure Control (AEC) provides optimal imaging. This state-of-the-art feature provides built-in circuitry to operate one or more ion chambers.

With this economical option, you simply select the appropriate kVp for the desired view and press the exposure button. AEC automatically makes corrections for anatomical region, patient thickness and type. It then terminates the exposure at the precise mAs required for consistent film density. Retakes are virtually eliminated.



650 HF, 65 kW operators console.

Specifications Model	375 HF	500 HF	650 HF	800 HF
Constant potential kW power ratings	37.5	50	65	80
High Frequency	100kHz	100kHz	100kHz	100kHz
Radiographic kV range in 1 kV steps	40 to 125 (see note 1)	40 to 125 (see note 2)	40 to 150	40 to 150
mA range	25 to 375	25 to 500 (see note 3)	10 to 800	10 to 1000
mAs range	0.1 mAs to 420 mAs	0.1 mAs to 600 mAs (see note 4)	0.5 mAs to 1000 mAs	0.5 mAs to 1000 mAs
Exposure time range	4 mS to 6 seconds	4 mS to 6 seconds (see note 5)	1 mS to 6.3 seconds	1mS to 6.3 seconds
Technique selection	kVp/mAs APR/Patient thickness APR/AEC (optional) kVp with AEC (optional)	kVp/mAs APR/Patient thickness APR/AEC (optional) kVp with AEC (optional)	kVp/mAs kVp/mA/Time APR/Patient size APR/AEC (optional) kVp with AEC (optional)	kVp/mAs kVp/mA/Time APR/Patient size APR/AEC (optional) kVp with AEC (optional)
Power requirements				
Single phase				
240V	✓			
Three phase				
400V		✓		
480V			✓	✓
Limited 5-year parts warranty	✓	✓	✓	✓
UL Classified	✓	✓	✓	✓
Options				
Built-in Automatic Exposure Control (AEC)	✓	✓	✓	✓
Wall mounting kit for operator console	✓	✓	✓	✓
Floor pedestal mounting kit for operator console	✓	✓	✓	✓
High speed tube starter	✓	✓	✓	✓
150 kV operation	✓	✓	standard	standard
Step-up transformer for 208 or 220 V operation	✓			

Notes:

1. If the 150 kV option is selected, the kV range will be 40 to 150.
2. If the 150 kV option is selected or for tomographic use, the kV range will be 40 to 150.
3. If the High speed tube starter option is selected, or for tomographic use, the mA range will be 25-630.
4. If the High speed tube starter option is selected, or for tomographic use, the mAs range will be 0.5 mAs to 1000 mAs
5. If the High speed tube starter option is selected, or for tomographic use, the Exposure time range will be 1 mS to 6.3 seconds.

Worldwide Support

AMRAD™ radiographic products are backed by an exclusive, world-wide dealer network for support and service. This exceptional group of professionals is dedicated to providing you with unequalled products and services.

On cover: 375 HF, 37.5kW operators console.