



Epsilon

X-Ray Generator Family

Product Highlights

- Designed for all fluoroscopy and radiographic systems
- 30-100 kW high-voltage generator for diagnostic interventional radiology
- High frequency X-ray generator designed with a unique power inverter technology
- Simple, stable and solid construction means low maintenance costs over lifetime
- Graceful degradation and extremely reliable
- All existing types of X-ray tubes can be connected

Technical Features

- Ultra high output frequency up to 240 kHz
- Unique 400V-480V +/- 10% AC main power (DELTA or STAR), automatic main power adaptable
- Solid state high-voltage modules (no oil) permitting small dimensions and reduced weight
- Modular design allowing the upgrade of an existing generator from 45 kW to 50 kW to 65 kW to 80 kW with the simple addition of inverter boards
- RAD generator can be easily upgraded (in the field) to full fluoro functionality by inserting a fluoro board
- Automatic calculation of tube's accumulated heat, display thermal units
- 2000 **Anatomical Programmed Radiographies (APR)**

Technical Data

	RAD	RF	
Application	Radiography	Continuous fluoro	Pulsed fluoro
Power	30, 45, 50, 65, 80, 100 kW		
RAD kV	40 to 150 kV (Vascular mode)		
Fluoro kV		40 to 125 kV	40 to 125 kV
mA range	10 to 1000	0,2 - 12,5	16 - 80
mAs range	0,4 to 1000	n.a.	0,08 -5,0
Exposure time range	1 msec. to 10 sec.	n.a.	n.a.
Power line	3-phase line, 400 - 480 VAC, 50-60 Hz		
Input line voltage	+/- 10% (automatic adjustment)		
Dimensions	472mm x 768mm 812mm		
Weight	79 - 90 kg		

Options

- High speed anode drive (9000 r/m)
- Decorative cabinet
- 2nd hand switch
- Expansion board (I/O)
- Auxiliary power supply 24 V DC or DC/AC
- Second tube
- Cable discharge unit
- Digital angiography (DSA)
- Source to patient dose compensation
- Photodiode ion chamber fluoro board
- Ion chamber interface
- Stepping table
- Colour touch screen display of all sizes (customized)
- Automatic Exposure Control: Max. 4 dose measuring chambers (with 2 different characteristics)
- Dose Area Product (DAP) interfaces
- High frame rate 90F/sec, RAD & fluoro
- Interface RS232/CAN/USB/RIS/HIS, communication to workstation IPC on request
- Adaptable X-ray tubes from Philips, Siemens, Toshiba, Varian; all other on request