



Epsilon 65

Epsilon 65 is a compact 150kV-1ms three-phase, high-frequency X-ray generator, operating at 65 kW for general fluoroscopic and radiographic applications. Every feature is engineered to help minimize dose exposure and increase image quality through optimization of the acquisition parameters. Epsilon 65 can be configured to accommodate multiple GE Healthcare X-ray tubes, positioners and image chains, while dramatically simplifying your radiographic and fluoroscopic applications. Excellent to replace old X-ray generators, Epsilon 65 is a cost-effective device, built for years of dependable use. It will help ensure that your imaging system remains fully compliant with applicable regulations.

We have an answer to your Challenges

Regulations and standards change often and the requirements are more and more stringent. Regulatory compliance is essential to patient safety and equipment service. Meeting all standards may require a lot of resources. GE Healthcare Options & Upgrades is the program of choice to ensure compliance and helps enhance the performance of your installed equipment. You can replace specific components and add new features and upgrades at an attractive cost. Your system will be positioned for high performance and regulatory compliance through our cost-effective Option & Upgrades solutions, so you can get the most out of your investments.

Options & Upgrades
program



Key features

Enhanced image quality

- Powered by a high-frequency multi-pulse converter, up to 120KHz
- Ripple up to 240KHz
- Rise time < 0,6ms

RAD acquisition mode

- 4 patient sizes
- Automatic focal spot mode upon power selection

Serial (Multiple) Mode

- F/S: up to 30 f/s
- Run Length (in s): 1, 2, 5, 10, 20, 30, 60
- Tomographic Exposure

Fluoro mode

- 4 ABS curves
- ABS allows changing KV on the fly
- Multi-zoom (Mag) adjustable dose

Dose control

- Automatic Exposure Control
- Zero point mode available for examinations with spot film devices or Digital
- Multi-zoom (Mag) adjustable dose
- Excellent exposure dose repeatability

APR exams

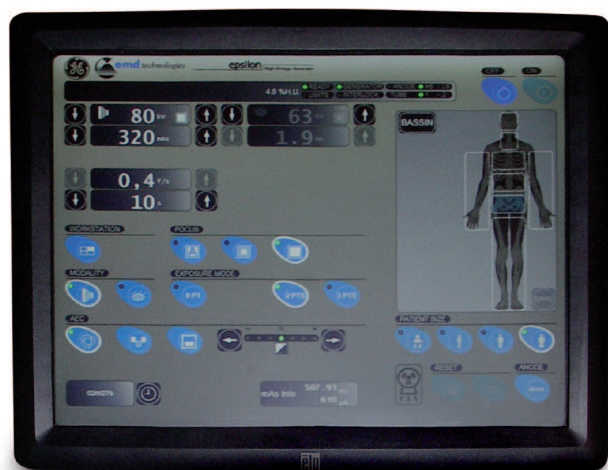
- Programmable technique chart consisting of up to 2000 fully customizable exams, stored in the Epsilon Operator Console

Operating versatility

- Compatible with a large number of GEHC X-ray tubes
- Compatible with all GEHC analog and digital TV chains
- Able to supply power to, the TV chain or any devices with 24V_{AC} 115V_{AC} or 230V_{AV}, up to 5KVA.



Technical characteristics



Acquisition parameters optimization

- Automatic exposure control: user-selected film/screen combination. (User correction of film blackening available if required, such as when it is impossible to position the region of interest exactly over the measurement cell).

Available options:

- Touch screen console
- Exist in 1 or 2 X-ray tubes configuration

Epsilon 65

KW	65
RAD	
kV min	40
kV max	150
mA min	10
mA max	800
mAs max	1000
min exp (ms)	1
Max exp(s)	10
FLUORO	
KV min	40
KV max	125
mA max	12,5
mA min	0,2

Dimensions and weight

- Epsilon cabinet for full configuration: 768 x 472 x 1287mm
- Epsilon weight: 153 kg

Universal power input

- Allowing the same generator to operate with line inputs of 380V_{AC} to 480V_{AC}, 50/60Hz
- Input line voltage +/- 10 % automatic adjustment

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GE imagination at work