As the world’s leading independent manufacturer of X-ray generators and Monoblock® X-ray sources, Spellman High Voltage is proud to offer the EDITOR HFe Series of high frequency diagnostic X-ray generators. Spellman is EN ISO 13485 certified company. The certification covers design, development, production, installation service and selling of X-ray generators.

The EDITOR HFe X-ray generator series ranges from 40 to 80kW. These generators are compatible with most X-ray tubes, image intensifiers, flat panel detectors, and have a flexible digital and DR interface. With its’ modular construction and flexible design the EDITOR HFe series can be easily installed, maintained and integrated. Full featured Radiographic or R/F control consoles are available as well as anatomic programming and integrated DAP. The EDITOR HFe series is also offered with dual X-ray tube control and high speed starters.

**EDITOR HFe Series**

**HIGH FREQUENCY X-RAY GENERATORS**

- **Quality & Reliability:**
  Stable and proven design. Over 8 years of production and design validation. Thousands installed worldwide

- **Serviceability:**
  Modular design repairable to circuit board or component level minimizing service cost and down time

- **Capability:**
  Global resources for efficient production and worldwide sales and service support

- **Subsystems solutions:**
  Generator plus HV cables, X-ray tubes, detectors and mechanical assemblies

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**EDITOR HFe 401-HFe 801** Radiographic and Fluoroscopic Generators

**Radiographic Mode**

The EDITOR HFe Series combines conventional radiographic control and anatomic programming with the latest in automatic exposure control technology and a variety of detector interfaces for the latest in radiographic applications.

- Automatic Exposure Control
- Programmed Organ Library
- Multiple Language Organ Program
- APR Techniques

**Fluoroscopic Mode**

The EDITOR HFe Series includes enhanced fluoroscopic control in addition to a digital interface which allows for smooth integration with new dynamic detectors and imaging software.

- Pulsed Fluoroscopy
- High Level Fluoroscopy
- Automatic Brightness Stabilization
- Collimator Control

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**Output Frequency** 100kHz

**Output Power** 40, 50, 65, and 80kW

**Output Voltage** 40-150kV

**Output Current**

- Radiographic: 10-800mA
- Fluoroscopic: 0.5 to 5mA
- High Level Fluoroscopic: 1-20mA
- Pulsed Fluoroscopic: 10-150mA

**Interface** RS-232

**Typical Applications**

- Fluoroscopy
- Digital Subtraction Angiography
- Digital Spot Film
- Serial Radiography
- Digital Radiography

**Available Options**

- High Speed Starter
- Automatic Exposure Control
- Control Consoles
- Collimator Power Supply
- Bucky Power Supply and Interface

* only available in standard cabinet

As the most versatile unit in the HFe Series line-up, the EDITOR HFe 801 offers the upgrades and options needed to meet the requirements of any radiology department or diagnostic imaging center.
**EDITOR HFe Series Control Consoles**
Radiographic or Fluoroscopic with TV control

- **0-Point Technique:**
  Organ selection with or without falling load

- **1-Point Technique:**
  Tube voltage can be freely selected with falling load and automatic exposure control

- **2-Point Technique:**
  Tube voltage and mA can be freely selected, with or without automatic exposure control

- **3-Point Technique:**
  Tube voltage, mA, and exposure time can be freely selected, with or without automatic exposure control

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**EDITOR HFe 401-HFe 801 Radiographic Generators**

- **Output Frequency:** 100kHz
- **Output Power:** 40, 50, 65 and 80kW*
- **Output Voltage:** 40-150kV
- **Output Current:** Radiographic: 10-800mA
- **Interface:** RS-232

**Typical Applications**
- Serial Radiography
- Digital Radiography
- Tomosynthesis

**Available Options**
- High Speed Starter
- Automatic Exposure Control
- Control Consoles
- Collimator Power Supply
- DR Interface Box
- Bucky Power Supply and Interface

* only available in standard and under table cabinet

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An example of our commitment to advanced system integration is clearly illustrated by our bucky table specific horizontal EDITOR HFe generator.

Optional compact upright cabinet available for 40, 50 and 65kW Radiographic applications

Optional under table cabinet available for 40, 50, 65 and 80kW Radiographic applications

The EDITOR control consoles offer an intuitive approach to the selection of X-ray techniques and imaging control.

Pre-programmed organ parameters save time and reduce number of repeat exposures
Compatible Components
The Spellman EDITOR HFe Series of X-ray generators have been developed to be compatible with most X-ray tubes, image intensifiers, flat panel detectors, AEC sensors and buckys.

System Integration
In a continuing effort to provide innovative solutions for our customers, Spellman can also provide fully integrated X-ray subsystems including X-ray buckys, tables and stands for system configurations.
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>EDITOR HFe 401</th>
<th>EDITOR HFe 501</th>
<th>EDITOR HFe 601</th>
<th>EDITOR HFe 801</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power rating</td>
<td>40 kW</td>
<td>50 kW</td>
<td>65 kW</td>
<td>80 kW&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td>mA / kW at 60 kV</td>
<td>500 / 30</td>
<td>630 / 38</td>
<td>800 / 48</td>
<td>800 / 48</td>
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<tr>
<td>mA / kW at 80 kV</td>
<td>500 / 40</td>
<td>630 / 50</td>
<td>800 / 64</td>
<td>800 / 64</td>
</tr>
<tr>
<td>mA / kW at 100 kV</td>
<td>400 / 40</td>
<td>500 / 50</td>
<td>650 / 65</td>
<td>800 / 80</td>
</tr>
<tr>
<td>mA / kW at 125 kV</td>
<td>320 / 40</td>
<td>400 / 50</td>
<td>520 / 65</td>
<td>660 / 80</td>
</tr>
<tr>
<td>mA / kW at 150 kV</td>
<td>266 / 40</td>
<td>330 / 50</td>
<td>430 / 65</td>
<td>530 / 80</td>
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<tr>
<td>Continuous falling load</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Radiographic kV range</td>
<td>40-150 kV</td>
<td>40-150 kV</td>
<td>40-150 kV</td>
<td>40-150 kV</td>
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<tr>
<td>Radiographic mA and mAs range:</td>
<td>10-500 mA</td>
<td>10-650 mA</td>
<td>10-800 mA</td>
<td>10-800 mA</td>
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<tr>
<td>mA in 18 steps</td>
<td>10-650 mA</td>
<td>19 steps</td>
<td>20 steps</td>
<td>20 steps</td>
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<tr>
<td>ms in 38 steps</td>
<td>1-6300 ms</td>
<td>38 steps</td>
<td>38 steps</td>
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<tr>
<td>mAs in 32 steps</td>
<td>0.5-600 mAs</td>
<td>32 steps</td>
<td>32 steps</td>
<td>32 steps</td>
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<td>Serial exposure (by external trigger)</td>
<td>50 pulses per second</td>
<td>50 pulses per second</td>
<td>50 pulses per second</td>
<td>50 pulses per second</td>
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<td>100kHz</td>
<td>100kHz</td>
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<td>Fluoroscopic kV range:</td>
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<td>40-125 kV</td>
<td>40-125 kV</td>
<td>40-125 kV</td>
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<tr>
<td>Fluoroscopy mA range:</td>
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<td>0.5-5.0 mA</td>
<td>0.5-5.0 mA</td>
<td>0.5-5.0 mA</td>
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<tr>
<td>High level fluoro&lt;sup&gt;1&lt;/sup&gt;</td>
<td>1-20 mA</td>
<td>1-20 mA</td>
<td>1-20 mA</td>
<td>1-20 mA</td>
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<tr>
<td>Pulsed fluoro&lt;sup&gt;1&lt;/sup&gt;</td>
<td>10-150 mA</td>
<td>10-150 mA</td>
<td>10-150 mA</td>
<td>10-150 mA</td>
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<td>Max. imaging rate (pulse per sec.)&lt;sup&gt;1&lt;/sup&gt;</td>
<td>50</td>
<td>50</td>
<td>50</td>
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<td>Automatic brightness control</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>Dose area product measure systems Optional</td>
<td>Optional</td>
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<td>Automatic exposure control Optional</td>
<td>Optional</td>
<td>Optional</td>
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<td>Optional</td>
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<tr>
<td>Line voltage Optional autotransformer for AC inputs; 208, 440, 480 Vac. Consult factory for details</td>
<td>400-420Vac, 50/60Hz Three Phase + neutral</td>
<td>400-420Vac, 50/60Hz Three Phase + neutral</td>
<td>400-420Vac, 50/60Hz Three Phase + neutral</td>
<td>400-420Vac, 50/60Hz Three Phase + neutral</td>
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<tr>
<td>Anatomic programming</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>DR Digital interface Optional</td>
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<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
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<td>External hand switch included Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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</table>

1. Only available in standard cabinet
2. Digital or Analog Interface
3. Consult factory DR Interface Information