HIGH FREQUENCY GENERATORS
FOR DR, CCD, CR, FILM IMAGING

Cost Effective HF Generators
With No Compromise in Quality.
A Generator To Fit Every Need!

SHF Series
20 kW, 32 kW, 40 kW,
50 kW, 64 kW & 80 kW

UNsurpassed Quality, Repeatability and Accuracy
The SHF series of generators are available in output ratings of 20 kW to a powerful 80 kW. The generators were designed with safety, reliability and user and patient safety in mind. The SHF generators deliver rapid and accurate access to technique parameters for DR, CCD, CR or film based imaging. Reduction in patient dose, exposure accuracy, efficient operation and extended tube life are synonymous with the SHF series of high frequency generators.

Generator integration to the monitor for digital applications is a unique feature offered with a variety of our DR and CCD digital imaging solutions. Generator integration provides APR view and technique selection and fine tuning of techniques at the workstation for digital imaging.

The SHF generators are not only used with the complete AdvantagePlus or Value Plus system offerings but adapt well as a replacement for older generators in the field including R/F.

Worldwide acceptance of the SHF generators confirms the unsurpassed performance and reliability.
**Technical Specifications**

<table>
<thead>
<tr>
<th>Constant Potential Power Ratings</th>
<th>20 kW</th>
<th>32 kW</th>
<th>40 kW</th>
<th>50 kW</th>
<th>64 kW</th>
<th>80 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiographic kVp Range</td>
<td>40 - 125 (150 optional)</td>
<td>40 - 125 (150 optional)</td>
<td>40 - 125 (150 optional)</td>
<td>40 - 125 (150 optional)</td>
<td>40 - 150</td>
<td>40 - 150</td>
</tr>
<tr>
<td>mA Range &amp; Stations</td>
<td>10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320</td>
<td>10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500</td>
<td>10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640</td>
<td>10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640</td>
<td>10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640, 800</td>
<td>10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640, 800</td>
</tr>
<tr>
<td>mA Accuracy</td>
<td>± (4% + 1 mA)</td>
<td>± (4% + 1 mA)</td>
<td>± (4% + 1 mA)</td>
<td>± (4% + 1 mA)</td>
<td>± (4% + 1 mA)</td>
<td>± (4% + 1 mA)</td>
</tr>
<tr>
<td>Power Output</td>
<td>300 mA @ 62 kVp 250 mA @ 100 kVp 200 mA @ 125 kVp</td>
<td>400 mA @ 80 kVp 320 mA @ 100 kVp 250 mA @ 125 kVp</td>
<td>500 mA @ 80 kVp 400 mA @ 100 kVp 320 mA @ 125 kVp 250 mA @ 150 kVp</td>
<td>640 mA @ 78 kVp 500 mA @ 100 kVp 400 mA @ 125 kVp 320 mA @ 150 kVp</td>
<td>640 mA @ 100 kVp 500 mA @ 125 kVp 400 mA @ 150 kVp</td>
<td>800 mA @ 100 kVp 640 mA @ 125 kVp 500 mA @ 150 kVp</td>
</tr>
<tr>
<td>Exposure Time Range Accuracy</td>
<td>0.001 - 10 seconds ± (2% + 0.1 ms)</td>
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</tr>
<tr>
<td>mA Range (*)</td>
<td>0.1 - 500 mA (*)</td>
<td>0.1 - 500 mA (*)</td>
<td>0.1 - 500 mA (*)</td>
<td>0.1 - 500 mA (*)</td>
<td>0.1 - 500 mA (*)</td>
<td>0.1 - 500 mA (*)</td>
</tr>
<tr>
<td>High Voltage Ripple (kVp)</td>
<td>&lt;1 kVp @ 100 kVp</td>
<td>&lt;1 kVp @ 100 kVp</td>
<td>&lt;1 kVp @ 100 kVp</td>
<td>&lt;1 kVp @ 100 kVp</td>
<td>&lt;1 kVp @ 100 kVp</td>
<td>&lt;1 kVp @ 100 kVp</td>
</tr>
<tr>
<td>Automatic Exposure Control</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Buckys (2 Standard)</td>
<td>Optional up to 4</td>
<td>Optional up to 4</td>
<td>Optional up to 4</td>
<td>Optional up to 4</td>
<td>Optional up to 4</td>
<td>Optional up to 4</td>
</tr>
<tr>
<td>Integrated High Speed Starter</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Line Voltage Range (V/A)</td>
<td>208/240/380/480 Single Phase/3-Phase</td>
<td>208/240/380/480 Single Phase/3-Phase</td>
<td>208/240/380/480 Single Phase/3-Phase</td>
<td>380/480 Three Phase</td>
<td>380/480 Three Phase</td>
<td>380/480 Three Phase</td>
</tr>
<tr>
<td>Automatic Line Compensation</td>
<td>±10%</td>
<td>±10%</td>
<td>±10%</td>
<td>±10%</td>
<td>±10%</td>
<td>±10%</td>
</tr>
</tbody>
</table>

**Minimum Power Line Requirements According to IEC 601-2-7: 2,200 W (X-ray Tube + Generator)**

*640 mA As Optional

**Standard Features Summary**

- APR for 6 Patient Sizes (Small, Medium, Large Pediatric and Adult)
- 3 Point Operation by Selecting kVp, mA and time or 2 Point Operation Selecting kVp and mAs
- 8 Anatomical Regions, 8 Views per Region
- Settings Pre-Programmed for 200, 400 and 800 Speed
- Exposure Counter, Up to Maximum of 999,999

**Option Summary**

- AEC (Automatic Exposure Control)
- Various Power Line Operation
- 150 kVp for 20, 32, 40 and 50kW
- Battery Operated, 32, 40 and 50 kW (115 or 220 VAC operation)
- R/F Two Tube
- 640 mA
- Pedestal
- High Speed Starter
- Touch Screen Control Console
- Generator Integration to Acquisition Monitor for select DR Flat Panels and CCD Detectors
- Digital Displays
- Automatic Line Compensation
- Tube Protection
- Self Diagnostics w/ Error Code Reporting
- Table Mount
- Exposure Hand Switch
- Automatic Calibration
- UL/CE/FDA Listed

**Power Cabinet Specifications**

**Line Powered**

- Rad 1 Tube
- 32 - 80 kW
- Net Weight = 117 lbs
- 53 kg

**Line Powered with High Speed Starter**

- Dimensions
  - 27.16” h x 23.3” w x 14.2” d
  - (69 cm x 59 cm x 36 cm)
- Weight
  - 209 lbs / 95 kg

**Battery Operated**

- Dimensions
  - 37.32 h x 32 w x 17.2 d
  - (95 cm x 81 cm x 44 cm)
- Weight
  - 518 lbs / 235 kg

**Advantage Plus**

**Value Plus**

**FOR DR, CCD, CR, FILM IMAGING**

**Complies with FDA and Product Safety Requirements. • Specifications Subject to Change Without Notice**

**TXR® 5481 Skyland Blvd., E • Cottondale, AL 35453**

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