## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>8016HF</th>
<th>9020HF</th>
<th>1025HF</th>
<th>1040HF</th>
<th>1060HF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of generator</td>
<td>Mono block design (High frequency inverter generator, full bridge discrete IGBT)</td>
<td></td>
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</tr>
<tr>
<td>Power requirement (max.)</td>
<td>1.2 kVA</td>
<td>1.35 kVA</td>
<td>1.6 kVA</td>
<td>2.4 kVA</td>
<td>3.2 kVA</td>
</tr>
<tr>
<td>Adjustable KV (1kV steps)</td>
<td>40 - 80 kV</td>
<td>40 - 90 kV</td>
<td>40 - 100 kV</td>
<td>40 - 100 kV</td>
<td>40 - 100 kV</td>
</tr>
<tr>
<td>mA range</td>
<td>0.32 - 30 mA (22 steps)</td>
<td>0.32 - 30 mA (21 steps)</td>
<td>0.32 - 50 mA (22 steps)</td>
<td>0.32 - 100 mA (26 steps)</td>
<td>0.32 - 100 mA (26 steps)</td>
</tr>
<tr>
<td>Maximum programmed mA output by KV level</td>
<td>10, 15, 16 mA</td>
<td>12, 15, 16.8, 20 mA</td>
<td>15, 20, 25 mA</td>
<td>20, 26, 30, 40 mA</td>
<td>25, 30, 35, 40, 50, 60 mA</td>
</tr>
<tr>
<td>Focal spot of tube</td>
<td>1.0 x 1.0 mm</td>
<td>1.2 x 1.2 mm</td>
<td>1.2 x 1.2 mm</td>
<td>1.2 x 1.2 mm</td>
<td>2.0 x 2.0 mm</td>
</tr>
<tr>
<td>Exposure time</td>
<td>0.02 - 2.5 sec</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Total filtration</td>
<td>2.5 mm Al (including collimator)</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Collimator light field</td>
<td>27 x 27 cm @ 66 cm SID</td>
<td>35 x 35 cm @ 66 cm SID / 40 x 40 cm @ 75 cm SID</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Collimator lamp</td>
<td>Duration of 30 sec (controlled by both hand switch and OP panel) Higher than 100% (12/50W) light intensity</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OP &amp; LED display</td>
<td>7 segment operation display for KV, mA setting Ready, X-ray, Wait and Error (low voltage or overload) Buttons of Collimator lamp ON/OFF, Laser pointer ON/OFF, APR storage key and Display reverse.</td>
<td></td>
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</tr>
<tr>
<td>APR memory</td>
<td>8 memory standard and extensible to 16 combinations</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>SID measurement</td>
<td>Dual laser pointer &amp; tape measuring</td>
<td></td>
<td></td>
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<tr>
<td>Protection</td>
<td>Overload protection of high frequency inverter and X-ray tube</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Line voltage (required)</td>
<td>110 - 120 VAC 50/60 Hz single phase 20A or 200 - 260 VAC 50/60 Hz single phase 16A</td>
<td>200 - 260 VAC 50/60 Hz single phase 16A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight (without accessories)</td>
<td>6.4 kg</td>
<td>7.0 kg</td>
<td>9.9 kg</td>
<td>12.5 kg</td>
<td>13.5 kg</td>
</tr>
<tr>
<td>Size (L x W x H) mm</td>
<td>280 x 140 x 150</td>
<td>275 x 140 x 150</td>
<td>344 x 178 x 175</td>
<td>344 x 193 x 288</td>
<td>344 x 193 x 210</td>
</tr>
</tbody>
</table>

Specifications are subject to change without prior notice.

## Unique Features in Oranges

- 16 memories
- Balance Bubble
- One-Hand Collimator
- Built-in Dual Laser
- Ball Angle Gauge

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Power in compact bodies

**ORANGE Series**

Durable & advanced technology for portable X-ray units (High Frequency Inverter Generators)

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**ORANGE 8016HF**
Better choice for your Equine examinations!
(Hold it in your one hand only)
- Power with quality (80kV/16mA output)
- Wider range of kV (30 - 80kV) in 1kV steps
- Easy access to DR systems
- Flashing idea to Collimator Slot - easy and smooth enough
- Durable design with reliable radiation output

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**ORANGE 9020HF**
Higher Output for Equine & Small animal
- Bigger Output (90kV/20mA)
- Solid body with light weight
- Ergonomic Design
- One-hand Collimator Control
- Easy access to DR systems

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**ORANGE 1025HF**
Upgraded power by innovative concept
- Power in a tiny body (100kV/25mA)
- Strong 100kV output
- Compact & light weight with higher mA range up to 25mA
- Wide range of application: From equine lower limb to small animal surgery
- Reliable performance from Robust body

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**ORANGE 1040HF**
The best seller in the line.
Most popular range that covers all...!!!
- Outstanding & Stable imaging capability
- Durable housing and design
- Compact size but powerful output (100kV/40mA)
- Ergonomic & Soft OP panel layout
- Right selection for small animal and equine stifle radiography

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**ORANGE 1060HF**
Premium value with superior output
- Extraordinary X-ray output, 60mA Strength
- Small enough = Strong enough
- Powerful output (100kV/60mA Max.) from compact size - Similar with 1040HF
- Suitable for your small animal examinations
- Convenient handling for advanced image quality

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CCD DR for small animals
- Detector Array: Full Filled, single CCD
- Image Matrix: 3,072 x 3,072(M)
- Spatial Resolution: 4.3lp/mm
- Preview Image: Less than 2 seconds
- 300/500mA 125kV HPG
- X-ray tube focal spot: 1.0/2.0mm (140KHz)

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FPD for equine
- Amorphous silicon TFT operating as active matrix (12.8" x 10.4")
- Compact (22.5mm thickness) and light weight (less than 3.4Kg)
- The images digitized in 14 bits offer high dynamic range
- Preview at 4 sec after X-ray exposure