### X-RAY TUBES

<table>
<thead>
<tr>
<th>Type</th>
<th>£784/USX</th>
<th>£784/UKX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal voltage</td>
<td>150 kV</td>
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<tr>
<td>Nominal focus spot size</td>
<td>0.8 mm x 0.8 mm</td>
<td>0.6 mm x 1.2 mm</td>
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<tr>
<td>Nominal power small focus</td>
<td>3.2 kW</td>
<td>20 kW</td>
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<tr>
<td>Nominal power large focus</td>
<td>36-58 kW</td>
<td>51 kW</td>
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<tr>
<td>Anode target angle</td>
<td>12°</td>
<td>12°</td>
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<tr>
<td>Anode diameter</td>
<td>76 mm</td>
<td>76 mm</td>
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<tr>
<td>Anode heat current</td>
<td>180 kA (340 kA)</td>
<td>210 kA (330 kA)</td>
</tr>
<tr>
<td>Anode rotation speed at 50 Hz</td>
<td>Minimum 2700 min⁻¹</td>
<td>Minimum 2700 min⁻¹</td>
</tr>
</tbody>
</table>

### Why Agfa HealthCare?

Agfa HealthCare is a global leader in the fast growing market of integrated IT and imaging systems, offering healthcare facilities a solution free of information and a 360° view of patient care. The company has a unique, holistic approach, enabling it to provide in-depth clinical know-how and fully integrated hospital-wide solutions. These specialized solutions integrate IT and imaging systems for Radiology, Cardiology, Hematology, and Orthopedics. Agfa HealthCare’s enterprise-wide IT platform integrates all administrative and clinical data within a healthcare facility and is designed to match the unique needs of specific healthcare professionals.

www.agfahealthcare.com

### DX-D 100 WITH WIRELESS DETECTOR

**Generator V3s**

- **Maximum mA**
  - 320 mA @ 125 kVp
  - 400 mA @ 100 kVp
  - 500 mA @ 100 kVp
  - 150 kVp

- **Maximum power kW**
  - 320 mA @ 125 kVp: 0.3 mm/1 mm
  - 400 mA @ 100 kVp: 0.3 mm/1 mm

### Why DX-D 100?

- **Fast assessment of images after exposure**
- **Improved patient and operator comfort**
- **Increased productivity for lower cost per exam**
- **Higher image quality, for improved diagnostic confidence**
- **Granulometric D2K detector technology with columnar crystal growth for higher sensitivity (QD)**
- **Easy to operate and position both axially and laterally, with wireless portable D2K detector and motorized control**
- **MUSICA processing software for excellent contrast detail and exam-independent, consistent image quality**
- **Excellent connectivity to PACS, HIS/RIS and imaging systems**

### Conclusion

DX-D 100 offers fast imaging that can be validated immediately. With superb handling capabilities, it reduces waiting times and increases diagnostic confidence. The wireless detector enhances the flexibility. DX-D 100 further answers the need for constant replenishment of patient comfort and performance of your radiology department.
DX-D 100 WITH WIRELESS DETECTOR

On the go: easy handling for radiology exams

The DX-D 100 with wireless detector has been designed to offer full mobility combined with excellent image quality, using a 30 x 30 cm wireless portable Direct Digital detector. The large source-drivers wheel and small width of the unit provide effortless handling of the DX-D 100 around the patient, even in very small areas.

Wireless mobility offers improved flexibility

The solution capability of this mobile solution further increases the already excellent flexibility, improving your overall workflow, and with its trailing cable, there is less chance of picking up dirt or getting stuck on the floor.

View images immediately after exposure

Thanks to the very fast preview times, images can be previewed immediately to verify whether a retake is necessary, without missing any patient time. Even while recharging, it can make images, eliminating manual data entry and typographical errors.

A quick and easy way to go Direct Digital!

With the DX-D 100, you can enjoy the productivity benefits of Direct Digital, including a lower cost per exam. The instantaneous image acquisition permits a faster exam time, eliminating manual data entry and typographical errors.

Technical specifications

- **Tube generator:** 25 kW, 32 kW, 40 kW, 50 kW
- **mAs range:** 1 - 500 mAs
- **kVp range:** 40 - 150 kVp
- **exposure time range:** 0.1 - 0.5 millisecond
- **Tube arm travel:** Coaxial rotation: 315°
- **Minimal SID to floor:** 2,050 mm / 700 inches
- **Minimal SID to floor:** 5,050 mm / 2020 inches
- **max. SID to floor:** 10,000 mm / 3937 inches
- **Tube motor:** Power: 1.5 kW
- **Monitoring unit:** Power: 10 W
- **Wireless:** Two (2) independent systems for driving and imaging

Services & Support

Arga Healthcare offers service agreement solutions tailored to the individual customer’s situation. The service agreements are available in Basic, Advantage, and PPM Only levels, making lifecycle costs predictable.

A worldwide team of some 1,500 service professionals is at your disposal to provide support at all phases of your project. As an additional service, they can help you optimize your examination settings and field BIOS protocol settings, for an even higher return on investment. Furthermore, this team carries out tasks that go well beyond maintenance, including value-added services such as user training, staff training and software upgrades.

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consistent image quality and high contrast detail. Soft tissue examinations of bariatric patients.

The ‘gold standard’ MUSICA² image processing software has been specially adapted and tuned to further enhance the overall workflow. And with no trailing cable, there is less chance of picking up dirt or germs from the floor.

A quick and easy way to go Direct Digital!

With the DX-D 100, you can now enjoy the productivity benefits of Direct Digital, including a lower cost per exam. The immediate image acquisition permits a faster exam time, eliminating manual data entry and typographical errors.

A worldwide team of some 1,000 service professionals is at your disposal to provide support at all phases of your project. As an additional service, they can help you customize your examination process for Direct Digital protocols, for an even higher return on investment. Furthermore, this team carries out tasks that are well beyond maintenance, including value added services such as super user training, staff training and software upgrades.

Services & Support

Aglia HealthCare offers service agreement solutions tailored to the individual customer’s situation. The service agreements are available in Basic, Advantage, and Premier grades, making lifecycle care predictable.

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Battery systems: Two (2) independent systems for driving and braking

Calibration: Manual calibration with 500 mAs

Wireless portable DR-30C (favorable size detector)

- Detector type: Amorphous Silicon Detector (a-Si)
- Detector size: 1980 (79.53”) x 1313 (51.69”) x 1345 (52.95”)
- Focal Spot: 1980 (79.53”)
- Max. SID to floor: 2020 (79.53”)
- Minimal SID to floor: 1150 (45.28”)

Tube arm/stand

- Counterbalanced rod arm
- Tube arm reach: 1,220 mm (48.23”)
- Column rotation: 315°
- Minimal height: 205 mm (8.07”)
- Maximal height: 650 mm (25.60”)

Mobile unit

- Weight: 175 kg (387.6 lbs)
- Size (L x W x H): 1,360 x 770 x 1,980 mm (53.54 x 30.2 x 78.75”)
- Receptor: Amorphous Silicon Detector (a-Si)
- Receptor size: 42.6 x 35 cm (16.77 x 13.78 inch)
- Receptor pitch: 125 μm
- Receptor area: 4,260,000 μm²
- X-ray generator: 20 kW, 32 kW, 40 kW, 50 kW
- Exposures range: 1 - 500 mAs
- Exposure time range: 0.005 - 99.999 sec.
- Tube current range: 50 - 500 mA selectable

Options

- Esc Lot control
- Data Area Product Meter
- Greater column height (1,460 mm)
- Anti-sweat grid with handle

Mobile unit: Wireless

- Charger: IEEE 802.11n
- Detectors: Wireless
- Motor Drive (Standard): 1 battery charger
- Anti-scatter grid: Manual
- Touch screen console: Frontal and Lateral
- Maximum reach: 1000 mm
- Max. input power: 1 kW
- Motion Driver (Standard): Two (2) independent drive motors, one for each wheel (Reversed and reverse)

Wireless DIRECT

- Basic
- Advantage
- PM Only

DX-D 100 WI=

- WIRELESS DETECTOR

g
dPT 20K 10K 0 0.01. 100 kVA

- PRODUCTS

- SERVICES & SUPPORT

- TURN KEY SOLUTIONS

- WIRELESS DIRECT

- SPECIFICATIONS

- DIGITAL & MOBILE

- ELECTRONICS & HARDWARE

- TRAING

- ELECTRONICS & HARDWARE

- TRAING

- WIRELESS DIRECT

- SPECIFICATIONS

- DIGITAL & MOBILE

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The DX-D 100 with wireless detector has been designed to offer full mobility combined with excellent image quality, using a DX-D 30C wireless portable DR detector. The large 16.1-in. display and small width of the unit provide a singlesession, effective handling of the DX-D 100 around the patient, even in very small areas.

Wireless modularity offers improved flexibility

The wireless solution of this mobile solution further increases the already excellent flexibility, improving your overall workflow. And with the wireless cable, there is less chance of picking up dirt or germs from the floor.

View images immediately after exposure

Thanks to the very fast preview times, images can be viewed immediately to verify whether a retake is necessary, without moving the patient. The DX-D 100 with wireless detector has a high-resolution control LED that provides high-resolution of 125 ± 5 pixels/cm, or the patient’s bedside.

Reliable and effective power

The DX-D 100 with wireless detector has a unique split battery for the generator and the motor, offering a long uptime, from when recharging, it can make images, eliminating recharge downtime. What’s more, the powerful X-ray generator has a unique split battery for the generator and displayed on the touch-screen console. No setup for the console changes, and communications seamlessly with either the generator, eliminating manual data entry and typographical errors.

A quick and easy way to go Direct Digital!

With the DX-D 100, you can enjoy the productivity benefits of Direct Digital, including a lower cost per exam. The DX-D 100 also has in-built detector that provides high-resolution of 125 ± 5 pixels/cm, or the patient’s bedside.

Services & Support

Agfa HealthCare offers service agreement solutions tailored to the individual customer’s situation. The service agreements are available in basic, Advantage, and Premium levels, making lifecycle costs predictable.

A worldwide team of 1,500 service professionals is on your disposal to provide support at all phases of your project. As an additional service, they can help you optimise your examination or field-DR potential output, for an even higher return on investment. Furthermore, this team carries out that we provide beyond maintenance, including value-added services such as user support training, system training and software upgrades.

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**GENERATOR VERSIONS**

<table>
<thead>
<tr>
<th>Maximum power kW</th>
<th>100 kW</th>
<th>60 kW</th>
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<tr>
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<td>500 mA</td>
<td>500 mA</td>
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<tr>
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**X-RAY TUBES**

- **Type**: E7865X
- **Maximum power kW**: 20 kW
- **Minimum mA**: 500 mA
- **Nominal mA**: 480 mA
- **Maximum mA**: 320 mA
- **Power Output (0.1 s)**: 125 kVp
- **Power Output (60 Hz)**: 120 kV
- **Maximum kVp**: 200 kVp
- **Maximum mA**: 300 mA
- **Anode rotation speed at 50 Hz**: Minimum 2700 min⁻¹

**Why Agfa HealthCare?**

Agfa HealthCare is a global leader in the fast growing market of integrated IT and imaging systems, offering healthcare facilities a solution that is not only innovative, but one that is also unique, holistic approach, enabling it to provide in-depth clinical know-how and fully integrated hospital-wide solutions.

**ORTHOPAEDICS**

Orthopaedics is a very specific area of medical care, where the highest level of diagnostic accuracy and diagnostic confidence is essential. Agfa HealthCare’s enterprise-wide IT platform integrates all administrative and clinical data within a healthcare facility and is designed to match the unique needs of specific healthcare professionals.

**www.agfahealthcare.com**

DX-D 100 WITH WIRELESS DETECTOR

**MOBILE DR SOLUTION**

**WITH ITS EXCELLENT IMAGE QUALITY AND FLEXIBLE HANDLING, THE MOBILE DX-D 100 WITH WIRELESS DETECTOR OFFERS FAST IMAGING THAT CAN BE VALIDATED IMMEDIATELY.**

- **Fast assessment of images after exposure**
- **Improved patient and operator comfort**
- **Increased productivity for lower cost per exam**
- **Higher image quality, for improved diagnostic confidence**
- **Completely wireless DR detector technology with columnar crystal growth for higher sensitivity (QE)**
- **Easy to operate and position both ergonomically and safely, with wireless portable DR detector and motorized control**
- **MOGICA processing software for excellent contrast detail and exam-independent, consistent image quality**
- **Excellent connectivity to PACS, with HIPAA and IOPS**
- **High-effective-gain power, for shorter exposure times and sharper images**
- **Very large battery capacity to separate battery packs for driving and imaging**
- **Wireless detector for improved flexibility**

**Patients who most need imaging exams may lack the mobility necessary to move to the X-ray room or to position themselves properly for optimal imaging. This is where Agfa HealthCare’s mobile DX-D 100 with wireless detector comes into its own. Designed for bedside use, DX-D 100 can handle a broad range of general radiography, x-ray studio, even for the most mobile patients. The very short exposure time means images are available immediately and can be validated straight away after exposure. The higher productivity and image quality translate into lower cost per exam and higher diagnostic efficiency.**

With superb handling capabilities, it reduces waiting times and increases diagnostic confidence. The wireless detector enhances the flexibility. The DX-D 100 further answers the need for constant enhancement of patient comfort and performance of your radiology department.

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18 South Academy Street
60684 Greenville, SC 29601 USA
MOBIL SYSTEMS
**Generator Versions**

<table>
<thead>
<tr>
<th>Maximum Power kW</th>
<th>20 kW</th>
<th>30 kW</th>
<th>40 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum mA</td>
<td>120 A</td>
<td>160 A</td>
<td>200 A</td>
</tr>
<tr>
<td>Minimal mA</td>
<td>44 A</td>
<td>44 A</td>
<td>44 A</td>
</tr>
<tr>
<td>Maximum kVp</td>
<td>125 kV</td>
<td>150 kV</td>
<td>150 kV</td>
</tr>
</tbody>
</table>

**(Power Output of EU)**

- 120 mA @ 150 kVp
- 150 mA @ 120 kVp
- 200 mA @ 100 kVp
- 250 mA @ 80 kVp
- 300 mA @ 60 kVp
- 350 mA @ 40 kVp

**(Maximum Tube Load Factor)**

- 3.2 kW
- 2000 min⁻¹

**X-Ray Tubes**

<table>
<thead>
<tr>
<th>Type</th>
<th>L79E5S</th>
<th>L79E4S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal voltage</td>
<td>150 kV</td>
<td>120 kV</td>
</tr>
<tr>
<td>Nominal focus spot value</td>
<td>0.1 mm</td>
<td>0.6 mm</td>
</tr>
<tr>
<td>Nominal power small focus</td>
<td>2.1 kW</td>
<td>20 kW</td>
</tr>
<tr>
<td>Nominal power large focus</td>
<td>36 kW</td>
<td>36 kW</td>
</tr>
<tr>
<td>Anode target angle</td>
<td>12°</td>
<td>12°</td>
</tr>
<tr>
<td>Anode diameter</td>
<td>76 mm</td>
<td>76 mm</td>
</tr>
<tr>
<td>Anode heat current</td>
<td>100 A</td>
<td>100 A</td>
</tr>
<tr>
<td>Anode rotation speed at 50 kW</td>
<td>2000 min⁻¹</td>
<td>2000 min⁻¹</td>
</tr>
</tbody>
</table>

### Why Agfa HealthCare?

Agfa HealthCare is a global leader in the fast-growing market of integrated IT and imaging systems, offering healthcare facilities a complete solution of information and a 360° view of patient care. The company has a unique, holistic approach, enabling it to provide in-depth clinical know-how and fully integrated hospital-wide solutions. These specialized solutions integrate IT and imaging systems for Radiology, Cardiology, Neuroradiology, and Orthopaedics. Agfa HealthCare’s enterprise-wide IT platform integrates all administrative and clinical data within a healthcare facility and is designed to match the unique needs of specific healthcare professionals.

[www.agfahealthcare.com](http://www.agfahealthcare.com)

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**DX-D 100 with Wireless Detector**

### With Its Excellent Image Quality and Flexible Handling, the Mobile DX-D 100 with Wireless Detector Offers Fast Imaging That Can Be Validated Immediately.

- Fast assessment of images after exposure
- Improved patient and operator comfort
- Increased productivity for lower cost per exam
- Higher image quality, for improved diagnostic confidence
- Quantum logic DR detector technology with columnar crystal growth for higher sensitivity (QDR)
- Easy to operate and position both specifically and safely, with wireless portable DR detector and motorized control
- MSULCA processing software for excellent contrast detail and exam-independent, consistent image quality
- Excelent connectivity to PACS, HIS, RIS and imaging
- High-effective generator power, for shorter exposure times and sharper images
- Very large battery capacity due to separate battery packs for driving and imaging
- Wireless detector for improved flexibility

**Patients who most need imaging exams may lack the mobility necessary to move to the X-ray room or to position themselves properly for optimal imaging. This is where Agfa HealthCare’s mobile DX-D 100 with wireless detector comes into its own.**

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