### GENERATORS

<table>
<thead>
<tr>
<th>Generator model</th>
<th>SHF 35/455</th>
<th>SHF 52/545</th>
<th>SHF 625/465</th>
<th>SHF 815/465</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input power</td>
<td>3-phase, 380/440/455/460/480 and 600/50/60/100 (additional transformer required for 380 kW generator below 480 Vac)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. power (kW)</td>
<td>32</td>
<td>52</td>
<td>64</td>
<td>88</td>
</tr>
<tr>
<td>Max. mA</td>
<td>480</td>
<td>640</td>
<td>800</td>
<td>640</td>
</tr>
<tr>
<td>Power output</td>
<td>640 mA @ 75 kVp</td>
<td>500 mA @ 100 kVp</td>
<td>500 mA @ 100 kVp</td>
<td>400 mA @ 125 kVp</td>
</tr>
<tr>
<td>Tubes</td>
<td>Toshiba E7239X 1.0 - 2.0 16° 140 Low Housing AEC</td>
<td>Toshiba E7869X 0.6 - 1.2 12° 600 High/Low</td>
<td>Toshiba E7254FX 0.6 - 1.2 12° 400 High/Low</td>
<td>Toshiba E7252X 0.6 - 1.2 12° 300 High/Low</td>
</tr>
<tr>
<td>mA</td>
<td>640</td>
<td>500</td>
<td>640</td>
<td>640</td>
</tr>
<tr>
<td>Range of radiographic parameters</td>
<td>From 10 mA to 800 mA through the following mA stations: 10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640, 800, 1,000, 1,250, 1,600, 2,000, 2,500, 3,200, 4,000, 5,000, 6,400, 8,000, 10,000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

X-RAY TUBES

<table>
<thead>
<tr>
<th>Housing</th>
<th>Focal spot</th>
<th>Target angle</th>
<th>Heat capacity (kHU)</th>
<th>Anode speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toshiba E7239X</td>
<td>1.0 - 2.0</td>
<td>12°</td>
<td>145</td>
<td>Low</td>
</tr>
<tr>
<td>Toshiba E7276X</td>
<td>0.6 - 1.2</td>
<td>12°</td>
<td>190</td>
<td>Low</td>
</tr>
<tr>
<td>Toshiba E7264X</td>
<td>0.6 - 1.2</td>
<td>12°</td>
<td>200</td>
<td>Low</td>
</tr>
<tr>
<td>Toshiba E7252X</td>
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</tr>
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Why Agfa HealthCare?

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### DIRECT RADIOGRAPHY SYSTEM

DX-D 600

The DX-D 600 unites state of the art design with Agfa HealthCare’s top-of-the-line image quality to meet this high productivity solution, with either direct radiography (DR) or mixed DR and computed radiography (CR) capabilities. A family of ceiling mounted systems with configuration ranging from a stand-alone, fully motorised, zero position solution, it is ideal for facilities with a high patient load that are looking to streamline workflow and increase throughput. The DX-D 600 interfaces with the HIS Workstation, which also features the Kryo Jr software, for an integrated workflow that communicates seamlessly with PACS, HIS and RIS. Both the APR and DR systems are downloaded on the soft console when a patient is selected from the HIS Workstation, and the study is selected.

Consistent with the DX-D family the DX-D 600 features Cesium Iodide detector technology, which offers excellent image quality and immediate image availability. Cesium Iodide (Cesium Iodide) can also be integrated, on the customer’s needs, Agfa HealthCare’s unique MUSICA² image processing delivers consistency and superior contrast detail.

- Two-detection, high productivity, high-throughput general radiography system with three configuration options: from manual, to semi-automatic, to fully-automatic.
- DICOM connectivity to PACS, HIS/RIS.
- Superior contrast detail provided by MUSICA² processing, producing exam-independent consistent image quality.
- Cesium iodide DR detector technology, giving significant patient dose reduction potential.
- Can be integrated with Agfa HealthCare CR systems, boding the high quality and flexibility of both technologies.
- Implementation of the new IHE REM/Radiation Exposure Monitoring profile.

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www.agfahealthcare.com

DX-D 600
Agfa HealthCare’s DX-D 600 digital radiography system offers a range of advanced features designed to enhance workflow and improve patient care. It supports a variety of configurations to meet every need.

### Technical Specifications

**Environmental Requirements**

There are no special environmental conditions required for the safe operation of the ceiling assembly. However, it is not designed for the use in the presence of explosive or flammable gases as might be found in operating rooms.

- **Air pressure**
  - Minimum 900 hPa
  - Maximum 1,060 hPa

- **Ambient temperature**
  - Minimum -40°C
  - Maximum 40°C

- **Relative humidity**
  - Minimum 10%
  - Maximum 80%

- **Atmospheric pressure**
  - Minimum 500 hPa
  - Maximum 1,060 hPa

- **Inherent filtration**
  - 2 mm Aluminum

**Detector**

- **Image quality**
  - Excellent DR image quality.

- **Contrast detail**
  - Exam-independent, it ensures consistent image quality and potential for significant dose reduction.

### Detector Technology

- **Detector technology with three reduction potential**
  - The DX-D 600 utilizes the latest in CR and C Falco technology, for high quality and high productivity.

### Radiographic Table

- **Horizontal tracking for the table**, together with auto-contoured, honed, and sealed table bucky is vertical tracking, and the fully-automated design enables quick and effortless manual positioning, a must for emergency situations.

### Operating Environment

- **Minimum space requirements**
  - 4,060 mm (160 in) table height
  - 4,060 mm (160 in) table top length

- **Maximum space requirements**
  - 4,060 mm (160 in) table height
  - 4,060 mm (160 in) table top length

### Imaging Cycle Time

- **Matrix Superior**
  - 43 x 43 cm 3,072 x 3,072 pixels
  - 43 x 35 cm 3,072 x 2,560 pixels

### Patient Table

- **Maximum patient weight**
  - 300 kg (661.39 lbs)

### Translation Storage

- **Temperature range**
  - -10°C to 60°C

- **Humidity Range**
  - 10% to 70%

- **Motion range**
  - Maximum 40° C

### PRODUCT WEIGHT

- **Patient table**
  - 60 kg (132.28 lbs)

- **Cartige**
  - 43 kg (94.61 lbs)

- **GoLem**
  - 28.2 kg (62.42 lbs)

- **Table base**
  - 6.5 kg (14.32 lbs)

- **Cartige cover**
  - 0.25 kg (0.55 lbs)

- **Panel cover**
  - 0.13 kg (0.28 lbs)

### ELECTRICAL REQUIREMENTS

- **Frequency**
  - 50 Hz

- **Line voltage**
  - 3-phase, 380/400/415/440 V (50/60 Hz)

- **Output power**
  - 216 kW (300 kVA)

- **Power consumption**
  - 120 kW (160 kW)

- **Cooling**
  - 2,200 - 2,600 m³ (8.43 - 9.08 ft³)

### INSTALLATION DATA

- **Minimum installation space**
  - 120 x 120 x 120 cm (47 x 47 x 47 in)

### SYSTEM ACCESSORIES

- **Seleccionation**
  - 150/180 cm option

- **Automatic exposure control**
  - ± 10 %

- **Radiation area**
  - 150/180 cm option

- **Automatic exposure control**
  - 150/180 cm option

- **Scanner radiation**
  - Cesium Iodide/GOS

### DETECTOR

- **Image size**
  - 3,072 x 3,072 pixels

- **Resolution**
  - 9.6 megapixels

- **Contrast detail**
  - Excellent DR image quality.
MUSCA²: tuned for the best results
Agfa Healthcare’s gold standard MUSCA² imaging processing has been specially adapted and tuned to enhance the DX-D image quality.

Data-independent, it ensures consistent image quality and high frame rate. The superior image quality also gives the potential for significant dose reduction. And, with the same look and feel as Agfa Healthcare’s NX system, it can be further improved in the integrated DR radiography units.

Detector technology with three reduction potential
The DX-D 600 utilizes the benefit of GOS and Cesium Iodide technology, for high quality and high productivity. The superior image quality of the Cesium Iodide offers the potential for significant dose decrease, while maintaining the same look and feel as the MUSCA² image processing (additional). Additionally, with the extended dose reporting radiology supervisors can search the NX database, in order to search reports made by different departments (additional).

Combine CR flexibility and DR performance
The DX-D 600 is the perfect choice for the extended dose reporting and DR radiology supervisors. The potential for significant dose reduction.

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There are no special environmental conditions required for wall-mounted or ceiling-ceiling mounting of the ceiling system. However, it is not designed for the use in the presence of explosive or flammable gases as might be found in operating rooms.

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Detector technology with three reduction potential

The DX-D 600 offers the choice of GOS and Cesium Iodide technology, for high quality and high productivity. The superior image quality of the Cesium Iodide offers the potential for significant dose dose reduction, while the immediate availability of image speeds up workflow and reduces patient waiting times. Additionally, with the extended dose reporting taking imaging supervisors can search the NX database, in order to improve reports and determine department dose performance based on the Exposure Index.

Combine DR flexibility and DR performance

The DX-D 600 can be integrated with Agfa HealthCare’s CR systems, such as the IG-D and IBM, built on crystal detector technology, the combined systems offer high light image quality and potential for dose reduction of DR, with the flexibility of cassette-based CR systems.

Services & Support

Agfa HealthCare offers service agreements tailored to the individual customer’s situation. The service agreements offer maintenance, value added services such as super user training, staff training and extended maintenance. However, it is not designed for the use in the presence of explosive or flammable gases as might be found in operating rooms.

Detector technology with three reduction potential

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Dose reduction technology with three reduction potential

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**X-RAY TUBES**

**Housing**

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<tr>
<td>Toshiba E7869X</td>
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</tr>
<tr>
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<td>12°</td>
<td>250</td>
<td>Low</td>
</tr>
<tr>
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<td>Low</td>
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<td>600</td>
<td>High/Low</td>
</tr>
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</table>

**Power output**

- **0.1 s:**
  - 640 mA @ 70 kVp
  - 500 mA @ 100 kVp
  - 400 mA @ 125 kVp
  - 320 mA @ 150 kVp

- **1 ms:**
  - 400 mA @ 300 kVp
  - 320 mA @ 350 kVp
  - 250 mA @ 350 kVp

- **800 ms:**
  - 160 mA @ 350 kVp
  - 125 mA @ 350 kVp
  - 100 mA @ 350 kVp
  - 75 mA @ 350 kVp

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  - 640 mA @ 70 kVp
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  - 160 mA @ 350 kVp
  - 125 mA @ 350 kVp
  - 100 mA @ 350 kVp
  - 75 mA @ 350 kVp

**Tubes**

- **From 10 mA to 800 mA through the following mA stations:** 10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640, 800.
- **From 1 to 10,000 milliseconds through the following time stations:** 1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, 25, 30, 40, 50, 60, 100, 120, 150, 200, 250, 300, 400, 500, 600, 800, 1000, 1200, 1500, 2000, 2500, 3000, 4000, 5000, 6000.
- **Product of mA x time values from 0.1 mAs to 500 mAs**

**Range of radiographic parameters**

- **mA**
  - From 10 mA to 800 mA through the following mA stations: 10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640, 800.
- **mAs**
  - From 10 mAs to 8000 mAs through the following mAs stations: 10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640, 800, 1000, 1200, 1500, 2000, 2500, 3000, 4000, 5000, 6000.
- **Tubes**
  - Toshiba E7869X: 0.6 - 1.2, 12°, 600 High/Low
  - Toshiba E7254FX: 0.6 - 1.2, 12°, 400 High/Low
  - Toshiba E7252X: 0.6 - 1.2, 12°, 300 High/Low
  - Toshiba E7884X: 0.6 - 1.2, 12°, 300 Low
  - Toshiba E7876X: 0.6 - 1.2, 12°, 230 Low

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DIRECT RADIOGRAPHY SYSTEM

DX-D 600


- Two-detector, high productivity, high-throughput general radiography system with three configuration options: from manual, to semi-automatic, to fully-automatic.
- DICOM connectivity to PACS, HIS/RIS.
- Superior contrast detail provided by MUSICA² technology (Gadolinium Oxy-Sulphide) can also be integrated, radiated to the customer’s needs.
- Agfa HealthCare’s unique MUSICA² image processing delivers consistency and superior contrast detail.

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**DIRECT RADIOGRAPHY SYSTEM**

**DX-D 600**

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<td>640</td>
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<td>640</td>
<td>800</td>
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<td>640 mA @ 100 kVp</td>
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<td>640</td>
<td>640</td>
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**RANGE OF RADIOGRAPHIC PARAMETERS**

- **Tube**: Toshiba E7239X 1.0 - 2.0 140 Low
- **Housing**: AEC
- **mA**: 0.1 mAs to 500 mAs exposure time: Nominal shortest irradiation time = 1 ms
- **mAs**: Product of mA x time values from 0.1 mAs to 500 mAs

**PRODUCT CARTESIAN OF DX-D 600**

**DIRECT RADIOGRAPHY SYSTEM WITH STATE-OF-THE-ART DESIGN IN THREE CONFIGURATION OPTIONS.**

- Two-detector, high productivity, high-throughput general radiography system with three configuration options: from manual, to semi-automatic, to fully-automatic.
- DICOM connectivity to PACS, HIS/RIS.
- Superior contrast detail provided by MUSICA² technology (Gadolinium Oxy-Sulphide) can also be integrated, radiated to the customer‟s needs. Agfa HealthCare’s unique MUSICA² image processing delivers consistency and superior contrast detail.

- Consistent with the DX-D family, the DX-D 600 features Cesium Iodide detector technology, which offers excellent image quality and immediate image availability. GOS technology (Gadolinium Oxy-Sulphide) can also be integrated, radiated to the customer‟s needs. Agfa HealthCare’s unique MUSICA² image processing delivers consistency and superior contrast detail.

- Consistent with the DX-D family, the DX-D 600 features Cesium Iodide detector technology, giving significant patient dose reduction potential.

- Can be integrated with Agfa HealthCare CR systems, bundling the high quality and flexibility strengths of each technology.

- Implementation of the new IHE REM (Radiation Exposure Monitoring) profile.

**DX-D 600**

**DIRECT RADIOGRAPHY SYSTEM**

**DX-D 600**

**HIGH PRODUCTIVITY, EXCELLENT IMAGE QUALITY, DIRECT RADIOGRAPHY SYSTEM**

- Two-detector, high productivity, high-throughput general radiography system with three configuration options: from manual, to semi-automatic, to fully-automatic.
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- The DX-D 600 unites state-of-the-art design with Agfa HealthCare’s top-of-the-line image quality to meet this high productivity solution, with either direct radiography (SR) or mixed DR and computed radiography (CR) capabilities. A family of ceiling mounted systems with configuration ranging from a manual to fully motorized, various positioning options, it is ideal for facilities with a high patient load but are lacking to streamline workflow and increase throughput. The DX-D 600 interfaces with the HIS Workstation, which also features the TrayNet software, as an integrated workflow that communicates seamlessly with PACS, HIS and RIS. Both X-ray and EKG parameters are downloaded on the soft console when a patient is selected from the HIS-DR via the Workstation, and the study is selected.

- Consistent with the DX-D family, the DX-D 600 features Cesium Iodide detector technology, which offers excellent image quality and immediate image availability. GOS technology (Gadolinium Oxy-Sulphide) can also be integrated, radiated to the customer’s needs. Agfa HealthCare’s unique MUSICA² image processing delivers consistency and superior contrast detail.