

## **X**-DRS Mobile 320

### Technical Specifications



### Electrical Specifications

<b>Mains connection</b>	115 Vac / 230 Vac $\pm$ 10 %, standard monophase with ground conductor. Automatic setting of the equipment according to mains voltage
<b>Frequency</b>	50 Hz / 60 Hz $\pm$ 5 Hz
<b>Absorbed current</b>	10 A
<b>Line compensation</b>	Automatic
<b>Line resistance</b>	< 1 $\Omega$ @ 115 / 230 Vac
<b>Standard socket</b>	16 A @ 230 Vac
<b>Power supply cable</b>	8 m
<b>Protection class</b>	IP X $\emptyset$

### Mechanical Specifications

<b>W x L x H (in transport position)</b>	618 mm x 1366 mm x 1444 mm
<b>Transport handle height</b>	949 mm
<b>Focus-ground distance (Z-axis)</b>	417 mm ÷ 2092 mm
<b>Max. height</b>	2333 mm
<b>Rotation of the monobloc</b>	Around the arm axis ( $\alpha$ swivel): $\pm$ 180° Around its axis ( $\alpha$ swivel): 151° (102° ahead, 49° back)
<b>Movement</b>	Manual with dead man parking brake
<b>Weight</b>	170 kg
<b>Environmental Conditions</b>	<b>Operating Temperature:</b> <ul style="list-style-type: none"><li>• 10° C to 40° C (50° F to 104° F)</li><li>• Humidity: 30 % to 75 % (non-condensing)</li><li>• Atmospheric pressure: 700 hPa to 1060 hPa</li></ul> <b>Transport / Storage</b> <ul style="list-style-type: none"><li>• Temperature: -25° C to 70° C (-4° F to 122° F)</li><li>• Humidity: 10 % to 90 % (non-condensing)</li><li>• Atmospheric pressure: 500 hPa to 1060 hPa</li></ul>

## X-ray Specifications

<b>Nominal power (IEC 60601-1)</b>	32 kW @ 100 kV, 320 mA, 100 ms
<b>kV variation range</b>	40 ÷ 125 kV at steps of 1 kV
<b>mA variation range</b>	50 ÷ 400 mA
<b>mAs variation range</b>	0.1 ÷ 220 mAs
<b>Exposure times range</b>	0.001 ÷ 2.2 s according to mAs

## X-ray group

<b>Monoblock</b>	<ul style="list-style-type: none"> <li>• Max. power (100 kV - 320 mA): 32 kW</li> <li>• Max voltage at the tube: 125 kV</li> <li>• Max current at the tube: 450 mA</li> <li>• Min. inherent filtration @ 75 kV: 1.1 mm Al</li> <li>• Thermal capacity available: 500 kJ</li> <li>• Continuous thermal dissipation: 55 W</li> <li>• Weight: 19.4 kg</li> </ul>
<b>X-ray tube</b>	<ul style="list-style-type: none"> <li>• Rotation speed: 3000 min<sup>-1</sup></li> <li>• Nominal High voltage: 130 kVp</li> <li>• Nominal focus dim. (IEC 60336): 0.8 mm small focus, 1.3 mm large focus</li> <li>• Nominal anodic power (IEC 60613): 16 kW small focus, 32 kW large focus</li> <li>• Thermal capacity of the anode: 80 kJ (107 KHU)</li> <li>• Max continuous anode dissipation: 300 W</li> <li>• Min. inherent filtration (IEC 522): 0.7 mm Al</li> </ul>
<b>Collimator</b>	<ul style="list-style-type: none"> <li>• Collimation: Manual with internal light source, multilayer, squared field.</li> <li>• Coverage of the field at 100 cm FFD (SID): min 0 x 0 cm, max 43 x 43 cm</li> <li>• Lighting source: Clusters of high-brightness LED power</li> <li>• Focal distance measurement: Retractable tape measure (max extension 3 m)</li> <li>• Rotation: ± 120°</li> <li>• Weight: 5.5 kg</li> <li>• Inherent filtration @ 75 kV: 2 mm Al</li> </ul>

## Detector

Selectable Detectors	X-DR L WiFi	X-DR L WiFi Premium
<b>Pixel Size</b>	150 µm	100 µm
<b>Pixel Matrix</b>	2304 x 2800	3500 x 4300
<b>Weight</b>	3.4 kg	2.8 kg
<b>Protection Class</b>	IPX1	IP56
<b>Uniform Load</b>	150 kg	300 kg
<b>Local Load</b>	100 kg (4 cm diameter)	150 kg (4 cm diameter)

## Panel PC

<b>CPU</b>	Intel® Core™ i7
<b>RAM</b>	4 GB
<b>Mass Storage</b>	60 GB SSD, 460 GB HDD
<b>Network</b>	Gigabit LAN RJ45, WLAN IEEE 802.11 ac / a / b / g / n
<b>Display</b>	19", 1280 x 1024, multi-touch screen
<b>Operating System</b>	Windows 10 IoT

## Software

<b>Configurations</b>	<a href="#">EXAMION X-AQS DICOM Modality SCU</a> <ul style="list-style-type: none"><li>• DICOM Worklist SCU</li><li>• DICOM Store SCU</li></ul> <a href="#">EXAMION X-AQS PACS</a> <ul style="list-style-type: none"><li>• Integrated Mini-PACS</li></ul>
-----------------------	--