Philips Allura Xper FD20 Tech Specs (Technical Specifications)

Allura Xper FD-20 Gantry/ Table

- Type: Single Plane
- PA Gantry Configuration: C (CLEA)
- Depth: 95 cm (37.4 in.)
- Rao projection: 185 head
- Lao projection: 120 head
- Rotation rate, deg/sec: Variable up to 25
- Cranial-to-caudal angulation, deg 90/90
- Sid range: 89.5-119.5 cm (35-47 in.)
- Motorized Gantry/ Table
- Counterbalanced Direct drive
- Mount Configurations: Ceiling-suspended or floor-mounted
- Park capability: Yes

Power Consumption

- General system: 480 VAC; 60 Hz; 3-phase
- X-ray generator: Supplied by system

Siting Requirements

- Room Size Needed 7.6m x 5.3m (24.9 ft x 17.4 ft)
- Minimum Room Height Needed: 2.9 m (9.5 ft.)

Supplementals

- 3D-RA, XperCT, 3D roadmap, XperGuide, StentBoost, 3D-CA, bolus chase subtraction, SmartMask,
- Exposure control
- Last image hold: Yes
- Virtual collimation using lih: Yes
- Auto-adjustable copper filtration: Yes
- Dose monitoring: Yes
- Rotational Angiography: 55
- Cone beam ct acquisition: Optional
- Ct image reconstruction: 25 or 60 seconds (dataset size dependent)

Imaging Features

- 512 x 512 60 fps
• 1024 x 1024 15 and 30 fps
• Other 2048 x 2048, 0.5 to 6 fps

X-ray generator

• Generator: High frequency
• Power rating (kw): @ 100 kvp 100
• Radiographic (ma): 1-1,250
• Radiographic (kv): 40-125
• Radiographic timer: 2 ms-4 sec
• Fluoroscopic (ma): 60 mA nominal for pulsed fluoro
• Fluoroscopic (kv): 40-125
• Pulsed fluoroscopy: Grid switched
• Cine camera range: 15, 30, and 60 fps optional
• Full in-room control: Yes

Allura Xper FD20 X-Ray Tube

• Maximum Number of X-ray tubes: 1
• Heat storage capacity: 5400000 hu
• Heat dissipation rate: 910000 hu/min
• Focal spot size: 0.4/0.7 mm (MRC)
• Grid pulsed: Yes
• Target angle: 11 degrees
• Cooling method: Recirculating oil
• X-ray density:

Allura Xper FD20 Detector

• Generator: aSi detector with CsI scintillator
• Dimensions: 40cm x 30cm (15.7 in. x 11.8 in.)
• Pixel Size: 154mm x 154mm
• Bit depth: 14
• Max frame rate: 60 fps

Image storage

• 1024 x 1024, Images: 50000
• Additional Storage: up to 100,000 images
• Digital imaging system: Integrated
Patient Table

- Maximum patient load: 250 kg (550 lbs) with additional 50 kg (110 lbs) for CPR
- Movement: 4-way floating, Xper table
- Dimensions (l x w): 319 cm x 50 cm (125.5 in. x 20 in.)
- Vertical: 79-107 cm (31-42 in.)
- Lateral: +/-18 cm (7.1 in.)
- Longitudinal: 125 cm (49.2 in.)

Other Philips Allura Xper FD20 Specifications

- Number of Monitors: 2 control room, 2 exam room
- Monitor sizes: 18-inches LCD
- DICOM 3.0 Compliant: Yes
- Specified Use: Cardiovascular, vascular, surgery
- Other Specifications: 2k imaging chain, BodyGuard patient collision avoidance.
- FDA Clearance: Yes
- CE MARK: Yes
- Marketing Region: Worldwide