

Philips BV-300 C-Arm



Integrity Medical Systems, Inc.

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X-ray System

Specialty Packages Available

- Extended Processing
- Vascular Functions
- Extended Vascular Functions

Generator

- 2.1 kW full-wave
- Up to 110 kVp
- Up to 20 mA for radiographic film exposures
- Continuous fluoro boost mode up to 7.3 mA
- Full power from outlet
 - 50 Hz or 60 Hz
 - 100V-15A to 240V-10A

X-Ray Tube

- Fixed Anode X-ray tube
- Focal spots: 0.6 mm and 1.4 mm
- Anode heat capacity: 50,100 HU
- Anode cooling rate: 20,200 HU/min
- Housing heat capacity: 1,200,00 HU
- Anode angle: 12°

Collimator

- Iris collimation with dual opposing lead shutters allowing elliptical, round, and rectangular collimation.
- Minimum beam size < 5x5 cm²
- Iris and shutters are continuously variable
- All functions remotely controlled from the C-Arm control panel

Fluoroscopy Mode

- Focal spot: 0.6 mm
- kVp range: 40 – 110 kVp
- mA range: 0.1 – 3.1 mA Low Dose fluoro mode
- mA range: 0.2 – 7.3 mA continuous High Definition fluoro boost mode
- Auto and manual modes
- Continuous or Pulsed operation
- APF varies mA, kVp and camera gain
- User specific APF tables

Pulsed Fluoroscopy Mode (Optional)

- Focal Spot: 0.6 mm
- kVp range: 40 – 120 kVp
- mA range: 0.4 – 12 mA
- Pulse rate: 6.25 or 12.5 pulses per second
- Pulse width: 11 to 37 milliseconds
- Computer controlled APF, mA, kVp and camera gain

Pulsed Fluorography Mode (Optional)

- Focal Spot: 0.6 mm
- kVp range: 40 – 110 kVp
- mA range: up to 60 mA
- Pulse rate: 3 to 30 pulses per second (optional)
- Pulse width: 8.0 / 9.5 / 11.1 milliseconds
- Computer controlled camera iris, mA, kVp, & camera gain

Radiographic Mode

- Focal Spot: 1.4 mm
- kVp range: 40 – 105 kVp
- Fixed 20 mA

Video Imaging System

Image Intensifier

9 inch Image Intensifier

- Tri-mode 9 in / 7 in / 5 in image intensifier
- 9 inch: 1.6 lp/mm
- 7 inch: 2.2 lp/mm
- 5 inch: 2.9 lp/mm
- DQE: 65% (typical)

12 inch Image Intensifier (optional)

- Tri-mode 12 in / 9 in / 7 in image
- 12 inch: 1.2 lp/mm
- 9 inch: 1.6 lp/mm
- 7 inch: 2.2 lp/mm
- DQE: 65% (typical)

Video Camera

- High resolution CCD camera
- 525 line/frame
- 360° motorized rotation
- Left-right image reversal
- Top-bottom image reversal
- Negative mode
- Computer controlled features: (optional)
 - Gain
 - Blanking
 - Camera Iris

Video Monitors

- Dual 17 in standard resolution, anti-glare, anti-static
- Ambient room light sensor
- Multi-LED X-Ray "ON" indicator

C-Arm Dimensions:

- Height: 69 / 89 in (1755 / 2260 mm)
- Width: 35 in (890 mm)
- Length: 72 in (1830 mm)
- Weight: 695 lbs (320 kg)

Workstation Dimensions:

- Height: 69 in (1755 mm)
- Width: 37 in (940 mm)
- Depth: 37 in (940 mm)
- Weight: 465 lbs (210 kg)

Hardcopy Options

- Thermal printer (optional)
- DICOM (optional)
- Image Capture Device (optional)

Actual configuration on the unit may vary.
Contact a sales representative for a complete list of details.

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