

# 9800 Specifications

## Specialty Packages Available

- GSP
- ESP
- ESP 8 FPS
- Vascular
- Vascular 8/15 FPS
- Neurovascular 30 FPS
- Cardiac 30 FPS
- Super C

## Generator

- 60 kHz High frequency
- 15 kW full-wave
- Up to 120 kVp
- Up to 75 mA for radiographic film exposures
- Continuous fluoro boost mode up to 20 mA
- Pulsed fluoro mode
- Pulsed fluorography mode up to 40 mA (optional)
- Full power from outlet: - 50 Hz or 60 Hz - 100V-15A to 240V-10A
- Patented energy buffer design

## X-Ray Tube

- Rotating anode X-ray tube
- Focal spots: 0.3 mm and 0.6 mm
- Anode heat capacity: 300,000 HU
- Anode cooling rate: 60,000 HU/min
- Housing heat capacity: 1,600,000 HU
- Anode diameter: 3.1 in
- Anode angle: 10°
- X-ray tube cooling fan (Vascular, Neurovascular & Cardiac units)

## Collimator

- Iris collimation with dual opposing semitransparent leaf shutters allow elliptical, round and rectangular collimation
- Minimum beam size < 5 X 5 cm<sup>2</sup>
- Iris and shutters are continuously variable
- All functions remotely controlled from the C-Arm control panel

## Fluoroscopy Mode

- Focal spot: 0.3 mm
- kVp range: 40 – 120 kVp
- mA range: 0.2 – 10 mA normal mode
- mA range: 0.2 – 20 mA continuous fluoro boost mode
- Auto and manual modes
- Continuous, one-shot or pulsed operation
- ABS varies mA, kVp and camera gain
- User specific ABS tables

## Pulsed Fluoroscopy Mode

- Focal spot: 0.3 mm
- kVp range: 40 – 120 kVp
- mA range: 0.2 – 10 mA
- Pulse rate: 1, 2, 4, or 8 pulses per second
- Pulse width: 30 or 50 milliseconds
- Computer controlled ABS, mA, kVp and camera gain

## Pulsed Fluorography Mode (optional)

- Focal spot: 0.3 mm
- kVp range: 40 – 120 kVp
- mA range: Up to 40 mA
- Pulse rate: 1, 2, 4, or 8 pulses per second
- Pulse width: 30 or 50 milliseconds
- Computer controlled camera iris, mA, kVp, & camera gain

## Digital Spot Mode

- Focal spot: 0.3 mm
- kVp range: 40 – 120 kVp
- mA range: 1.0 – 75 mA
- Automatically terminates exposure and stores enhanced image to storage archival disk

## Radiographic Mode

- Focal spot: 0.3 mm or 0.6 mm
- Focal spot automatically selected
- kVp range: 50 – 120 kVp
- 0.3 mm - mAs range: 1 – 100 mAs
- 0.6 mm - mAs range: 110 – 300 mAs

## 9 in Image Intensifier

- Tri-mode 9 in/6 in/4.5 in image intensifier
  - 9 in.: 2.3 lp/mm
  - 6 in.: 3.2 lp/mm
  - 4.5 in.: 3.8 lp/mm
- DQE: 65% (typical)
- 12 in Image Intensifier (optional)
- Tri-mode 12 in/9 in/6 in image intensifier
  - 12 in.: 1.7 lp/mm
  - 9 in.: 2.3 lp/mm
  - 6 in.: 3.0 lp/mm
- DQE: 65% (typical)

## Video Camera

- High resolution CCD camera
- 1,004 x 1,004 pixels
- Full frame capture
- 360° motorized rotation
- On-screen orientation indicator (realtime feedback without fluoro)
- Left-right image reversal
- Top-bottom image reversal
- Negative mode
- Computer controlled features:
  - Gain
  - Blanking
  - Camera iris

## Video Monitors

- Dual 16 in, black etched, anti-glare, anti-static
- Touch Screen Display
- Ambient room light sensor
- Multi-LED X-ray "ON" indicator
- Remote window/level controls

## Hardcopy Options

- Thermal printer (optional)
- DICOM (optional)
- Image Capture Device (optional)
- Laser aiming device (optional)

## C-Arm Dimensions

- Height: 69 / 87 in (1734 / 2191 mm)
- Width: 33 in (838 mm)
- Length: 79 in (1994 mm)
- Weight: 720 lbs

## Workstation Dimensions

- Height: 64 in (1632 mm)
- Width: 27 in (692 mm)
- Depth: 27 in (692 mm)
- Weight: 430 lbs.