



9" I.I. System With Super-C Option Shown

GE OEC 9800 Surgical C-Arm System

The GE OEC 9800 C-Arm System is a versatile unit designed with multiple x-ray applications in mind. The 9800 can be used in Pain Management, Orthopedics, Vascular and Neurovascular environments. An upgrade from the 9600, the 9800 now offers 1K x 1K image resolution, better image quality with lower x-ray dosage due to new imaging software, and touch screen operation, on top of the already excellent penetration power, and excellent image quality.

Includes the following:

Software Options:

- GSP – General Surgical Package
- ESP – Expanded Surgical Package (optional 8 Frames Per Sec)
- Vascular Package (8/15 Frames Per Sec)

- Nero Vascular Package (30 Frames Per Sec)
- Cardiac Package (30 Frames Per Sec)



Super-C: (optional):

- Adds Extra 7" Of Depth To Arc Of C-Arm
- Allows 148 Degrees Of Orbital Rotation
- Not Available With 12" Image Intensifier

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 20mA
- 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 cm²

- 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 - 5.0 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: 0.2 - 40.0 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

Digital Spot Mode (optional):

Standard with the Expanded Surgical Platform (ESP)

- Enhanced digital fluorographic oneshot with 12 mA boost
- 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
- 0.3 mm - mAs range: 1 - 100 mAs
- 0.6 mm - mAs range: 110 - 300 mAs
- kVp range: 50 - 120 kVp



9 in Image Intensifier:

- Tri-mode 9 in. / 6 in. / 4.5 in. image intensifier
- Minimum central resolution (at the monitor):
 - 9 in.: 1.4 lp/mm
 - 6 in.: 2.0 lp/mm
 - 4.5 in.: 2.4 lp/mm
- DQE: 65% (typical)

12 in Image Intensifier (optional):

- Tri-mode 12 in. / 9 in. / 6 in. image intensifier
- Minimum central resolution (at the monitor):
 - 12 in.: 1.0 lp/mm
 - 9 in.: 1.3 lp/mm
 - 6 in.: 1.6 lp/mm
- DQE: 65% (typical)

Video Camera:

- High resolution CCD camera
- Full frame capture
- 360° motorized rotation
- On-screen orientation indicator (realtime feedback without fluoro)
- Left-right image reversal
- Top-bottom image reversal
- Negative mode
- Video signal: Standard RS 170A 60 Hz, 525 lines
- Aspect ratio: 4:3
- Computer controlled features:
 - Gain
 - Blanking
 - Camera iris

Video Monitors:

- Dual 16 in square, black etched, anti-glare, anti-static
- 525 lines/frame - 512 pixels
- Ambient room light sensor
- Multi-LED X-ray "ON" indicator
- Remote window/level controls



Hardcopy Options:

- Thermal printer
- External DICOM box
- Laser aiming device (optional)

C-Arm Dimensions:

- Height: 68 / 86 in (1734 / 2191 mm)
- Width: 33 in (838 mm)
- Length: 78 in (1994 mm)
- Weight: 720 lbs.

Workstation Dimensions:

- Height: 64 in (1632 mm)
- Width: 27 in (692 mm)
- Depth: 27 in (692 mm)