



9" I.I. System Shown

## **GE OEC 9600 Surgical C-Arm System**

The GE OEC 9600 C-Arm System is a versatile unit designed with multiple x-ray applications in mind. The 9600 can be used in Pain Management, Orthopedics, Vascular and Neurovascular environments. The system offers superior image quality with top-notch resolution, as well as some of the best penetration power when compared to other brands.

Includes the following:

### **Software Options:**

- GSP – General Surgical Package
- ESP – Expanded Surgical Package
- Vascular Package (4/8/15 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:**

- High frequency
- 4.0 kW full-wave
- Up to 120 kVp
- Up to 75 mA for radiographic film exposures
- Continuous fluoro boost mode up to 12 mA (optional)
- Pulsed fluoro mode
- Pulsed fluorography mode up to 40 mA (optional)
- Full power from outlet:
  - 50 Hz or 60 Hz
  - 100V-15A to 240V-8A
- 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:
  - 8.5 in. (9-inch Image Intensifier)
  - 10 in. (12-inch Image Intensifier)
- X-ray tube cooling fan (Vascular, Neurovascular & Cardiac units)

### **Collimator:**

- Iris collimation with dual opposing semi-transparent shutters allow elliptical, round and rectangular collimation
- 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 - 5.0 mA normal mode
  
- mA range: 1.0 - 12 mA continuous fluoro boost mode
- Auto and manual modes
- Continuous, one-shot or pulsed operation
- ABS varies mA, kVp and came

### **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 one shot 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

### **Image Intensifier 9 in Image Intensifier:**

- Tri-mode 9/ 6/ 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/ 9/ 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
- Image Capture Device
- 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)
- Weight: 430 lbs.