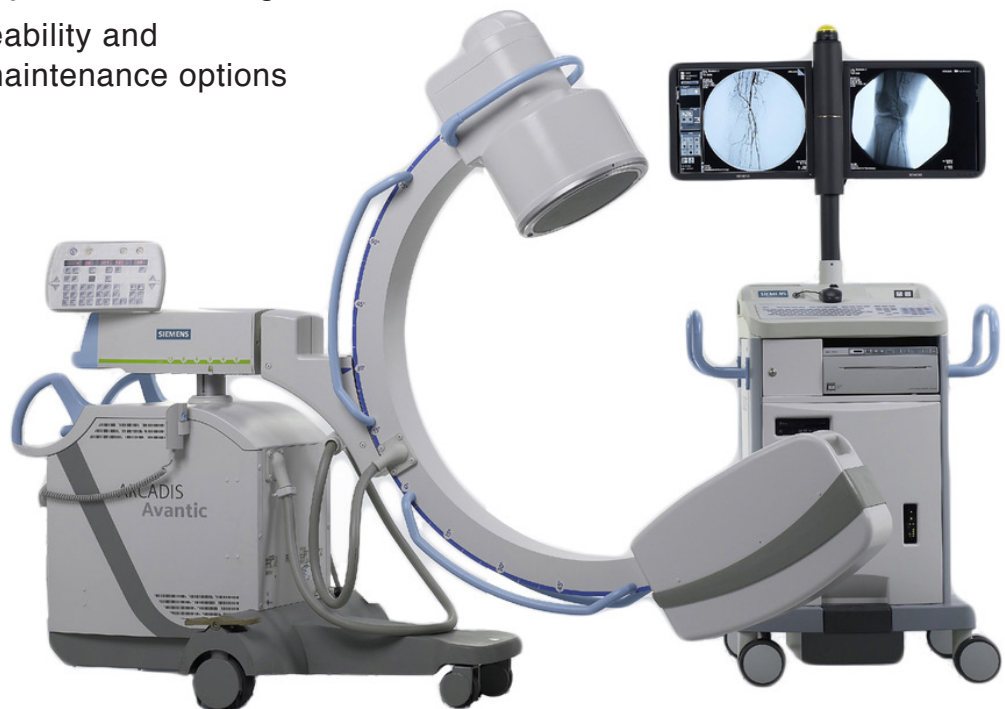




The current ARCADIS generation takes you to a completely new level of clinical excellence. From image quality to operability, from versatility to efficiency, the innovative features of ARCADIS Avantic are aimed to set new benchmarks – with outstanding functionalities that make excellent imaging a snap and an overall ergonomic concept that will redefine your clinical workflow in many fields of practice. ARCADIS Avantic features large power reserves with a generator power of 25 kW, high tube currents of up to 250 mA, and high endurance through 2.57 MHU (Mega Heat Units) heat capacity.

Features

- Powerful performance
- Precise Imaging with larger field of view
- Easiest Operation
- Improved Clinical Workflow
- Maximum flexibility in data handling
- Improved Serviceability and comprehensive maintenance options



Specifications

C-Arm

Orbital Movement: 132° (- 42° to + 90°)

Angulation: ± 190°

Horizontal Movement: 20 cm (7.9")

Immersion Depth: 73 cm (28.7")

Swivel Range: ± 1:0°

Vertical Travel: 38 cm (15"), motorized

Source-I.I. Distance: 100 cm (39.4")

Free Space: 78 cm (30.7")

X-Ray Generator / Tube Unit

POWERPHOS High-Frequency Generator

Power Output: 15 kW

Max. Pulsed Output: 25 kW

Inverter Control Frequency: 15 kHz to 35 kHz

kV Range: 40 kV to 125 kV

Digital Radiography: up to 250 mA

Fluoroscopy: 0.2 mA to 15.2 mA (max. 1000 watts)

Power Mode: enables temporary max. output in continuous fluoroscopy

Pulsed Fluoroscopy: up to 67 mA

Pulse Rate: up to 8 p/s, up to 15 p/s

DCM* (Digital Cine Mode): up to 250 mA

Minimum Pulse Width: 7 ms

Pulse Rate: up to 30 p/s

Heat Storage Capacity of POWERPHOS Housing: 1,900,000 J, 2,565,000 HU

Single Tank With Dual-Focus Rotating Anode Tube

Focal Spot Nominal Value: 0.3 / 0.5

Nominal Voltage: 125 kV

Heat Storage Capacity of Anode: 200,000 J, 270,000 HU

Optical Anode Angle: 10°

Inherent Filtration: ≥ 2.5 mm Al; 0.1 mm Cu

Anode Drive: up to 10,800 RPM

Collimator System

Iris Diaphragm: for concentric, radiation-free collimation

Semi-Transparent Slot Diaphragm: for symmetric, radiation-free collimation, with unlimited rotation



Specifications

Operating Data

Power requirements: 100 V, 110 V, 120 V, 127 V, 200 V, 230 V, 240 V ($\pm 10\%$); 50/60 Hz (± 1 Hz)

Device fusing (internal): 100 V to 127 V 20 A slow-blow fuse
200 V to 240 V 15 A slow-blow fuse

Environmental Conditions (Operating)

Temperature Range: + 15°C to + 35°C

Relative Humidity: 15% to 75%, non-condensing

Barometric Pressure: 700 hPa to 1060 hPaM

Weight

C-arm Chassis: 347 kg (765 lbs) (without accessories)

Trolley With Integrated UPS: 188 kg (415 lbs) (without accessories)

Data Transfer and Documentation

Image storage: 60,000 images on hard disk in 1K2 matrix

WLAN: WLAN-Client module with Ethernet connection for wireless transmission of DICOM image data, e.g. to a PACS

DICOM Offline Media (CD/DVD):

- For documenting images on CD/DVD in DICOM and bmp format
- DICOM Viewer for viewing patient images on a PC can be written to CD/DVD

USB 2.0: Support for e.g. data exchange with external devices

External monitor connections:

- **Live monitor (L):**
 - Video splitter output for connecting an external live monitor
- **Reference monitor (R):**
 - Video splitter output for connecting an external reference monitor
- **VGA interface (splitter), 1 x 15 pin VGA (no galvanic separation)**

Printer: Digital printers for printing on film or paper

HIPAA: Security and Privacy (Health Insurance Portability and Accountability Act)

Key switch:

- X-ray release can be disabled with a key switch to prevent unauthorized use
- When disabled, the system can still be used as a viewing station and for image processing

