

SIEMENS ARCADIS VARIC

Technical Data

C-arm	
Orbital movement	130° (-40° to +90°)
Angulation	± 190°
Horizontal movement	20cm
Immersion depth	73cm
Swivel range	±12,5°
Vertical travel	45cm motorized
Source-I.I. distance	100cm
Free space	78cm
X-Ray generator/Tube	
Max. pulsed output	2,3kW
Inverter control frequency	15kHz to 30kHz
kV range	40kV to 110kV
Fluoroscopy	0,2mA to 15,2mA (max. 1000W)
Digital radiography	0,2mA to 23mA (max. 1000W)
Cassette exposures	Max. 20mA
Pulsed fluoroscopy	Up to 23mA
Pulse width	Min. 7 ms
Pulse rate	Up to 8 p/s, up to 15 p/s
Power mode	Enables temporary max. output in continuous fluoroscopy and pulsed fluoroscopy
Single tank with stationary anode	
Focal spot nominal value	0,6
Nominal voltage	110kV
Optical anode angle	9°
Inherent filtration	≥3 mm Al equivalent
Collimator system	
Iris diaphragm	For concentric, radiation-free collimation
Semi-transparent slot diaphragm	For symmetric, radiation-free collimation, with unlimited rotation
X-Ray TV system	
High-resolution X-Ray TV system in maintenance-free CCD technology with 1024 x 1024 (1k ²) full-size CCD sensor	
Constant image brightness due to automatic gain control	
High contrast & high spatial resolution	
TV matrix	1k ²
Digital image rotation	±360°
X-Ray image intensifier	
Metal-enamel technology with Mu-metal shielding	
Precision electron optics with minimal image distortion and consistent high resolution across the entire image field	
Cesium-iodide input screen for minimum quantum noise & excellent resolution	

Anti-glare output screen with scattered light trap for high contrast dynamics & prevention of scattered light effects	
High-transparency input window	
Nominal diameter	23cm
Zoom format	15cm
Grid	PB 17/70, f _o 100
Cassette holder	
Format	24cm x 30 cm
Grid	Pb r17 N70, f _o 85
Trolley	
<u>Displays</u>	
19" TFT monochrome display	
High-contrast display with high luminance	
Screen size	48cm
Image matrix	1280 x 1024
Brightness, typical	400 cd/m ²
Maximum brightness, typical	600 cd/m ²
Horizontal/vertical viewing angle	170°/170°
19" TFT color display	
Screen size	48cm
Image matrix	1280 x 1024
Brightness, typical	200 cd/m ²
Maximum brightness, typical	250 cd/m ²
Horizontal/vertical viewing angle	170°/170°
<u>Column</u>	
Display column flex	
Allows for vertical display positioning independently of trolley position with a rotation angle of -30° to 180°	
Defined lock in place positions at 0° and 180°	
Display column flex plus	
Allows for vertical display positioning independently of trolley position with a rotation angle of 0° to 180°	
Motorized height adjustment	
Protection and transportation management by foldable displays	
Defined lock in place positions at 0°, 90° and 180°	
Sound system - Emotion	
Onboard sound system in order to connect audio devices via aux-in connector	
Stereo amplifier with volume controller	
Two blinded oval stereo loudspeakers	