Siemens Arcadis Orbic 3D C-Arm

SOMA TECHNOLOGY, INC.™

New, Demo & Refurbished Medical Equipment

The ARCADIS Orbic 3D mobile C-arm system provides fast scan times matched with enhanced image quality. The ARCADIS generates 2D images of the human anatomy in only 30 seconds in 1K2 resolution or 60 seconds for 100 2D images. ARCADIS Orbic 3D C-arm machines can be equipped with the direct 3D navigation interface NaviLink 3D, or choose the integrated optical navigation platform NaviVision 3D.

ARCADIS Orbic's software is designed to support the entire clinical workflow, from patient registration to image documentation. Patient data can seamlessly be transferred from the hospital information system to your C-arm worklist. Two distinctive features of the ARCADIS Orbic mobile C-arm are true isocentric orbital movement and 190° orbital movement with 95° overscan. Due to this technology, this unit does not require horizontal or vertical readjustment in order to keep viewing area centered and focused.

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Specifications

Diameter, cm (in) (wheels)	23, 15 (9, 6)
Optinal features (Performance)	Optional 3-D feature for intraoperative acquisition of 3-D, CT-like images in 30 seconds, ability to link to leading surgical navigation systems, NaviLink 3-D
X-RAY TUBE ANODE	Stationary
Radiographic mode (Maximum output)	0.6
Cooling, hu/min (Maximum output)	13,770 anode
Fluoroscopic mode (Maximum output)	0.6
Heat capacity, hu (X-RAY TUBE)	50,000 anode, 1,200,000 unit
Tube power rating, kw @ 100 kvp (Maximum output)	2.3
MONITOR Size, cm (in) (MAXIMUM OBJECT)	18 dual TFT flat-panel monitors
POWER REQUIREMENTS	110-240 VAC
H x W x D of C-arm frame, cm (in) (IMAGE PROCESSING AND STORAGE)	183 x 80 x 215 (72 x 31.5 x 84.5)
WEIGHT, kg (lb) (DISPLAY)	348 (765) chassis, 190 (418) monitor cart
CASSETTE HOLDER SIZES (Focal spot size, mm)	24 x 3024 x 30 cm
DICOM COMPATIBLE (Focal spot size, mm)	Yes
Video storage (IMAGE PROCESSING AND STORAGE)	Digital memoryDigital memory, disk
Image matrix size (IMAGE PROCESSING AND STORAGE)	2.3

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Last taken image hold (IMAGE PROCESSING AND STORAGE)	Yes
Frame integration (IMAGE PROCESSING AND STORAGE)	0-32 frames
Max. # of images (IMAGE PROCESSING AND STORAGE)	10,000 on hard disk; ~300 on CD; both are standard
HARD COPY OPTION (MONITOR)	Paper, filmCODONICS
Free space, cm (in) (C-ARM)	78 (31)
Depth, cm (in) (PA GANTRY)	73 (29)
Panning movement (C-ARM)	10
Rotation (C-ARM)	190 (95)
Horizontal travel, cm (in) (C-ARM)	20 (7.9)
Pivot rotation, (C-ARM)	190
Reverse position (C-ARM)	Yes
Vertical movement, cm (in) (RADIATION DETECTOR)	40 (15.7) motorized
Aec (X-RAY GENERATOR)	mAs
Kv range (X-RAY GENERATOR)	40
Pulsed fluoroscopy (X-RAY GENERATOR)	Yes
Ma range (IMAGING SYSTEM)	0.2 - 23
Pulses per sec (MONITOR)	p to 15

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Abs control (MONITOR)	Exposure, TV iris, camera gain
mAs RANGE (X-RAY TUBE)	1-150 in 23 steps
Kv range (X-RAY GENERATOR)	40
Snapshot function (MONITOR)	0.2-23 mA
EXPOSURE TIME, sec (MICROMANIPULATORS)	.5-10
OTHER SPECIFICATIONS (AIR SUPPLY)	Isocentric C; digital imaging chain; 200 customizable user programs; virtual patient anatomy to tailor dose to application; syngo user.
FDA CLEARANCE (Interference compensation)	Yes
CE MARK (MDD) (Interference compensation)	Yes
WHERE MARKETED	Worldwide

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