



The **Ziehm Solo** is a compact c-arm with a small footprint with a full-size monitor and touchscreen interface. The C-arm has a 27" HD monitor mounted directly on the c-arm - eliminating the need for a viewing station. The Ziehm Solo offers crystal-clear images for orthopedics, traumatology, pain management and other application. With 1k x 1k resolution and over 4,000 shades of gray tones to see even the smallest details.

Features

- Single component design with full-size monitor mounted on C-arm
- Simple positioning around patient and table due to Ziehm Solo's large C-arm free space, depth and 135° orbital rotation
- Advanced performance with state-of-the art imaging technology
- Compact monoblock generator, generating short, sharp pulses with up to 30 frames per second for crystal-clear images
- High resolution thanks to 1k x 1k technology and more than 4,000 shades of gray for high resolution
- Comprehensive dose concept for high image quality and minimized dose
- Quick and simple imaging for Orthopedics, Pain Management and General Surgical Applications



Specifications

Dimensions and Mechanics

Motor-driven vertical travel: 16,5 [42 cm]
 Horizontal travel: 9 [22 cm]
 Orbital rotation: -90 / +45 (9 [23 cm] I.I.)
 Angulation: 225
 Swiveling (panning): 10
 Source-image receptor distance: 38 [97 cm]
 C-arm vertical free space: 30 [76 cm]
 C-arm depth: 27 [68 cm]
 Width: 32 [80 cm]
 Length: 68- 76.7 [173 cm - 195 cm]
 Height: 69.7- 86.6 [177 cm - 220 cm]
 Weight: 683 lbs [310 kg]

X-Ray Generator

X-ray tube: stationary anode
 Single focus: 0.6 (IEC 336)
 Max. anode heat content: 48 kHU / 34 kJ
 Max. anode heat dissipation: 600 W
 Generator type:
 monoblock
 20 kHz high frequency
 microprocessor-controlled
 Nominal output (100 kV): 1,000 W
 Maximum output: 2,000 W

Collimator system

Collimator rotation: 90
 Iris collimator: 9 [23 cm] I.I.: 2-9 [50 mm-230 mm] diameter
 Slot collimator: 9 [23 cm] I.I.: 2-9 [50 mm-230 mm] diameter
 Virtual collimation without radiation

Operating Values

Continuous pulsed fluoroscopy
 kV range: 40 -110 kV 40 -120 kV (factory option)
 mA range: 0.2-10 mA 0.2-20 mA (factory option)
 pulse width: 10 -30 ms
 pulse rate: 1, 2, 5, 10, 15, 30 pulses/s
 Digital radiography (snapshot): kV range: 40 -110 kV
 mA: up to 20 mA
 Radiography (option):
 kV range: 40 -110 kV 40 -120 kV (factory option)
 mA: up to 20 mA Filtering Total filtering: ≥ 3.9 mm Al,
 including 0.1 mm Cu

Specifications

Output

Pulsed fluoroscopy: up to 10 mA up to 20 mA (factory option)
 Digital radiography (snapshot): up to 20 mA
 Tube housing heat capacity: powered by integrated advanced heat management system
 1.14 million HU system heat capacity
 cooling rate 32 kHU/min

Digital Video Camera (high contrast, non-interlaced)

Active pixels: 1,048,576
 Camera matrix: 1,024 x 1,024 pixels
 Bandwidth of video signal: 20 MHz
 Bandwidth of video amplifier: 50 MHz
 Signal-to-noise ratio: 68 dB
 Control: ADR / AVR

User Interface

Ziehm Vision Center TFT touchscreens on C-arm stand and monitor cart
 Intuitive icons for easy use
 Resolution: 640 x 480 pixels
 Multi-lingual user interface
 Ziehm SmartEye live fluoro screen

Networking

Ziehm NetPort (option): DICOM 3.0
 interface (RJ45 or WLAN connection)
 for digital network integration
 Primary Capture mode
 Available DICOM Classes:
 Storage Class incl. multiframe
 capability and Storage Commitment
 Print Class
 Media Class
 Worklist Class incl. Modality
 Performed Procedure Step (MPPS)
 Query Class
 Retrieve Class