



Seattle Technology
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Product Overview

The fourth generation Premier Encore system raises mini C-arm fluoroscopy to new levels of image quality, economy, ease of use, and safety while bringing expanded administrative capabilities and connectivity to the radiology department. Hologic's FluoroScan business pioneered the mini C-arm concept for orthopedic applications. Our products provide real-time imaging capabilities for the operating room with a minimal investment of manpower and lifecycle costs from the radiology department.



Hologic Fluoroscan Premier Encore Mini C-Arm

Features

- Dual 6" x 4" Screens
- Can be used in a variety of diagnostic, surgical and postoperative extremities procedures including: hand, wrist, forearm, shoulder, foot ankle and knee
- Utilizes a compact, fully adjustable counterbalanced c-arm for X-Ray imaging of extremities at greatly reduced levels of radiation exposure and scatter

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Note: The technical data given in this publication is for general information and is subject to change without notice. Actual configuration on the unit may vary. Contact our sales representatives for a complete list of details.



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Specifications

POWER REQUIREMENTS

Nominal Rate Line Voltage	10V~, 60Hz; 230-240V~, 50Hz
Operating Range	90 to 132V~; 180 to 264V~
Line Voltage Regulation	±10% daily line reg.; ±5% load reg.
Max Current at 75kVp/.100mA	6A at 105V, 4A at 210V; 6A at 115V, 4A at 230V, 6A at 130V, 4A at 260V.

X-RAY SPECIFICATIONS

Source – Image Receptor Distance	44 cm (17.5")
X-Ray Source	Grounded anode X-ray tube
X-Ray Tube Window	.0005" Beryllium
Beam Filtration	Stainless steel with aluminum equivalence >2.5mm
Focal Spot	0.0045 mm
Filed of View	Operator selectable collimation of 4" or 5.13" diameter (10 cm or 13.5 cm) FOV at the plane of the image intensifier
Rated Peak Tube Potential	75 kVp
Tube kVp Range	40 to 75 kVp
Tube Current Range	0.020 to 0.100mA
Deviation From Values	kVp + 5% - 13%; mA±10% < 0.040mA; mA±5% > 0.040mA
Duty Cycle	Continuous duty at 75 kVp/.100mA

IMAGING SPECIFICATIONS

Image Intensifier	High sensitivity Cesium Iodine
C-Arm Dimensions	Source to detector distance: 17.5" (44cm); Free Space: 14" (36cm); Depth of arc = 14" (36 cm)
Imaging Processing	Digital, with 2 to 16 frames of video averaging and last frame freeze.
Video System	Dual 15" (38 cm) SVGA Portrait Mode Monitors. Solid state video camera; RS170 video printer.

PHYSICAL DIMENSIONS

Height	60" (152cm)
Width	36" (91cm)
Depth	32" (81cm)
Weight	500 lbs (227kg)
Ground Clearance	3" (7.6cm)
Cord Length	20 ft (6.1m)
Required Floor Space	5' x 6." (1.5m x 2.0 m)

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