HF-110A & Phantom

- High Quality Images
- Portability
- Flexibility
- Ease of Use
- Diversity
- Affordability
- Reliability

Portable X-ray Systems

11550 West King Street • Franklin Park, IL 60131 • Phone 847.288.7000 • Fax 847.288.7011 • Toll Free 800.800.6006

Rev. 3/05 #9000-Portables
**Phantom Portable X-Ray System**

**Electrical Specifications**

- **Generator Type:** High frequency inverter, 1.25 kilowatt output.
- **kVP Range:** 50-100 kVP continuously adjustable, with 1 kVP resolution.
- **mA Range:** Fixed, 12.5 mA, constant independent of kVP or time settings.
- **Exposure Time:** 0.01 to 4.0 seconds in 96 increments.
- **Indicators:** Ready, x-ray on, digital display of kVP, mAs and time.
- **Exposure Switch:** Detachable hand switch, two position, prep and expose.
- **X-Ray Tube:** Stationary anode, 100 kVP.
- **Filtration:** 2.7 mm of aluminum at 100 kVP (min.).
- **Target Material:** Tungsten.
- **Anode Capacity:** 25,000 heat storage capacity.
- **Focal Spot:** 1.0 mm (NEMA).
- **Beam Angle:** 15°
- **Collimator:** Certified manual.
- **Lamp Source:** 30 second timer.
- **Tape Measure:** For SID distance.
- **Inclinometer:** For angle measurement.
- **Electrical Requirements:** 115 VAC, 50 Hz. or 60 Hz.

**Mechanical Specifications**

- **Maximum Focal Spot to Floor:** 78” (198 cm)
- **Minimum Focal Spot to Floor:** 15” (38 cm)
- **Horizontal Extension of Focal Spot:** 21” (53 cm)
- **Rotation About Horizontal Axis:** 360°
- **Rotation About Tube Axis:** 270°

**System Dimensions:**
- **Horizontal storage position:** 25.0 W, 52.0 L, 27.0 H (64 x 132 x 69 cm).
- **Vertical storage position:** 52.0 H, 25.0 W, 27.1 L (132 x 64 x 69 cm).

**System Weight:** Total System Net Weight 95 lbs. (43.2 kg).

**Component Weight:**
- PH-150-C Control Cabinet 7 lbs. (3.2 kg)
- PH-150-G X-ray generator 39 lbs. (17.7 kg)
- PH-150 - S Mobile stand 40 lbs. (18.2 kg)
- PH-150-D Cassette bin 9 lbs. (4.1 kg)

**System Dimensions:**
- **Horizontal storage position:** 52.0 H, 25.0 W, 27.0 L (136 x 66 x 71 cm).

**System Weight:** Total System Net Weight 32 lbs. (14.5 kg).

**Component Weight:**
- HF-110A-C Control Cabinet 50 lbs. (22.7 kg)
- HF-110A-G X-ray generator 58 lbs. (26.4 kg)
- HF-110A - S Mobile stand 10 lbs. (4.5 kg)

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- **Rotation About Horizontal Axis:** 360°
- **Rotation About Tube Axis:** 270°

**System Dimensions:**
- **Horizontal storage position:** 27.0 W, 52.0 L, 28.0 H (66 x 135 x 71 cm).

**System Weight:** Total System Net Weight 10 lbs. (4.5 kg).

**Component Weight:**
- HF-110A-C Control Cabinet 32 lbs. (14.5 kg)
- HF-110A-G X-ray generator 58 lbs. (26.4 kg)
- HF-110A-D Cassette bin 10 lbs. (4.5 kg)

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Meeting the challenges that transcend the most demanding mobile radiology programs found in the U.S. and overseas required more than the lightweight construction and limited support stands typically offered in portable units. DynaRad/Del Medical Systems Group took on the challenge to design a robust frame construction to withstand heavy use. The units fold into a small, self-contained package that can be set up easily. The ability to fold the unit is extremely important to meet the need to reach non-ambulatory challenged patients out of the hospital environment. The user-friendly control allows the operator to obtain diagnostic images under primitive conditions.

The HF-110A and Phantom portables are the answer. DynaRad portables are the first choice for delivering cost effective, high quality images in a portable atmosphere.

DynaRad/Del Medical Systems Group is a leading manufacturer of cost-effective portable and fixed imaging systems for use by home health care providers, hospitals and private practitioners worldwide. Products are manufactured and sold under the DynaRad, Del, Villa and Universal names.

As we strive for constant improvement, specifications subject to change without notice.

**Warranty:**
- **System Dimensions:** 3 year limited
- **System Weight:** 3 year limited
- **Component Weight:** 3 year limited

Complies with all CDM performance standards in effect at date of manufacture.

UL recognized for U.S. and Canada.

As we strive for constant improvement, specifications subject to change without notice.

Made in U.S.A. An ISO 13485 Certified Facility.