

The PCX HF¹⁰⁰ Series of high frequency generators match the needs of busy radiology departments with today's technology. The PCX HF¹⁰⁰ Series offer doctors' offices and hospitals generator and control console with a unique small footprint that is compatible to any size examination room. The full color flat screen panel with touch-control capabilities offers a unique x-ray room control. Each generator offers great flexibility in powering a variety of radiographic and fluoroscopic applications. The microprocessor and single board PC controlled circuitry is designed to give trouble-free operation with self-diagnostic capabilities.

PCX HF¹⁰⁰ Series

150 kVp High Frequency X-Ray Generators
100 kHz Models



Imaging
for the Future

Features:

- Microcontroller and computer integration deliver reliability and accurate exposure parameter management
- Automatic line compensation
- One-point (AEC), two-point (kV, mAs) and three-point control (kV, mA, sec)
- Automatic Exposure Control can support four solid state (or ionization) detectors (single or three-field)
- APR operating mode with 160 examinations distributed across 8 anatomical regions.
- Simple and user-friendly technique reprogramming procedure for customized APR charts
- Automatic parameter correction for patient thickness, tissue density, film/screen speed and SID
- Manual override technology permits the operator to modify the recommended kV, mA and exposure time
- Sophisticated self-diagnostic capability and descriptive error messages allow for fast and well-defined initial diagnosis
- Compact flat-panel display and console are ideally suited for small control rooms
- Automatic tube overload protection; selectable 80% or 100% maximal load
- Optional Automatic Brightness Stabilizer produces optimal fluoroscopic images
- Also available with membrane switch panel display (MS Series)
- Supports one or two x-ray tubes in either radiographic or R&F modes

Operators determine technique settings for each of 160 anatomically programmed examinations providing truly customized environments. Easy manual override possibilities for all parameters. Guesswork is eliminated and throughput increased. The flat panel with touch-screen control offers exceptional clinical benefits and value. Control-X Medical 100 kHz generators... mean revolutionary design, quality and value.

Specifications:

	PCX 650 HF ¹⁰⁰	PCX 850 HF ¹⁰⁰	PCX 1050 HF ¹⁰⁰
Power ratings (@100 kV):	50 kW	65 kW	80 kW
kV range:		40-150	
mA range (@80 kV):	10-600	10-800	10-1000
mAs range:	0.4 - 600 mAs in 1 mAs increments (higher mAs limit optional)		
Exposure time:	2 ms - 6 seconds (1 ms with AEC)		
Operating mode:	3 point control: kV-mAs 2 point control: kV-mAs		
Fluoro range:	50-125 kV; 0.1-10 mA (programmable)		
Power requirement:	3x 380/400 V or 3x 480V (optional) 50/60 Hz		

Dimensions:

Power supply:

16"x19-1/4"x48-3/4" (406x488x1237 mm)

Touch-screen control:

12-1/2"x10-1/2"x2-1/4" (317x265x55 mm)

Pedestal (optional) height:

38" (950 mm)



Specifications subject to change without notice

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