



HIGH FREQUENCY GENERATORS FOR DR, CCD, CR, FILM IMAGING



**COST EFFECTIVE HF GENERATORS
WITH NO COMPROMISE IN QUALITY.**
A Generator To Fit Every Need!



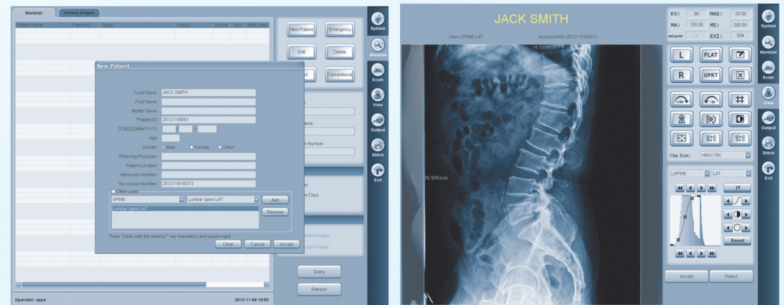
STANDARD CONTROL CONSOLE

SHF SERIES

20 kW, 32 kW, 40 kW,
50 kW, 64 kW & 80 kW



**OPTIONAL TOUCH
SCREEN CONTROL CONSOLE**



GENERATOR INTEGRATION, DR
Actual Integration Varies Dependent on DR Panel



GENERATOR INTEGRATION, CCD/DR

UNSURPASSED QUALITY, REPEATABILITY AND ACCURACY

The SHF series of generators are available in output ratings of 20 kW to a powerful 80 kW. The generators were designed with safety, reliability and user and patient safety in mind. The SHF generators deliver rapid and accurate access to technique parameters for DR, CCD, CR or film based imaging. Reduction in patient dose, exposure accuracy, efficient operation and extended tube life are synonymous with the SHF series of high frequency generators.

Generator integration to the monitor for digital applications is a unique feature offered with a variety of our DR and CCD digital imaging solutions. Generator integration provides APR view and technique selection and fine tuning of techniques at the workstation for digital imaging.

The SHF generators are not only used with the complete AdvantagePlus or Value Plus system offerings but adapt well as a replacement for older generators in the field including R/F.

Worldwide acceptance of the SHF generators confirms the unsurpassed performance and reliability.



HIGH FREQUENCY GENERATORS FOR DR, CCD, CR, FILM IMAGING



TECHNICAL SPECIFICATIONS

CONSTANT POTENTIAL POWER RATINGS	20 kW	32 kW	40 kW	50 kW	64 kW	80 kW
RADIOGRAPHIC kVp RANGE IN 1 kVp STEPS	40 - 125 (150 optional)	40 - 125 (150 optional)	40 - 125 (150 optional)	40 - 125 (150 optional)	40 - 150	40 - 150
ACCURACY	± (3% + 1 kV)	± (3% + 1 kV)	± (3% + 1 kV)	± (3% + 1 kV)	± (3% + 1 kV)	± (3% + 1 kV)
mA RANGE & STATIONS	10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320	10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400	10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500	10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640	10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640	10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640, 800
ACCURACY	± (4% + 1 mA)	± (4% + 1 mA)	± (4% + 1 mA)	± (4% + 1 mA)	± (4% + 1 mA)	± (4% + 1 mA)
POWER OUTPUT	300 mA @ 62 kVp 250 mA @ 80 kVp 200 mA @ 100 kVp	400 mA @ 80 kVp 320 mA @ 100 kVp 250 mA @ 125 kVp	500 mA @ 80 kVp 400 mA @ 100 kVp 320 mA @ 125 kVp 250 mA @ 150 kVp	640 mA @ 78 kVp 500 mA @ 100 kVp 400 mA @ 125 kVp 320 mA @ 150 kVp	640 mA @ 100 kVp 500 mA @ 125 kVp 400 mA @ 150 kVp	800 mA @ 100 kVp 640 mA @ 125 kVp 500 mA @ 150 kVp
EXPOSURE TIME RANGE	0.001 - 10 seconds	0.001 - 10 seconds	0.001 - 10 seconds	0.001 - 10 seconds	0.001 - 10 seconds	0.001 - 10 seconds
ACCURACY	± (2% + 0.1 ms)	± (2% + 0.1 ms)	± (2% + 0.1 ms)	± (2% + 0.1 ms)	± (2% + 0.1 ms)	± (2% + 0.1 ms)
mAs RANGE (*)	0.1 - 500 mAs (*)	0.1 - 500 mAs (*)	0.1 - 500 mAs (*)	0.1 - 500 mAs (*)	0.1 - 500 mAs (*)	0.1 - 500 mAs (*)
HIGH VOLTAGE RIPPLE (TYP)	<1 kVp @ 100 kVp	<1 kVp @ 100 kVp	<1 kVp @ 100 kVp	<1 kVp @ 100 kVp	<1 kVp @ 100 kVp	<1 kVp @ 100 kVp
AUTOMATIC EXPOSURE CONTROL	Optional	Optional	Optional	Optional	Optional	Optional
BUCKYS (2 STANDARD)	Optional up to 4	Optional up to 4	Optional up to 4	Optional up to 4	Optional up to 4	Optional up to 4
INTEGRATED HIGH SPEED STARTER	Optional	Optional	Optional	Optional	Optional	Optional
2 or 3 POINT OPERATION CONSOLE	3 P. Standard - 2 P. Opt	3 P. Standard - 2 P. Opt	3 P. Standard - 2 P. Opt	3 P. Standard - 2 P. Opt	3 P. Standard - 2 P. Opt.	3 P. Standard - 2 P. Opt.
APR (Anatomical Programming)	Standard	Standard	Standard	Standard	Standard	Standard
LINE VOLTAGE RANGE (VAC) AND PHASES	208/240/380/480 Single Phase/Three Phase	208/240/380/480 Single Phase/Three Phase	208/240/380/480 Single Phase/Three Phase	208/240/380/480 Single Phase/Three Phase	380/480 Three Phase	380/480 Three Phase
AUTOMATIC LINE COMPENSATION	±10%	±10%	±10%	±10%	±10%	±10%

MINIMUM POWER LINE REQUIREMENTS ACCORDING TO IEC 601-2-7 = 2,200 W (X-RAY TUBE + GENERATOR)

*640 mAs Optional

STANDARD FEATURES SUMMARY

- APR for 6 Patient Sizes (Small, Medium, Large Pediatric and Adult)
- 3 Point Operation by Selecting kVp, mA and time or 2 Point Operation Selecting kVp and mAs
- 8 Anatomical Regions, 8 Views per Region
- Settings Pre-Programmed for 200, 400 and 800 Speed
- Exposure Counter, Up to Maximum of 999,999

- Generator Integration to Acquisition Monitor for select DR Flat Panels and CCD Detectors
- Digital Displays
- Automatic Line Compensation
- Tube Protection
- Self Diagnostics w/ Error Code Reporting
- Table Mount
- Exposure Hand Switch
- Automatic Calibration
- UL/CE/FDA Listed

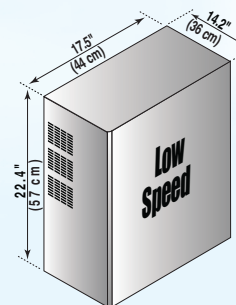
OPTION SUMMARY

- AEC (Automatic Exposure Control)
- Various Power Line Operation
- 150 kVp for 20, 32, 40 and 50kW
- Battery Operated, 32, 40 and 50 kW (115 or 220 VAC operation)

- R/F Two Tube
- 640 mAs
- Pedestal
- High Speed Starter
- Touch Screen Control Console

POWER CABINET SPECIFICATIONS

Line Powered



Rad
1 Tube
32 - 80 kW

Net Weight = 117 lbs
53 kg

LINE POWERED WITH HIGH SPEED STARTER

Dimensions

27.16" h x 23.3" w x 14.2" d
(69 cm x 59 cm x 36 cm)

Weight

209 lbs / 95 kg

BATTERY OPERATED

Dimensions

37.32 h x 32 w x 17.2 d
(95 cm x 81 cm x 44 cm)

Weight

518 lbs / 235 kg

