



Imaging Solutions

**Cost Effective High Frequency Generators
With No Compromise in Quality**

A Generator To Fit Every Need



SHF Series
32 kW, 40 kW, 50 kW, 64 kW & 80 kW

Unsurpassed Quality, Repeatability and Accuracy

TXR SHF Series of high frequency generators are designed for safety, reliability, ease of installation, calibration and operation. The SHF generators deliver rapid and accurate access to technique parameters for both film and digital imaging, reducing patient dose, providing exposure accuracy, efficient operation and extended tube life.

Choose from a variety of 5 power ratings from 32 kW to 80 kW output to accurately meet the needs and budget of any practice.

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

Tingle X-Ray LLC

5481 Skyland Blvd.,E • Cottondale, AL 35453 • Phone 205-556-3803 • FAX 205-556-3824
1-800-897-9729 • www.txr.com • sales@www.txr.com

Complies with FDA and Product Safety Requirements. • Specifications Subject to Change Without Notice

TECHNICAL SPECIFICATIONS

CONSTANT POTENTIAL POWER RATINGS	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
ACCURACY	± (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, 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)
POWER OUTPUT	400 mA @ 80 kVp 320 mA @ 100 kVp 250 mA @ 125 kVp 200 mA @ 150 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
ACCURACY	± (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 (*)
HIGH VOLTAGE RIPPLE (TYP)	<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
BUCKYS (2 STANDARD)	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
3/2 POINT OPERATION CONSOLE	3 P. Standard 2 P. Optional	3 P. Standard 2 P. Optional	3 P. Standard 2 P. Optional	3 P. Standard 2 P. Optional	3 P. Standard 2 P. Optional
APR (Anatomical Programming)	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	380/480 Three Phase	380/480 Three Phase
AUTOMATIC LINE COMPENSATION	±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

- 8 Anatomical Regions, 8 Views per Region
- Patient Measurement Can be Entered for Automatic Technique Adjustment
- Settings Pre-Programmed for 200, 400 and 800 Speed
- Digital Displays
- Automatic Line Compensation
- Tube Protection
- Table Mount
- Exposure Hand Switch
- Self Diagnostics with Error Code Reporting
- Automatic Calibration
- UL/CE/FDA Listed

Option Summary

- AEC (Automatic Exposure Control)
- Various Power Line Operation
- 150 kVp
- Battery Operated, 32, 40 and 50 kW (115 or 220 VAC operation)
- 640 mAs
- Pedestal
- High Speed Starter
- Touch Screen Control Console



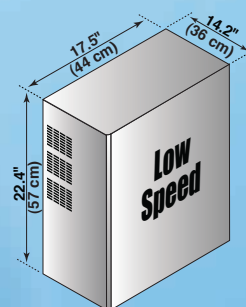
Tingle X-Ray LLC

5481 Skyland Blvd.,E • Cottondale, AL 35453 • Phone 205-556-3803 • FAX 205-556-3824
1-800-897-9729 • www.txr.com • sales@www.txr.com

Complies with FDA and Product Safety Requirements. • Specifications Subject to Change Without Notice

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