

Z SERIES

HIGH FREQUENCY X-RAY GENERATORS

The Intelligent Choice for High Performance Radiographic Imaging

technical specifications



spellmanhv.com

128126-001 REV G

Spellman®
High Voltage Electronics Corporation

Z SERIES High Frequency Medical X-Ray Generators

Z SERIES
HIGH FREQUENCY X-RAY GENERATORS

- **450kHz output frequency**
- **Specially designed for DR systems**
- **Simple Integration via SDK to any workstation**
- **Automatic calibration**
- **Service-friendly design**

Spellman, The world's leader in high voltage innovation introduces the all new Z Series of high frequency, diagnostic imaging generators.

These highly compact and reliable radiographic generators feature the medical industry's highest output frequency at 450kHz and world-class performance specifications, spanning 32kW to 80kW. And best of all, Spellman's engineering team will support your OEM integration from beginning to end, for seamless and smooth market launch. Compatible with most digital interfaces and X-Ray room system mechanics, the Z Series is the intelligent choice for the medical OEM seeking the latest technology and world-class support.

Radiographic Options

- Interface for Automatic Exposure Control
- Interface for dose measuring devices
- Dual speed starter
- Single console integration to your DR software



SPECIFICATIONS



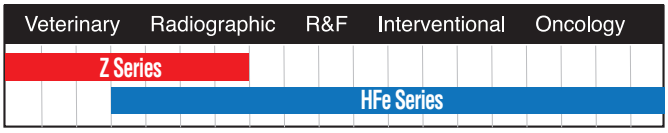
Power Level	32kW	40kW	50kW	65kW	80kW
Input Power Voltage	3ø/380/400/480 VAC				
	3ø/208/220/230 VAC				
	1ø/208/230 VAC				
Maximum Output Frequency	450kHz				
Tube Voltage Range	40~150kV				
Tube Voltage Accuracy	±(5%+1kV)				
Tube Current Range	10~400mA	10~500mA	10~630mA	10~800mA	10~1000mA
Tube Current Accuracy	±(10%+1mA)				
mAs Range	0.1~500mAs		0.1~1000mAs		
Exposure Time Range	1.0~10000 ms				
Coefficient of linearity	≤ 0.05				
Coefficient of Reproducibility	≤ 0.05				
Operating Modes Selection	kV/mA/ms, kV/mAs, AEC, APR				
Anode Rotation Drive	Low Speed / Dual Speed Starter				
Communication Port	RS-232				
Tube Calibration	Automatic				
AEC Interface	Analog AEC Interface for Three Field Chambers				
DAP Interface	Optional				

Please consult factory regarding product configuration availability and regulatory requirements for specific markets

From our high performance **Z** Series to our powerful **HFe** Series*
Spellman has an imaging solution to meet your unique imaging requirements

Z Series

- MOSFET inverter technology
- Platform: Fixed card and cable harness design
- Industry leading output frequency (450 kHz)
- Reduced ripple for superior image quality



GXR APPLICATIONS MATRIX

HFe Series

- IGBT Inverter Technology
- Platform: Modular card and backplane design
- High Speed Ethernet communications port
- Fluoroscopy available

*Please visit our website or contact sales@spellmanhv.com for more information and specifications for our HFe Series



Spellman… your single source for imaging solutions

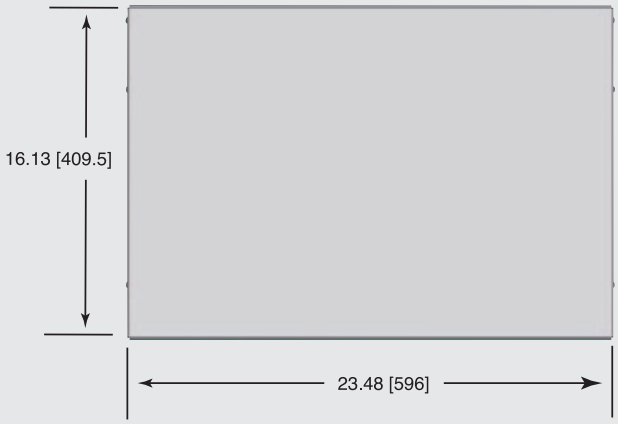
For over 75 years, Spellman High Voltage has been the leader in high voltage innovation. We offer an extensive portfolio of X-Ray Generators and Monoblock® Integrated X-Ray sources for diverse applications such as CT, DR, Mammography, Bone Densitometry, Surgical C-Arms, and Dental Imaging.

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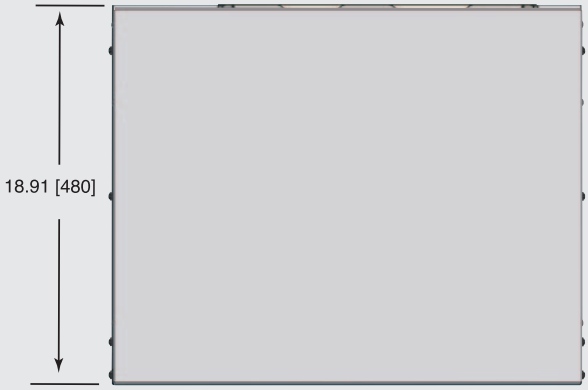
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Dimensions: Inches (mm)

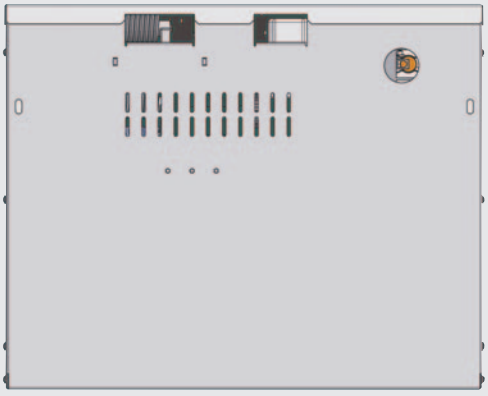
TOP VIEW



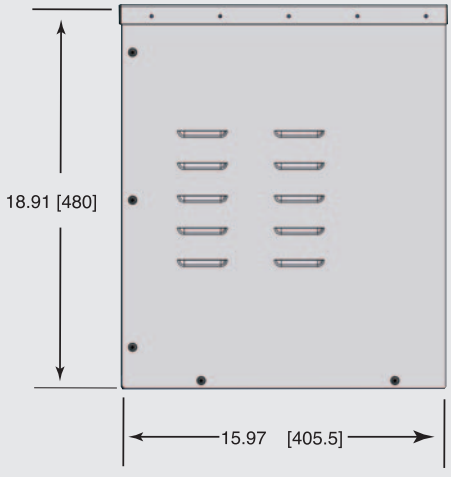
FRONT VIEW



BACK VIEW



SIDE VIEW



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