



Diagnostic X-Ray High-Voltage Generator

Stationary X-ray System / DMP-100 Series

Features

- Digital control circuit enhances performance and accuracy
- 450-kHz high frequency performance
- 2-speed motor-starter support
- Connects to AEC/DAP peripherals
- 1 phase input power available



Hospital



Clinic



DELTA

Diagnostic X-Ray High-Voltage Generator

The DMP-100 is a medical X-ray generator designed for imaging applications. With 450-kHz high-frequency performance and 3-phase adaptive input voltage, the DMP-100 improves image quality by effectively reducing ripple and noise. To satisfy different X-ray system integration needs, this unit also offers 2-speed motor-starter support, 1 phase input power and supplies power to AEC/DAP peripherals for optimized configuration. It applies a digital control circuit to enhance performance and accuracy, making it a powerful core for stationary DR/CR systems.

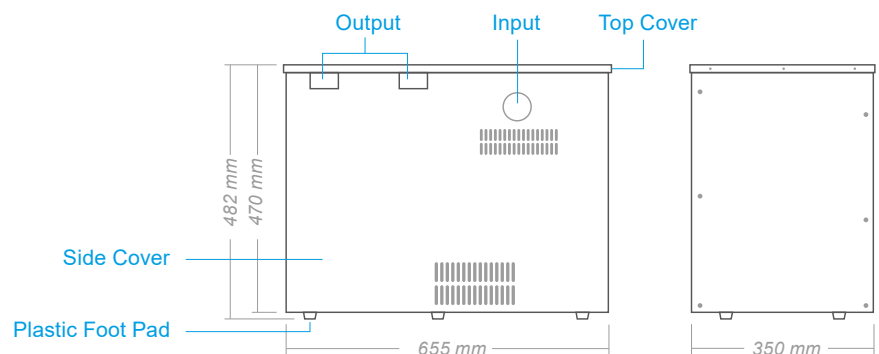


Specification

Model Name	DMP - 100		
Input / Output	32kW	50kW	65kW
Input Voltage	230 VAC 1Φ 400 VAC / 480 VAC 3Φ	400 VAC / 480 VAC 3Φ	
Input Frequency	50 Hz / 60 Hz		
Tube Voltage	40 - 150 kV		
Tube Current	20 - 400 mA	20 - 630 mA	20 - 800 mA
mAs	0.1 - 500 mAs	0.1 - 630 mAs	0.1 - 800 mAs
Exposure Time	1 - 6300 ms	1 - 6300 ms	1 - 6300 ms
Hardware			
Motor Starter	Dual Speed. (High Speed Operation only available at 400 VAC / 480 VAC 3Φ models)		
Output current period	< 1 kV @ 110 kV		
Automatic Calibration	Standard feature		
AEC Support	Optional		
DAP Support	Optional		
Auxiliary Power	24 VDC +/-8% / 2A, 24 VAC +/-10% / 6A, 110 VAC or 220 VAC / 0.8A		
Digital Control Panel	Optional		
APR	Self-setting maximum 192		
Dimension (W x H x D)	655 x 470 x 350 mm		
Weight	65 kg		
Certificate			
Safety	IEC 60601-1 2 nd edition, 3 rd edition, IEC 60601-2-54.		
EMC	IEC 60601-1-2 4 th edition compliance		

* All specifications are measured at 25°C unless otherwise specified.

Mechanical Drawing



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