

The HF Mobile X-ray Generator consists of an inverter and oil-filled tank which houses the high voltage transformer and tube. It has been designed and developed for OEM application in Radiography for intensive care units and operates in input 230V mains. The high frequency output allows for lower kV per exposure, shorter exposure and superior imaging.

### Features:

- ❖ Compact & light weight
- ❖ Reduction in dose
- ❖ Superior Imaging
- ❖ Tablet / Keyboard /touch-Screen Control
- ❖ Easy Serviceability
- ❖ OEM Customization Available

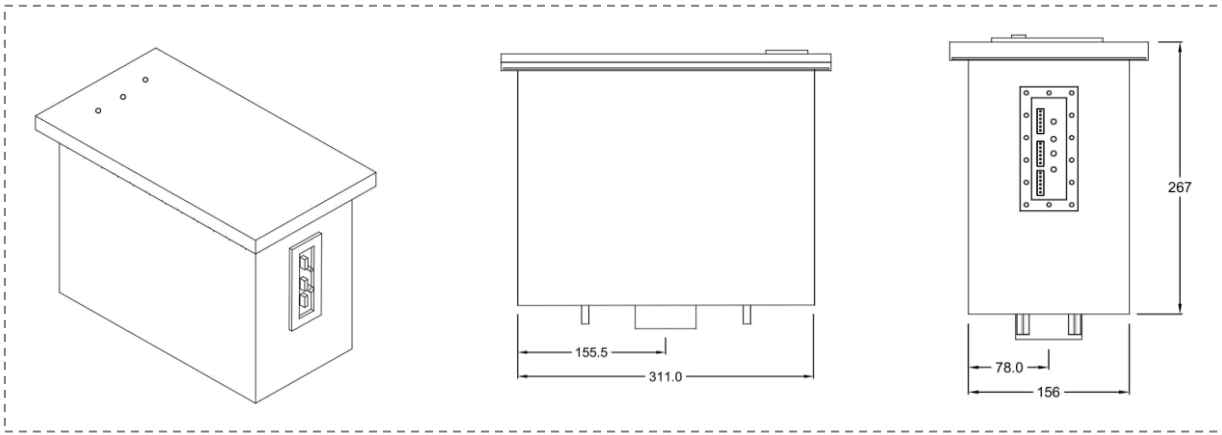


### TECHNICAL SPECIFICATIONS

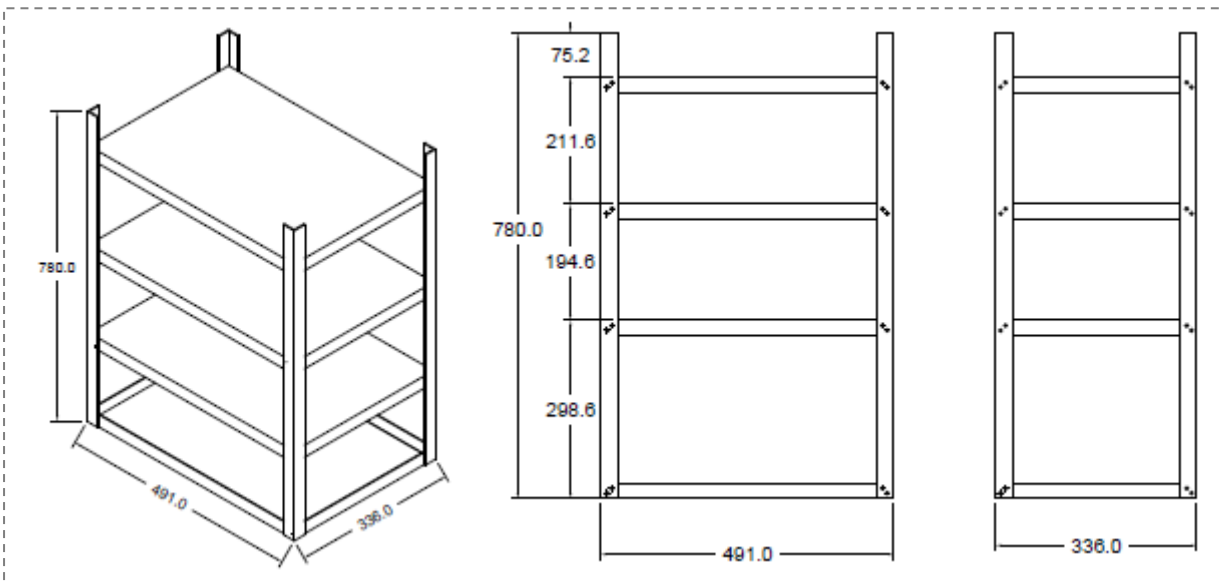
PARAMETER		SPECIFICATION	
<b>Input Voltage</b>		230V ±10% AC, 50Hz, single phase	
<b>Maximum Output Voltage &amp; Power *</b>		<b>XRM10</b> (10kW) 40kV at 250mA 100kV at 100mA	<b>XRM15</b> (15kW) 50kV at 300mA 120kV at 125mA
<b>HF Generator Frequency</b>		80kHz	
<b>Protections</b>		Over Voltage, Over Current, Over Temperature, Filament Fault, Earth Fault, Rotor Fault, Inverter Fault.	
<b>Application</b>		Intensive care units and Radiology department	
<b>kV Range</b>		40kV to 120kV (80 steps)	
<b>mA Range</b>		25mA to 250mA / 300mA (Depends on power)(8 Steps)	
<b>Modes</b>		APR & Manual	
<b>mAs</b>		0.1 to 200mAs in 31steps	
<b>Time</b>		10ms to 5sec (Depends on capacitor bank)	
<b>User Interface</b>		Keyboard or Touch screen tablet with microcontroller-based control	
<b>Housing</b>	Monoblock	Contains high voltage transformer, X-ray tube & filament transformers floating on high voltage	
	HF Inverter	Contains inverter, control & filament cards, rotor circuit, transformers and other interlocks.	
<b>Size (LxWxH)</b>	Monoblock	311mm x 156mm x 267mm	
	HF Inverter	491mm x 336mm x 780mm	
<b>Weight</b>	Monoblock	25 Kgs	
	HF Inverter	45 Kgs	

\*Higher exposure time available for higher capacitance bank value at additional cost.

## Monoblock



## HF Inverter



For any queries or customization requests contact us at [info@ionics.co.in](mailto:info@ionics.co.in)  
For product line information visit us at [www.ionics.co.in](http://www.ionics.co.in)