

## 2 TECHNICAL DATA

### 2.1 TECHNICAL DATA LIST

Table 2 TECHNICAL DATA

Items		Rated value	
Nominal X-ray tube Voltage IEC 60613:2010		Fluoroscopy	125 kV
		Radiography	150 kV
X-ray tube Assembly	Max. heat content	1,600kJ {2,260kHU}	
	Nominal continuous input power IEC 60613:2010	2,000W	
X-ray Tube	Max. anode heat content	530kJ {750kHU}	
	Max. anode heat dissipation rate	2,500W	
	Max. continuous load	950W	
	Continuous anode input power IEC 60613:2010	950W (Continuous)	
Nominal focal spot value IEC60336		0.7	1.2
Measuring method of focal spot size		Slit camera	Slit camera
Nominal anode input power (0.1sec)	180Hz	55kW	105kW
	120Hz* <sup>1</sup>	45kW	85kW
Nominal radiographic anode input power IEC 60613:2010	180Hz	55kW	105kW
	120Hz* <sup>1</sup>	45kW	85kW
Max. filament voltage		13.8V	18.4V
Max. filament current * <sup>2</sup>		5.6A	5.6A
Cut off voltage		-2,200V	N/A
Anode target	Material	Rhenium-tungsten faced molybdenum	
	Angle/diameter	12°/125mm	
Anode rotation * <sup>3</sup>		Direction of anode rotation is counterclockwise as viewed from the cathode side and R.P.M as follows. 9700 min. <sup>-1</sup> {R.P.M.} at 180 Hz 6500 min. <sup>-1</sup> {R.P.M.} at 120 Hz	
Minimum total filtration IEC 60601-2-28:2017		2.4 mm Al/75 kV (Including added filter* <sup>4</sup> )	
Permanent filtration* <sup>5</sup>	IEC 60601-2-28:2017	1.1 mm Al/75 kV IEC 60522:1999 (without added filter)	
	JIS Z 4751-2-28:2008 (IEC 60601-2-28:1993)	Min. 1.5 mm Al at 70kV* <sup>6</sup> (Including added filter)	
Leakage radiation * <sup>7</sup> IEC 60601-1-3:2008+A1:2013		Leakage radiation in hour from the X-ray tube assembly and collimator is less than 1.0mGy at a distance of 1 meter from the focal spot. However, leakage radiation in an hour from the collimator is less than 0.35mGy.	
X-ray radiation field		350mm × 350mm (at distance of 1000mm from focal spot)	
IEC classification IEC 60601-1:2005+A1:2012		CLASS I	
Mode of operation		Continuous operation with intermittent loading	
Mass		29 kg (main unit)	
High voltage connector		IEC 60526 type	