

# SATURN

Digital Radiographic System



**SATURN**

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**Factory**

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### Technical Specification

#### High Voltage Generator

		Option
Rating Output	220/240Vac, 50-60Hz, 40KW Single Phase	400/480Vac, 50-60Hz, 50KW Three Phase
Tube Voltage kV	40-150kV	40-150kV
kV Accuracy	±10%	±10%
mA Range	10 mA~ 500 mA	10 mA~ 630 mA
Timer Range	0.001 sec ~ 10 sec	0.001 sec ~ 6.3 sec
mAs Range	0.1mAs~ 630mAs	0.1mAs~ 630mAs
Weight	63kg / 2kg	61kg / 2.72kg
Dimensions	571 x 476 x 428 / 400 x 200 x 42	653 x 348 x 617 / 313 x 277 x 94

#### X-ray Tube

	Option	TOSHIBA
Manufacturer	E7252X	E7239X
Effective Focal Spot Size	0.6 / 1.2 mm	1.0 / 2.0 mm
Target	Material	tungsten rhenium molybdenum
	Angle	12°
Nominal Tube Voltage	40~150 kV	40~150 kV
Anode Heat Storage Capacity	300 KHU	140 KHU
Weight	18 kg	16 kg

#### Collimator

		Option
Power Input	24V AC – 50/60 Hz	24V AC – 50/60 Hz
Form of X-ray Beam Field	Rectangular	Rectangular
Light projection	More than 160Lux at SID 100cm	Single Laser
Maximum Tube Voltage	150 kV	150 kV
Inherent Filtration	1.2 mmAl	2 mmAl
Weight	6.2 kg	9.4 kg
Dimensions	268 x 195.5 x 206.5 (mm)	268 x 195.5 x 206.5 (mm)

#### Tube Stand

		Option : Ceiling Tube Support)
Power rating	DC24V±10%, 3A	DC24V±10%, 3A
Movement of Tube	Manual driven	Manual driven
Vertical travel	1,530mm	1,200mm ~ 1,400mm ±10%
Transverse travel	1,500mm	1,400mm ~ 1,800mm ±10%
Movement Range	Min. ~ Max. Tube height	2,700mm ~ 3,000mm ±10%
Column rotation	±90°	±90°
Tube rotation	±180°	±180°
Weight balance	Applied	Applied
Weight	245kg	350kg

#### Bucky Stand

Power rating	AC16~24V±10%, 1.5A
Movement of Detector	Vertical : Manual driven
Movement Range Vertical Stroke	1300mm±10%
Weight balance	Applied
Weight	105kg

#### Bucky Table 4Way (Option : 6way)

Power rating	AC220V±10%, 100VA
Movement of Detector	Manual driven
Movement Range	Longitudinal Travel distance ±251mm Transverse travel distance ±145mm Bucky travel distance ±180mm
Weight	180kg

#### Overall Dimension

