

TECHNICAL DATA

	xgenus	xgenus DC
Half Value Layer (HVL) at 70 kV	2 mm Al	2,2 mm Al
Total filtration at 70 kV	2,3 mm Al	2,4 mm Al
Tube inherent filtration at 70 kV	> 1 mm Al	> 1 mm Al
Focal spot size	0,7 mm	0,7 mm
X-ray tube tension accuracy	±10%	±10%
X-ray tube current accuracy	±20%	±20%
Radiation linearity	±10%	±10%
X-ray emission time accuracy	±20 ms 0,020 s ≤ t ≤ 0,320 s ±5% 0,400 s ≤ t ≤ 3,2 s	±20 ms 0,020 s ≤ t ≤ 0,320 s ±5% 0,400 s ≤ t ≤ 3,2 s
Reproducibility	0,05	0,05
Generator	Single phase X-ray generator	At constant potential
X-ray tube nominal current	8 mA	4 mA / 8 mA
X-ray tube nominal voltage	70 kV	60 / 70 kV
Exposure times	0,080 s ÷ 3,2 s (17 steps)	0,020 s ÷ 3,2 s (23 steps)
Reference current-time product	0,8 mAs 8 mA 0,1 s	0,8 mAs 8 mA 0,1 s 0,4 mAs 4 mA 0,1 s
Intensity of radiation in the air	> 30 µGy/h at 1 m from focal spot	> 30 µGy/h at 1 m from focal spot
Leakage radiation (measured @ 70kV, 8 mA, 3,2 s)	< 0,25 mGy/h at 1 m from focal spot	< 0,25 mGy/h at 1 m from focal spot
Operating cycle	1:32	1:32
MECHANICAL DATA		
Total weight	23 kg (wall mounting) 50 kg (mobile version)	19,5 kg (wall mounting) 47 kg (mobile version)
Weight of the tubehead	9 Kg	5,5 Kg
Mechanical configuration	Wall mounting, top and bottom / Mobile	Wall mounting, top and bottom / Mobile
Source-skin distance (SSD)	short cone 20 cm (8") long cone 31 cm (12") rectangular cone 31 cm (12")	short cone 20 cm (8") long cone 31 cm (12") rectangular cone 31 cm (12")
X-ray beam dimension	short cone ≤ 60 mm long cone ≤ 60 mm rectangular cone 44x35 mm	short cone ≤ 60 mm long cone ≤ 60 mm rectangular cone 44x35 mm