

XDG Technical DATA

System Supply

Line Voltage	110-120 V (from 99 V to 132 V in sub-ranges depending on THA mounted) 220-240 V (from 198 V to 264 V in sub-ranges depending on THA mounted)
Line Power	400 W
Line Voltage Range	108 - 132 V for type 93 256 01300, 207 - 253 V for type 93 256 01700, 216 - 264 V for type 93 256 01800
Line Fuse	Slow Blow: 6.3 A at 110-120 V, 4 A at 220-240 V, second fuse for 2 phases or cord
Line Frequency	50/60 Hz \pm 1 Hz
Line Resistance	\leq 0.4 Ohm at 110-120 V, \leq 0.8 Ohm at 220-240 V Voltage regulation for max. line current: 2.1% at 110-120 V, 1.4% V at 220-240 V

X-ray Head Assemblies

Nominal Line Voltage	120 V for type 93 256 01300, 230 V for type 93 256 01700, 240 V for type 93 256 01800
Nominal Line Current	6 A at 120 V for type 93 256 01300, 4 A at 230 V for type 93 256 01700, 4 A at 240 V for type 93 256 01800
Anode Voltage (peak tube potential)	70 kVp \pm 8% at nominal line voltage 66 kVp \pm 8% at nominal line voltage – 10% 74 kVp \pm 8% at nominal line voltage+ 10%
Anode Current (tube current)	3.5 mA \pm 10% at nominal line voltage 3.0 mA \pm 10% at nominal line voltage – 10% 4.0 mA \pm 10% at nominal line voltage + 10%
Nominal Power	0.2 kW at 70 kVp, 3.5 mA, 0.1 s
X-ray Insert	CF4G070
Anode	Tungsten, angle 16° to the tube axis
Focal Spot	0.4 (EN 60336:1995-04)
Focal spot mark	Dot embossed on plastic covers of tube-head
Inherent Filtration	> 2.5 mm Al/70kVp (EN 60522: 1999)
Duty Cycle	1/15
Radiation Leakage	< 0.1 mGy/h a 1 m (< 11.5 mR/h a 1 m)

Beam Limiting Device

Beam Limiting Device	Focus skin distance 21 cm (8.27")
	Circular radiation field 6 cm (2.35") diameter /Rectangular 3.2x4.2 cm (1.26"x1.65")
	Maximum 10% eccentricity

TipSet Timer

Supply Voltage	110-120 for type 93 356 60200, 220-240 for type 93 356 60100					
Exposure factor	Time-current in mAs: from 0.21 to 11.2 mAs					
	0.21	0.28	0.35	0.42	0.56	0.70
	0.88	1.12	1.40	1.75	2.20	2.80
	3.50	4.40	5.60	7.00	8.75	11.2
Precision	± 0.04 mAs o 10% (whichever the greater) supplied at nominal line voltage					
Exposure factors	Automatic setting through tooth type selection and patient build, for use with traditional film or digital sensor, or manual setting with plus and minus keys.					
Irradiation signal	Yellow light on hand-switch and on control panel plus acoustic buzzer					
Hand-switch	Hand-switch with 3 m coiled cord, with remote mounting optional kit					
Overall size	Width: 15 cm /6", Height: 24 cm /9"½, Depth: 9 cm /3"½					

Mechanical Suspension System

Wall Adaptor	12 cm /4.7" width, 24 cm /9.4" height, 9 cm /3.5" depth
Arm Length	Short (S): 30 cm /11.8", Medium (M): 60 cm /23.6", Long (L): 80 cm /31.5", Extra Long (XL) 100 cm /39.4"
Useful Reach	Arm S: 138 cm /54.3", M: 168 cm /66.1", L: 188 cm /74", XL: 208 cm /81.9"
Mobile Stand	Size 78 x 92 cm (30" ¾ x 36" ¼), Height: 186 cm /73" ¼" with scissor arm

Weights

Timer	1.7 kg / 3.7 lb
X-ray Head	6.6 kg / 14.5 lb
Circular BLD	0.1 kg / 0.22 lb
Rectangular BLD	0.2 kg / 0.44 lb
Scissor Arm	11.7 kg / 25.8 lb

Support Arm	Arm S: 2.8 kg /6.2 lb, M: 4.0 kg /8.8 lb, L: 4.8 kg /10.6 lb, XL: 5.4 kg /11.9 lb
Wall Adaptor	1.3 kg / 2.9 lb
Mobile Stand	29.4 kg / 64.8 lb