

Art Plus Technical DATA

Manufacturer	FONA S.r.l. , via G.Galilei, 11, 20057, Assago (MI)
Nominal line voltage	230 V \pm 10%, 115 V \pm 10%,
Nominal line frequency	50/60 Hz
Line fuse	T8 A 250V for 230 V version; T16 A 250V for 115 V version
Mains Resistance	\leq 0.8 ohm at 230 V, \leq 0.4 ohm at 115 V
Rating	1350 (W or VA)
Curve form of high voltage	High frequency multi-pulse, ripple \leq 4%
Tube Voltage	61 - 85 kV \pm 5%, constant potential
Tube Current	4 - 10 mA \pm 10%, direct current (DC)
Focus size	0.5 IEC 60336
Total Filtration	> 2.5 mm Al /70 kV IEC 60522
Focus marking	Dot mark on generator's cover
Beam size at image receptor (theoretical)	141 x 3.6 mm ²
Loading factor for leakage radiation	1.25 mA @ 85 kV
Leakage Radiation	\leq 1 mGy/h
Cool down pause	Variable pause depending on requested tube load
Maximum duty cycle	1/8
Column height	222 cm/87" (holes for wall plate at 210 cm/82.7" from floor)
Maximum height	229 cm/90.2"
Vertical displacement	92 cm/36.2", from 90 to 182 cm (da 35 a 71.7")
Vertical Movement	Motorized control with slow and quick motion
Weight	98Kg / 216 lb
Self standing base	Optional on request. Order code 93 600 09000
Panoramic Projections	P1: Adult Standard Panorama: 14.2 s, P2: Child Panorama: 11.5 s, P3: Left hemi-arch: 7.3 s, P4: Right hemi-arch: 7.3 s, P5: Anterior Teeth: 4.8 s, P6: TMJ normal occlusion or TMJ mouth opened: 2 x 2.2 s, P7: Frontal View of Maxillary Sinuses: 12.9 s P8: Bitewing: 8.5s
Anatomical Selection	4 Patient size levels: Small, Medium, Large, Extra Large
kV setting	9 positions in 3 kV steps: 61, 64, 67, 70, 73, 76, 79, 82, 85 kV (std mode) 4 positions in 3 kV steps: 61, 64, 67, 70 kV (kV limited mode)
mA setting	5 positions according to R10 scale: 4, 5, 6.3, 8, 10 mA
Source-Image Receptor distance	51.3 cm /20.2"
Reproduction scale	Pan image at receptor's plane is approximately 27% higher than real size (vertical magnification on adult standard profile 1.27:1 approximately)
Centering References	Chin rest with bite block or support for edentulous, bite block for panoramic programs, bite block for TMJ and sinuses programs, nasal support for panoramic programs, bite block for TMJ and sinuses programs, temple bars (optional)

Aiming lights:

Type	Class I LASER beam
Wavelength	650 nm
Output Power	< 0.15 mW at 100 mm
Reference planes	Median Sagittal Vertical, canine and Frankfurt Horizontal planes
Pulse duration	Lights stays on until the carriage goes to Start exam position

Image receptor:

Type	Multi-element Cd(Zn)Te-CMOS
Active area	150 x 6.9 mm ²
Effective pixel size	100 micron
Spatial resolution	5 lp/mm
MTF (radiation quality RQA5)	>70% at 2 lp/mm, > 30% at 5 lp/mm
DQE (radiation quality RQA5)	> 80% at 0 lp/mm; > 60% at 2 lp/mm; > 20% at 5 lp/mm
A/D conversion	12 bits
Computer interface	Gigabit Ethernet connection
Resulting image format Pano	About 2650x1350 pixels

Minimum requirements for PC

Standard	Information Technology Equipment (ITE) certified
Operating System	Windows 7 Professional / 8 / 10 (64 bit)
CPU	Intel® Core™ i7
RAM	8 GB
Hard disk	120 GB
Chipset	Intel chipset
Drives	CD ROM, 2 USB ports
Monitor	0.25 dot pitch; 450:1 contrast ratio 1024x768 minimum resolution

Environmental data

Operating conditions	Temperature: from 10 to 40 °C Humidity: from 30 to 75%
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Transport and storage

Temperature: from -10 to +50 °C
Humidity: from 20 to 80%
Pressure: from 500 to 1060 hPa