Canon
SEE IMPOSSIBLE

Product Specifications

Generator

kW Output	65 kW or 80 kW
High Frequency generator with AEC	Output: 65 kW according to EN 60336 at 100 kV Ripple rate < 1 kV at 100 kV 100 kV @ 650 mA 400 mA @ 150 kV
Radiographic parameters	From 40 to 150 kV, by step of 1 kV (or displacement in the range by slider), accuracy ± (3% + 1 kV) From 10 to 650 mA, accuracy ± (4% + 1 mA), 19 values (10, 12.5, 16, 20, 25, 32, 40, 50, 65, 80, 100, 125, 160, 200, 250, 320, 400, 500, 650) From 1 ms to 10 s, accuracy ± (2% + 0.1 ms), 38 values 1, 2, 3, 4, 5, 6, 8, 10, 12, 16, 20, 25, 32, 40, 50, 65, 80, 100, 125, 160, 200, 250, 320, 400, 500, 650, 800 ms and 1, 1.25, 1.6, 2, 2.5, 3.2, 4, 5, 6.5, 8, 10 s From 0.1 mAs to 500 mAs
Fluoroscopy parameters	From 40 to 120 kV, by step of 1 kV, accuracy ± (3% + 1 kV) From 0.5 to 5 mA (low dose) and up to 7 mA (higher dose)
Operating mode	3 points (kV, mA, s) 2 points (kV, mAs) 1 point (kV, AEC)
AEC	3 chambers

Remote Control Table

SID	Motorized and continuous from 110 to 180 cm, 6 cm/s
Column angulations	Motorized, +/-40°, 10°/s
Tube rotation	Manual, +/-180°, with electromagnetic brake and mechanical stops every 90° that permits, with table in vertical position, to makes exposures on stretcher or on wall stand (dependant on the configuration)

Tomography

Layer thickness	1.5 mm (at 40°), 3 mm (at 20°), 6 mm (at 10°)
Maximum speeds per angle	0.5 s (10°); 1 s (20°); 2 s (40°)

Patient Support

Table height	64 to 93 cm, 6 cm/s
Table top	Flat, 225x81 cm, 60 cm radio transparent
Absorption	0,4 mm eq Al
Patient load	Dynamic weight is 500 pounds or less in any direction - Static weight is 660 pounds (between 501 and 660 pounds)

Lateral movements	Motorized, +/- 18 cm at 6 cm /s	
	Longitudinal movements	Motorized, +/- 50 cm (or 70/30 cm or 120/50 cm) at 10 cm /s
	Tilting	-25°/+90°, 6°/s
	FPD longitudinal travel	135 cm, 14 cm/s
	Patient coverage	Head to Toe, > 2.5 m

Grid

Focus	110 cm and 180 cm
Ratio	10:1, 40 l/cm

Table Console

Soft keys	Tube 0 position, table 0 position, longitudinal tabletop movements, lateral tabletop movements, auto-collimation, auto-positioning and lighting
Joysticks	SID, column angulations, tilting, variable height, carriage, tabletop lateral movements and collimator shutters
IR remote control	All the table movements are available

Touch screen

3 table position quick access	Stretcher, parking and chest
3 fluoroscopy field zooms	14", 12", 9"
Display	Table height, angulations, SID, tilting angle, collimator size

Accessories

Footrest
Adjustable stool
2 handles
2 winches
1 belt

X-ray Tube

Presetting of x-ray tube features	Loading ratings, cooling ratings, starting voltages, starting times, maximum current limitation
Safety and protection disposals for x-ray tube	The electronic calculation of load by software indicates limits to the tube with message and forbids x-ray emission Housing temperature control and display of available Heat Units in % Overheated IGBTs detection Housing oil pressure control in series with x-ray tube heat safety

Max exposure voltage	150 kV
Focal spot	0.6 and 1.2 mm
Output	40 and 100 kW
Anode angle	12.5°
Anode rotation	9000 rpm
Time of anode rotation	1.6 s
Anode dimension	102 mm
Inherent filtration	0.7 mm
Anode heat storage capacity	600 kHU (285kJ) Standard 800 kHU and 1000 kHU Optional
Anode heat dissipation rate	1000 W (81,1 kHU /min; 60 kJ /min)
House heat storage capacity	2025 kHU (1000 kJ)
Housing heat dissipation rate	1000 W (81 kHU /min; 60kJ /min) with fan
Cooling	Air
High Voltage cable length	12 meters
Total filtration	IEC 60-601-3 compliant
Weight	29 kg

Collimator

Inherent filtration	1 mm Al
Copper pre-filter	0 mm - 0.1 mm - 0.2 mm - 0.3 mm motorized and automatic (pre-programmed in each protocol)
Rotation	+/-30°
Full field light localizer	100 W halogen lamp, laser, timer
Square collimation	Motorized, manual or automatic (pre-programmed in each protocol)

DAP System

Active area	147 mm × 147 mm
Stabilization time	Approximately 6 minutes
Measuring range	from 10 to 99 999 999 mGy.cm²
Digital resolution	1 mGy.cm²
Sensitivity uniformity	< 6 %
Accuracy	+/- 25 %
Filtration Eq Al (70 kV)	0.2 mm
Transparency	> 70 %

Video Camera

Video camera	Free radiation positioning
Image display	On the screen of the table console

Auto-Positioning

Complete system operation	Control of generator, table and imaging system from the acquisition console
Examination procedure	The table position, generator parameters and collimation settings, including additional filtration and image processing parameters, are automatically set via protocols
Protocols	Customizable

Table Auto-Positioning

Tilting
Column angulations
SID
Lateral tabletop position
Longitudinal tabletop position
Collimation
Filters

Optional Compression

Compression strength	0 to 130 N
Available angulations	+/-10°

RadPRO D2-50RF Dynamic Digital RF System is distributed by Virtual Imaging, Inc., a Canon U.S.A. Company.