G100C RAD 65 kW DR

Radiographic 65 kW high frequency generator

Product Data

Radiological features

Application	Radiographic only
Power	65 kW
Exposure time range	0,001 ÷ 6.3 s according to R10 scale
kV range	40 ÷ 150 kV in 1 kV step
mA range	10 ÷ 800 mA according to R10 scale
mAs range	0.1 ÷ 1000 mAs according to R10 scale
kV accuracy	± 5% + 1 kV
mAs accuracy	± (10% + 0.2) mAs
High frequency (max)	400 kHz
Ripple	Typical < 1 kV @ 100 kV
Rise time	< 1.5 ms up to 90% of kV value
Working places	Up to 5
N° tubes	1
Rotating anode speed	3000 rpm (standard) 9000 rpm (with high speed starter option)
Technique selection	3 points (kV, mA, s) 2 points (kV, mAs) 1 point with AEC (option)
Anatomical technique (APR)	1024 programs with standard membrane console. More than 20000 programs with optional touch screen console
Safeties	Overload, Overvoltage, Overcurrent, Anode temperature, Anode rotation
User interface	- Membrane console with digital alphanumeric display, menu driven parameters selection for anatomical technique, user dialogue and exposure parameters (kV, mA/mAs, time) (standard) - Touch screen console (option) - Mini-console with X-ray pushbutton (option)
Console language choice	Italian, English, French, German, Spanish, Chinese, Cyrillic
Focus selection	Manual or automatic selection of 2 focal spots
Anode heat calculator	Real time calculation and display of anode heat content (HU%)

AEC (option)

AEC technique	1 point
Measuring chamber	3 fields
Screen-film combination	3 choices
Film darkening adjustment	8 steps
Number of receptors	Up to 2

Dual-Energy function (option)

Dual-Energy (available only with digital acquisition system and with generator equipped with mini-console)	Dual-Energy function performs two exposures at low and high kV values. The combination of low and high energy level images provides a better details visualization of bone and soft tissues

Accessories

Integrated DAP meter	Option
X-ray handswitch	Option
15" touch screen console	Option
Mini-console	Option. Mandatory for the use of Dual-Energy function

Electrical features

Power supply voltage	400 Vac ± 10% three phase (standard) 480 Vac ± 10% three phase (to be specified at order)
Frequency	50/60 Hz
Line impedance	≤ 0.13 Ω
Line voltage compensation	Automatic
Momentary current	125 A
Standby current	≤ 5 A
Momentary power consumption	85 kVA

Dimensions and weights

Item	Dimensions	Weight
Control desk (without pedestal)	278 x 312 x 90 mm (WxDxH)	3 kg
15" touch screen console (option)	365 x 280 x 398 mm (WxDxH)	8.2 kg
Mini-console	140 x 65 x 28 mm (WxDxH)	< 1 kg
Electrical cabinet	648 x 348 x 619 mm (WxDxH)	61 kg
HT transformer	Integrated in the cabinet	

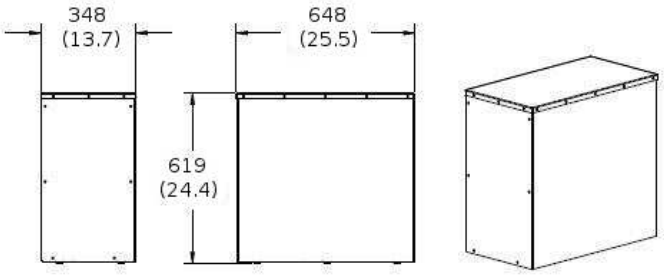
Environmental features

Item	Operating	Transport and storage
Temperature	10 to 40 °C	-20 to 70 °C
Relative humidity	20 to 80% non condensing	5 to 95% non condensing
Pressure	700 to 1100 hPa	700 to 1100 hPa

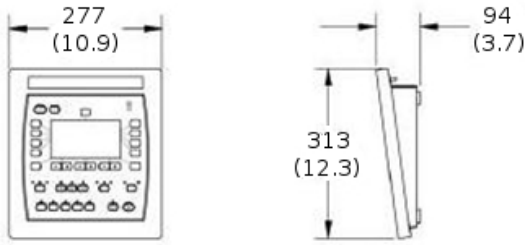
Standards and Regulations

CE 0086	CE symbol grants the product compliance to the European Directive for Medical Devices 93/42/EEC and its revised versions as a class IIB device
C SA US	c-CSA-us approval means that the product meets the requirements of the applicable US and Canadian standards
FDA	FDA approval grants the product compliance to US Code of Federal Regulation title 21 subchapter j
Santé Canada Health Canada	Health Canada Licence grants the product compliance to the Canadian Medical Device Regulations SOR/98-282

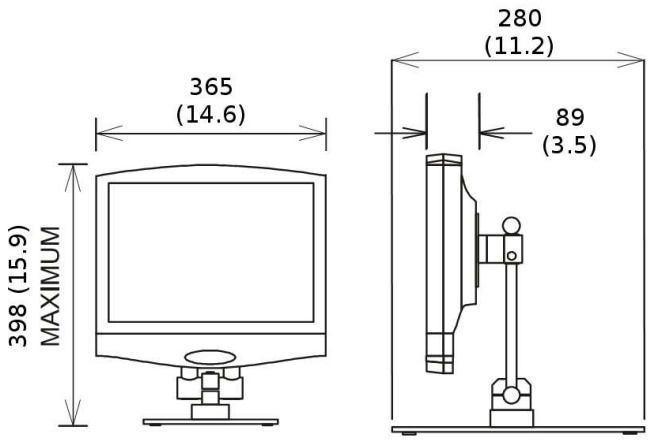
Site planning – dimensions in mm (inches)



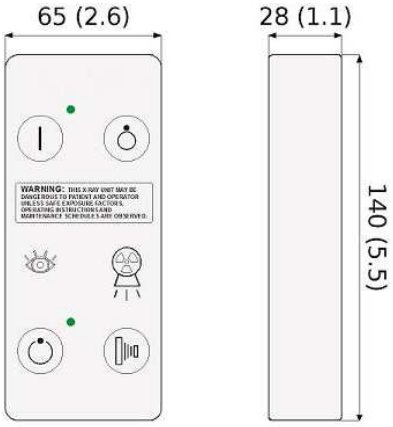
Electronics cabinet



Membrane console



Console touch screen 15" (option)



Mini-console (option)

Note: Products are continuously under review in the light of technical advancement. The actual specification may therefore be subject to improvement or modification without notice.

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Company with Quality System certified by

ISO 9001:2015 ISO 13485:2016