



## *G100 NL-65F DR*

**Radiographic 65 kW high frequency generator**

### **Product Data**

#### **Radiological features**

Application	Radiography
Power	65 kW
High Voltage Frequency	50 kHz
Exposure time range	1 ÷ 10000 ms
ms accuracy	± (5% + 0.2 ms)
kV range	40 ÷ 150 kV in 1 kV steps
kV accuracy	± 5%
mA range	10 ÷ 800 mA selected according R10 scale
mA accuracy	≤ ± (5%) (mA > 25 mA, ms > 5) ≤ ± (10% + 1 mA) (mA ≤ 25 mA) ≤ ± 20% (ms ≤ 5)
mAs range	0.5 ÷ 800 mAs selected according R10 scale
mAs accuracy	± (5% + 0.2 mAs)
Working places	Up to 3
N° tubes	1
Rotating anode speed	Interface for high speed tubes supplied as standard
Technique selection	3 points (kV, mA, ms) 2 points (kV, mAs) 2 points with AEC (kV, mA) in option
Anatomical programs (APR)	Defined through Villa's digital image acquisition system
Safeties	Overload, Overvoltage, Overcurrent, Anode temperature, Anode rotation
User interface	Mini console with two pushbuttons for generator switch on/off. Selection of exam parameters through Villa's digital image acquisition system
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	2 points
Measuring chamber	3 fields
Screen-film speed combination	3 choices: high, middle, low (200 ÷ 1200)
Film darkening adjustment	-8 ÷ +8
Number of receptors	Up to 2

### Accessories

X-ray handswitch	Supplied as standard
DAP meter	Option

### Electrical features

Power supply voltage	380/400 Vac ± 10% three phase
Frequency	50/60 Hz
Line impedance	≤ 0.13 Ω
Line voltage compensation	Automatic
Momentary current	155 A
Standby current	≤ 1 A
Momentary power consumption	72 kVA


### Dimensions and weights

Item	Dimensions	Weight
Mini console	144 x 80 x 24 mm (WxDxH)	< 1 kg
Electrical cabinet	600 x 600 x 800 mm (WxDxH)	110 kg
HT transformer	Integrated in the cabinet	

### Environmental conditions

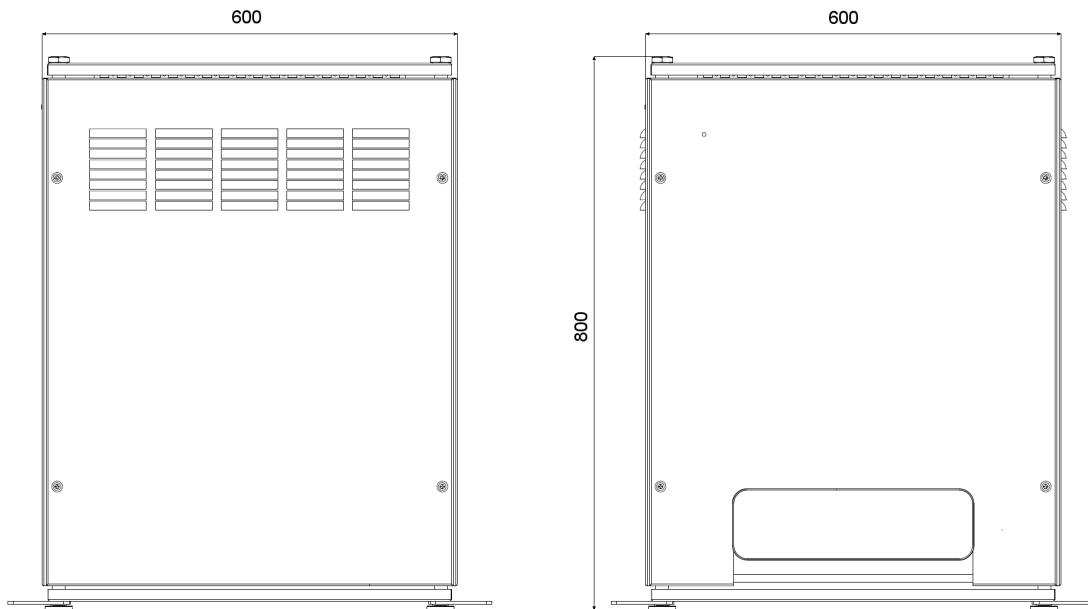
Operating conditions	Temperature:	from +10° to +40° Celsius (50° F to 104° F)
	Humidity:	from 30% to 75%
	Pressure:	from 700 to 1060 hPa
Conditions for transport and storage	Temperature:	from -35° to +75° Celsius (-31° F to 158° F)
	Humidity:	from 10% to 95% non condensing
	Pressure:	from 500 to 1060 hPa

### Standards and Regulations

	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
-------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------



Dimensions in mm



Electrical cabinet



Mini console

**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.

VILLA SISTEMI MEDICALI s.p.a.  
 20090 BUCCINASCO (MI) - ITALY,  
 Via delle Azalee, 3  
 Tel. +39-02-488591, Fax +39-02-4881844

Company with Quality System certified by



ISO 13485: 2016