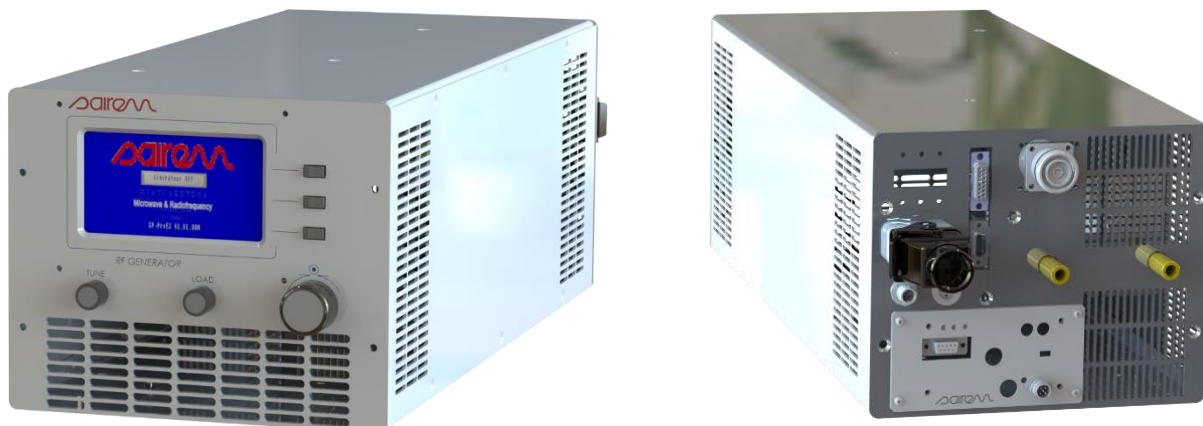




GHP 40 KE

High frequency, radio frequency generator 4 kW 27.12 MHz

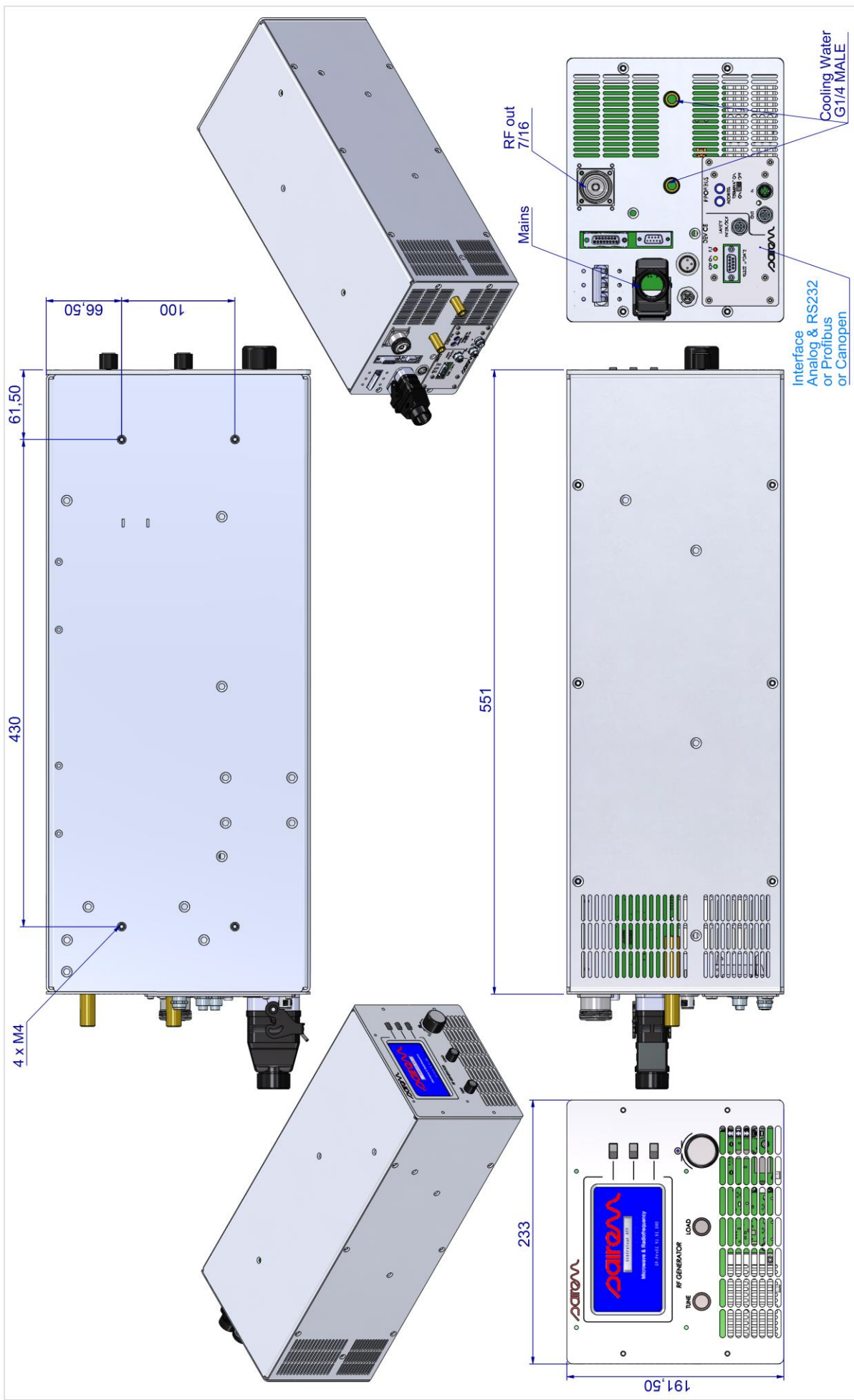


The GHP family RF generators have 50 Ohms RF output impedance, with high efficiency solid state amplifiers driven by a semi-conductor quartz, with an integrated matching box control and a full control by industrial bus.

It operates in the ISM band (Industrial, Science & Medical), at 27.12 MHz. The RF output power is adjustable from 0 to 4 kW within 50 Ω matched load.

The GHP 40 model with its power stability and spectrum quality make it adequate to supply applicators with high quality factor, for a wide range of applications such as drying, plasma, defrosting, desinsectization, and all other thermal treatment by dielectric losses for research or industry, i.e. drying. A specific version for plastic welding is available.

Reference	GHP 40 KE
Presentation	½ 19" Rack 4.5 U, contained high efficiency RF circuits, one DC power supply, an HMI and electronic control system
Frequency	27.12 MHz +/- 0.5 % (quartz), harmonics < - 50 dBc
Output RF power	Adjustable from 0 to 4 kW on 50 Ω load
Power stability	Power stability: +/- 0.5 %, ripple < 1 % RMS
Max. reflected power	400 W max. Over this level, automatically forward power is limited to protect the GHP..
Running mode	Continue (CW). Optional pulsed mode to 2 kHz, pulse wide > 500 μ s
Local control	For the generator and the matching box,
Remote control	Available industrial bus: Analogue (0/10 V) & RS232, Modbus on RS232 or RS485, Profibus®, CanOpen, Ethernet/IP. Matching box controller: capacitors position set point and reading, manual or automatic matching, reading of electric field (RF voltage) on electrode or DCbias in plasma
Air and water cooling	Water cooling: min. flow 7 L/mn @ min. 2,5 bar (max 4 bar), water temperature between 18 °C & 23 °C, no condensation Max. air Temperature: 45 °C
Mains	380 – 480 VAC 3 phases, consumption 8 kVA
RF connector	7/16 female
Sizes, weigh	Wide ½ Rack 19" (233 mm), heigh 4,5U (192 mm), prof 551 mm, weigh 19 kg
Complies with norms	IP20, norms EN 61010-10, EMC: EN 61000-6-4, EN 61000-6-2.



		saiREM		12, Porte du GRAND LYON 01707 NEYRON Cedex - FRANCE tél: 04 72 01 81 60 fax: 04 72 01 81 79 www.saiREM.com	
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