



## 915 MHz, 100 kW MICROWAVE GENERATOR

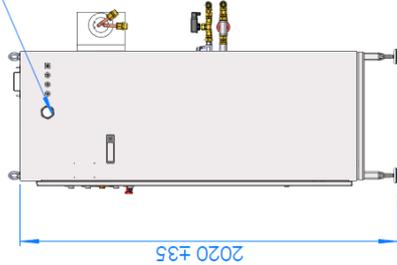
### REF: GLP1000KI56T4003

GLP1000KI microwave generators are designed for industrial applications, such as defrosting, drying etc. An industrial programmable logic controller (PLC) simultaneously operates electro-magnet current, filament voltage, power measurement, fault management and safety interlocks. This leads to excellent industrial reliability, maximum efficiency, a reduced ripple and an increased life time of the magnetron.

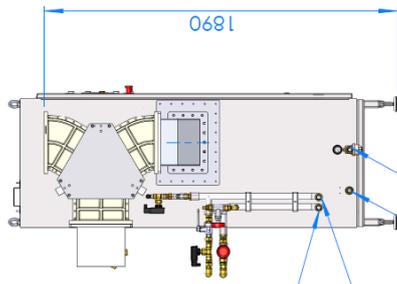
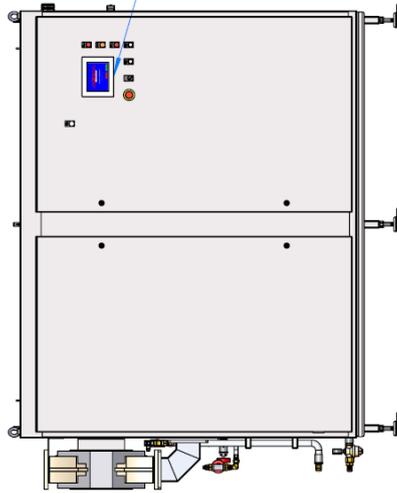


<b>REF</b>	GLP1000KI56T4003
<b>Presentation</b>	Electro-magnet power supply with 3-phase transformer and filament power supply controlled by PLC
<b>Frequency</b>	915 MHz $\pm$ 5 MHz or 896 MHz $\pm$ 5 MHz (to be chosen when ordering).
<b>Output power</b>	Adjustable from 10 to 100 kW in continuous wave or controlled pulsed mode
<b>Power stability</b>	2 % between 20 and 100 kW, ripple $\pm$ 5 % at full output power.
<b>HMI &amp; PLC</b>	HMI through 7" touch screen, Proface PLC, USB and Ethernet ports; all control functions, operational data and generator status are displayed, e.g. alarm & fault history.
<b>Operating modes</b>	Continuous wave
<b>Reflected power control and Interlock</b>	Via coupler; microwaves are stopped when reflected power exceeds the user-defined power level
<b>Remote control</b>	USB, Ethernet, Canopen or Modbus
<b>Safety switch</b>	Emergency stop and available remote interlock via safety relay
<b>Microwave output</b>	WR975, flange CPR 975
<b>Mains</b>	380/420 V, 50 Hz or 60 Hz, 3-phase + earth
<b>Consumption</b>	125 kVA at full power
<b>Cooling</b>	By water, between 19 and 23 °C, 4 bars differential pressure, 75 L/min to 130 L/min depending on the reflected power level, water temperature displayed on HMI, inlet 3/4" female, outlet 1" female.
<b>Size, weight</b>	Size: see drawing on following page, weight ~ 1380 kg

Arrivée secteur  
Mains Power supply  
PE ISO63



Ecran de control  
Control display

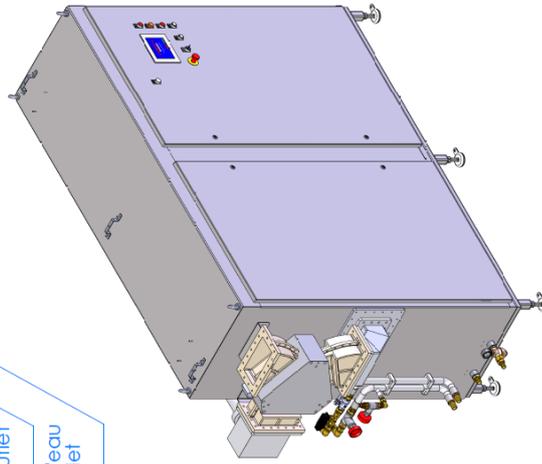
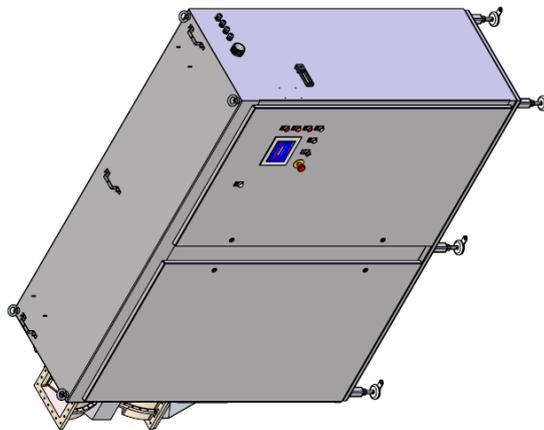
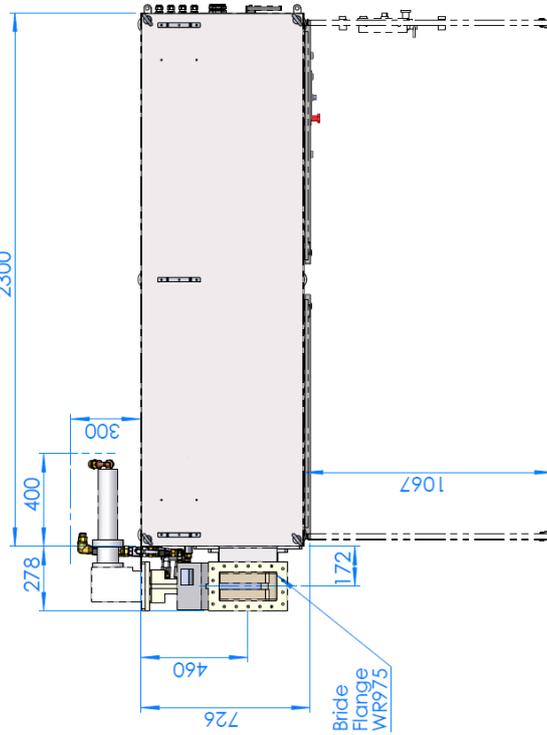


Entrée d'eau  
Water inlet  
G1" Water load

Sortie d'eau  
Water outlet  
G1" Waterload

Sortie d'eau  
Water outlet  
G1"

Entrée d'eau  
Water inlet  
G1/2"



		<p>TITRE: <b>GLP 750 KI GENERATOR</b></p>	
		<p>FORMAT: <b>A3</b></p>	<p>DESIGN NO.: <b>3389-ENSB</b></p>
		<p>ECHELLE: <b>1:20</b></p>	<p>WEIGHT:</p>
			
		<p>12, Porte du GRAND LYON 01707 NEYRON Cedex - FRANCE tél: 04 72 01 81 60 fax: 04 72 01 81 79 www.sairem.com</p>	
A	08-06-15	BDE	EMISSION ORIGINALE
INDEXE	DATE	DESINE	VERIFIE APPROUVE MODIFICATION DU DESSIN