

## “ *Generate power from your waste heat* ”

Founded in 2009, ENOGIA is a turbine based ORC manufacturer specialised in waste heat recovery with systems producing from 10 kWe to 180 kWe.

### THE PRODUCT

The ENO-10LT module is an ORC manufactured by ENOGIA, able to recover up to 160 kWth with a nominal power output of 10 kWe even after low grade heat source at 70°C.



High speed **patented micro-turbines**



Hydraulic connections with **standard flanges**



Remote control and access **24/7**



**Assembling and performance testing** in ENOGIA workshop



**Plug-and-play** system on a single skid



### THE ONLY 10KW ORC IN THE WORLD

The ENO-10LT is the smallest ORC module of the ENOGIA LT range.

As the first machine launched on the market by ENOGIA, this system demonstrated extended running hours on site after biomass boilers, gas engines, geothermal sources or industrial processes.

By being very compact and easy to integrate with standard flanges, this ORC is the perfect plug-and-play system.

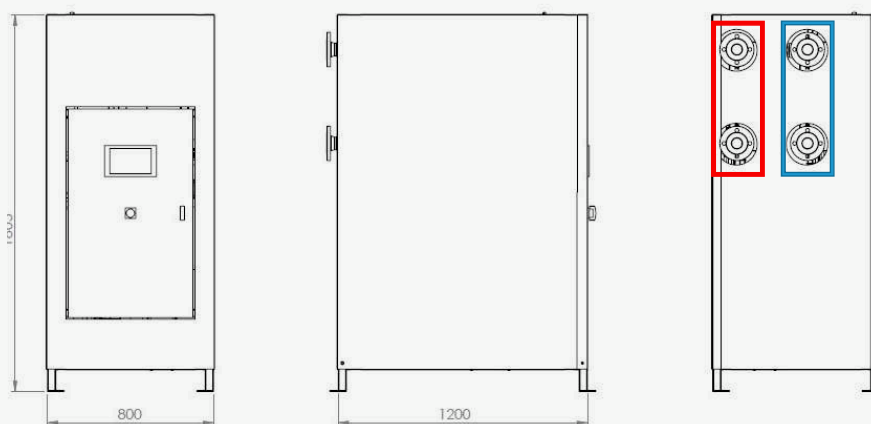
It is even possible to connect the cold loop of the ORC to a drying system, a floor heating system or greenhouses to reach global efficiency close to 95%.

## ENO-10LT CHARACTERISTICS

<b>Electrical ratings</b>	Maximum gross electric power Grid connection	10 kWe 400V, 3ph, 50-60 Hz
<b>Heat source</b>	Temperature range Thermal power input range Hot source medium Hydraulic connections	70-120°C* 55-160 kWth Water, steam, oil DN 50, PN 16
<b>Cold source</b>	Temperature range Working fluid Cooling system Hydraulic connections	0-55°C Water Dry cooler, cooling tower DN 50, PN 16
<b>Main components</b>	Working fluid Generator Expander Heat exchangers Pump Controls Monitoring	R1233zd High speed, permanent magnet Kinetic turbine Brazed plate Multi-stage magnetic coupling Industrial PLC Remote web support
<b>Main ratings</b>	Weight Dimensions L x w x h Environmental Noise level @10m Design lifetime Safety	450 kg 1,2 m x 0,8 m x 1,8 m IP 20 60 dB 20 yrs Non flammable, non toxic, ODP=0
<b>Norm compliance</b>	Machine directive PED Electrical norms Norm compliance	2006/42/EG 2014/68/EU 2014/35/EG VDE-4105 (G59, VDE-ARN, UL, etc.)

\* possibility to have >120°C with ORC MT

## DIMENSIONS



### GOOD TO KNOW

This equipment should be installed as close as possible to the heat source to reduce heat losses through the pipes.