

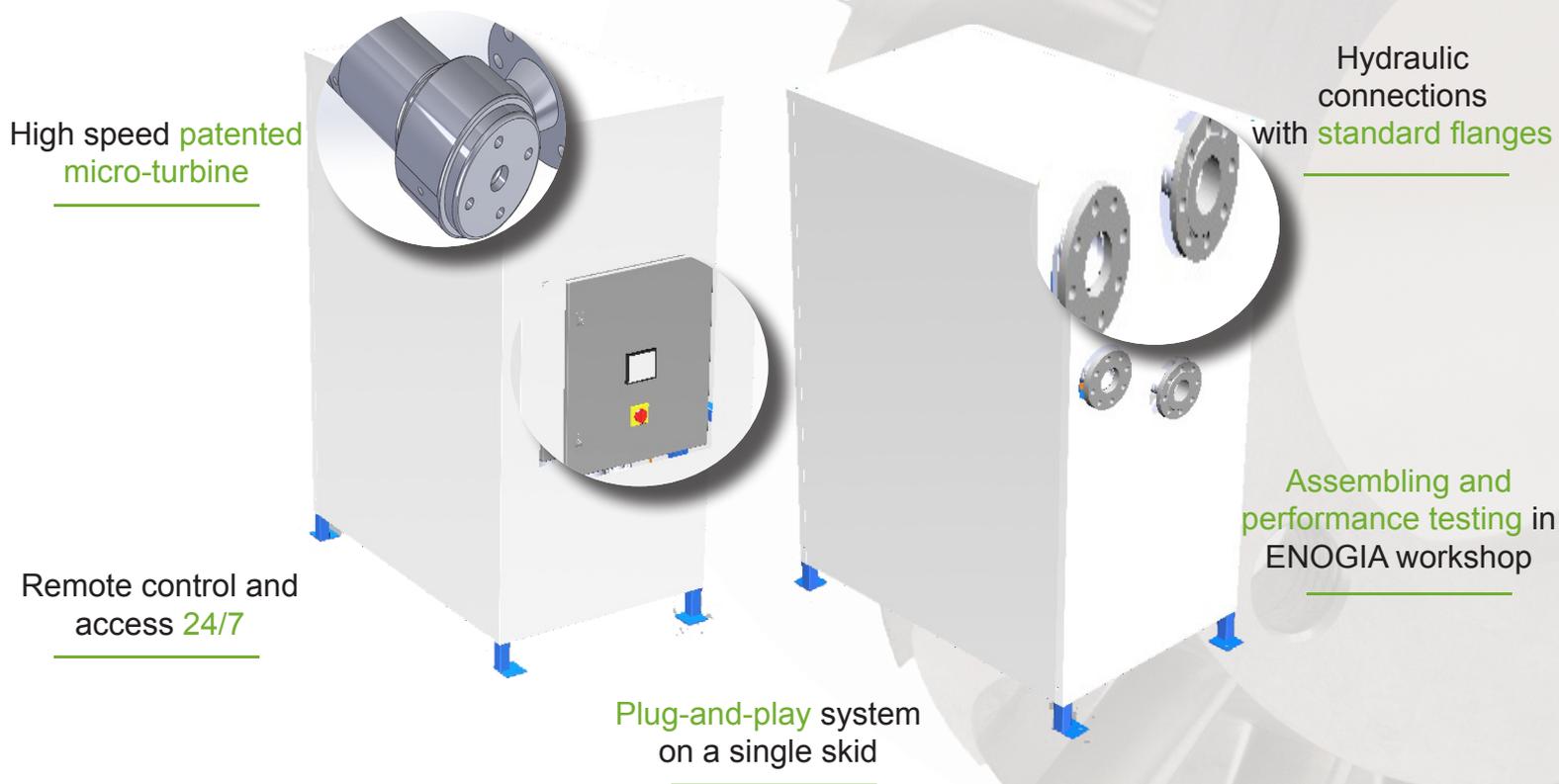
DATASHEET ORC ENO-20LT

« Generate power from your waste heat thanks to our ORC »

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-20LT module is an ORC manufactured by ENOGIA, able to recover until 320 kWth and having a nominal power production of 20 kWe even after low grade heat source at 70°C.



A system combining performance and reliability

Designed with the same state of mind than the ORC manufactured by ENOGIA, ENO-20LT is a turnkey solution involving few hydraulic and electrical modifications to be integrated with this system thanks to its kinetic turbine.

This ORC can be integrated on a wide range of applications such as biomass boilers, gas engines, geo-thermal sources, process heat or concentrating solar panels. Any heat flow with temperatures between 70°C and 120°C can be recovered with this system thanks to its two kinetic turbines.

In addition, it is possible to connect the cold loop of the ORC to a drying system, a floor heating system or greenhouses and reach global efficiency close to 95%!

TECHNICAL DATA

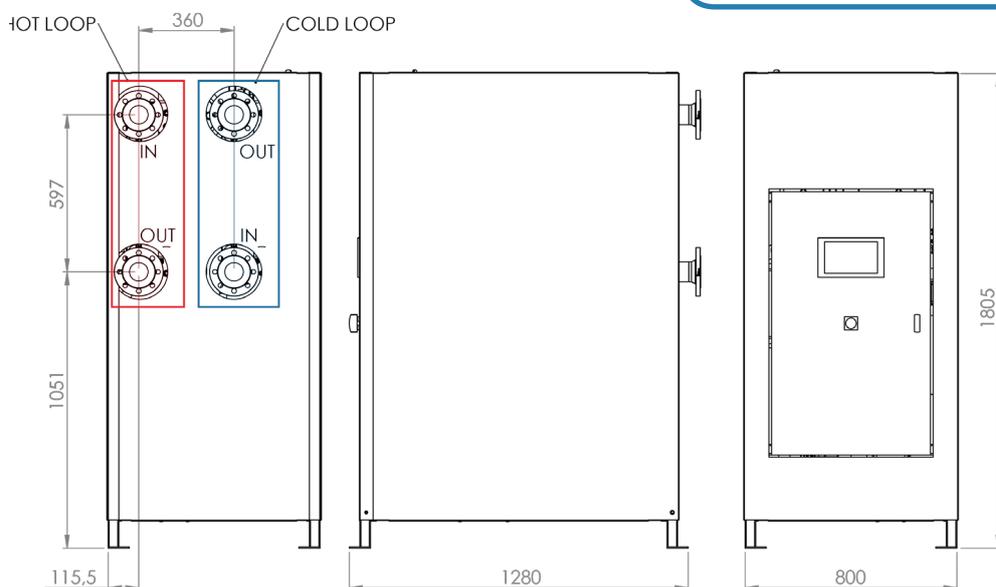
Characteristics of ENO-20LT

Electrical ratings	Maximum gross electric power [kWe] Grid connection	20 400V, 3ph neutral + earth, 50-60 Hz
Heat source	Temperature range [°C] Thermal power input range [kWth] Hot source medium Hydraulic connections	70-120 160-320 Water, Steam, Oil DN 65, PN16
Cold source	Temperature range [°C] Working fluid Cooling system Hydraulic connections	0-60 Water Dry cooler, cooling tower DN 65, PN 16
Main components	Working fluid Generator Expander Heat exchangers Pump Controls Monitoring	R1233zd High speed, permanent magnet Kinetic turbine Brazen plate Multi-stage magnetic coupling Industrial PLC Remote web support
Main ratings	Weight [kg] Dimensions L x w x h (mm) Environmental Noise level [dB] @10m Design lifetime [yrs] Safety	900 1280 x 800 x 1805 IP 20 60 20 Non flammable, non toxic, ODP=0
Norm compliance	Machine directive PED Electrical norms Grid codes	2006/42/EG 2014/68/EU 2014/35/EG VDE-0126 (G59, VDE-ARN, UL,...)

Dimensions

Good to know

This system, plug and play, should be installed as close as possible of the heat source to reduce heat losses through the pipes.



Contact us :

ENOGIA - 19 avenue Paul Héroult 13015 MARSEILLE
+33(0)4.84.25.60.17 / info@enogia.com
www.enogia.com

 ENOGIA
 @enogia_orc
 Enogia ORC

 **ENOGIA**
The Small Turbine ORC Company