

**UN EQUIPO PARA CADA NECESIDAD**

ONE EQUIPMENT FOR EVERY NEED

**TECNOLOGÍA ORC**

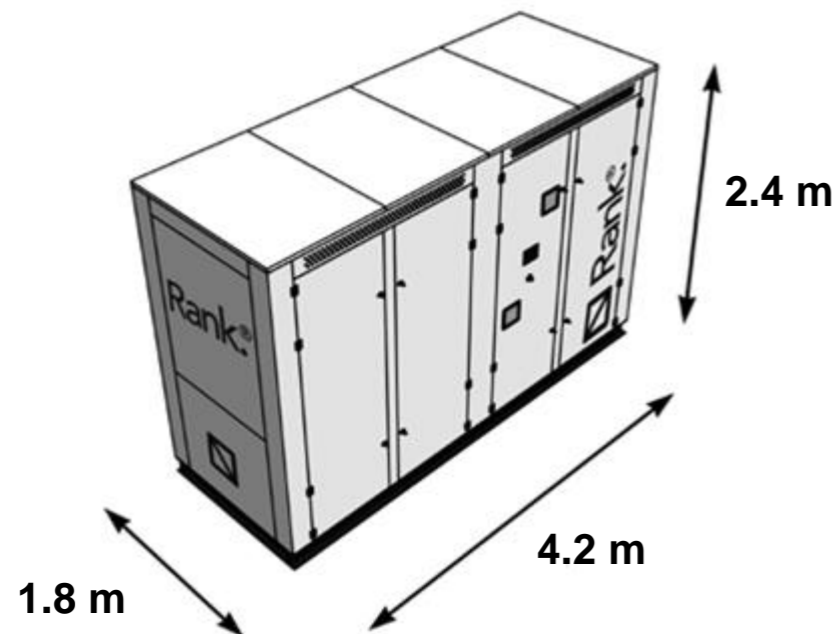
ORC TECHNOLOGY

## Rank HTC1 performance

		<b>nominal</b>									
<b>Heat source</b>	<b>Inlet temperature (°C) <sup>(1)</sup></b>	180.0	180.0	190.0	190.0	190.0	200.0	<b>200.0</b>	200.0	210.0	210.0
	<b>Fluid</b>	Thermal oil	Thermal oil	Thermal oil	Thermal oil	Thermal oil	Thermal oil	<b>Thermal oil</b>	Thermal oil	Thermal oil	Thermal oil
	<b>Flow rate (m³/h)</b>	12.5	12.5	12.5	12.5	12.5	12.5	<b>12.5</b>	12.5	12.5	12.5
	<b>Thermal power (kWt)</b>	295-325	320-350	325-360	350-390	375-415	360-400	<b>385-425</b>	410-455	425-470	400-440
<b>Heat sink</b>	<b>Inlet temperature (°C) <sup>(2)</sup></b>	45.0	55.0	45.0	55.0	65.0	45.0	<b>55.0</b>	65.0	55.0	65.0
	<b>Fluid</b>	Water	Water	Water	Water	Water	Water	<b>Water</b>	Water	Water	Water
	<b>Flow rate (m³/h)</b>	19.0	19.0	19.0	19.0	19.0	19.0	<b>19.0</b>	19.0	19.0	19.0
	<b>Thermal power (kWt)</b>	220-245	235-265	235-265	255-285	275-305	255-285	<b>275-305</b>	300-330	300-330	285-315
<b>Electrical power</b>	<b>Gross power (kWe)</b>	24.5-27.5	25.0-27.5	28.5-32.0	29.0-32.5	29.0-32.5	33.0-36.5	<b>34.0-37.5</b>	34.5-38.0	39.0-43.0	34.0-38.0
	<b>Net power (kWe)</b>	21.0-23.5	20.5-23.0	24.5-27.0	24.0-26.5	23.0-25.5	28.0-31.0	<b>27.5-30.5</b>	27.0-30.0	31.5-35.0	27.0-30.0

(1) The output temperature in the heat source for the nominal operating conditions is 140°C (a temperature difference of 60°C). For all other operating conditions, the outlet temperature should be obtained using the provided thermal power.

(2) The output temperature in the heat sink for the nominal operating conditions is 70°C (a temperature difference of 15°C). For all other operating conditions, the flow rate should be adjusted in order to obtain the same temperature difference (10°C).



### Reference standards:

- CE Low voltage Directive 2006/95/EC
- Machinery Directive 2006/42/EC
- Electromagnetic Compatibility Directive 2004/108/EC
- Pressurized Equipment Directive 2014/68/EC
- ENA ER G59/3
- ASME B31.1 – Power Piping Code, Mechanical
- ASME B31.3 – Process Piping Code
- Receiver complies with ASME Boiler and Pressure Vessel Code Section VIII
- Built in accordance with UL 508A- Control Panel Wiring
- Sound pressure tested in accordance with EN/ISO 3744:2010

### Connections:

Heat source: 2 ISO flanges DN80 PN16  
Heat sink: 2 ISO flanges DN80 PN16  
Electrical: 400V 50Hz 3ph  
Data: Ethernet RJ45