

UN EQUIPO PARA CADA NECESIDAD

ONE EQUIPMENT FOR EVERY NEED

TECNOLOGÍA ORC

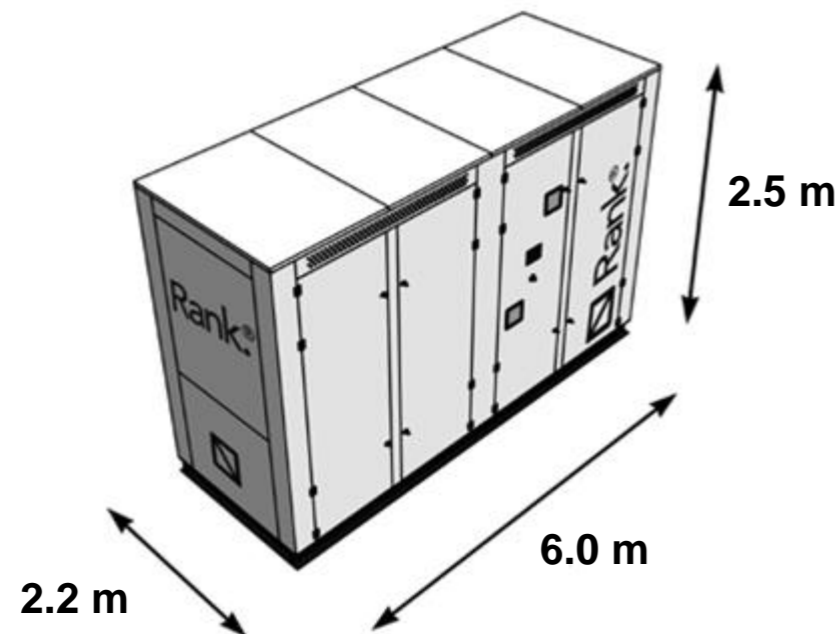
ORC TECHNOLOGY

Rank HTC3 performance

		nominal									
Heat source	Inlet temperature (°C) ⁽¹⁾	180.0	180.0	190.0	190.0	190.0	200.0	200.0	200.0	210.0	210.0
	Fluid	Thermal oil	Thermal oil	Thermal oil	Thermal oil	Thermal oil	Thermal oil	Thermal oil	Thermal oil	Thermal oil	Thermal oil
	Flow rate (m³/h)	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
	Thermal power (kWt)	1025-1135	1105-1220	1135-1255	1220-1350	1305-1440	1255-1385	1345-1485	1435-1585	1420-1570	1390-1535
Heat sink	Inlet temperature (°C) ⁽²⁾	45.0	55.0	45.0	55.0	65.0	45.0	55.0	65.0	55.0	65.0
	Fluid	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
	Flow rate (m³/h)	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
	Thermal power (kWt)	760-845	825-915	825-915	890-990	960-1065	890-990	960-1070	1035-1150	995-1105	990-1100
Electrical power	Gross power (kWe)	85.5-95.0	86.0-95.5	99.5-110.5	101.0-112.5	101.5-112.5	114.5-127.0	117.5-130.5	119.0-132.5	128.5-143.0	118.5-131.5
	Net power (kWe)	73.0-81.5	71.5-79.5	84.5-94.0	83.5-92.5	80.0-89.0	96.5-107.0	96.0-106.5	93.0-103.5	104.5-116.0	93.5-104.0

(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 DN100 PN16
Heat sink: 2 ISO flanges DN150 PN16
Electrical: 400V 50Hz 3ph
Data: Ethernet RJ45