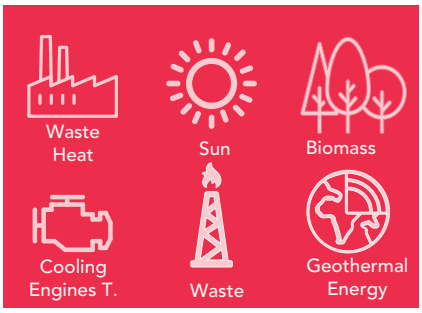
Rank.® ORC 1MWt

Selected operating point

Water-Ambient Generator Power

Heat source Tin (ºC)					
170	126	124	123	121	119
150	119	116	114	111	108
130	117	107	97	89	80
110	108	97	86	78	71
90	83	75	66	-	-
Tamb (ºC)	5	12,5	20	27,5	35

Useful heat / Disipation



Heat source

Heat transfer fluid	Agua
Inlet temperature	170 °C
Outlet temperature	150 °C
Volumetric flow rate	46 m³/h
Thermal power	1.000 kWt
Pressure drop	100 kPa

Useful heat Disipation

Heat transfer fluid	Ambiente
Ambient temperature	28 °C
Air condenser	14 kWe
Relative Humidity	1 %
Thermal power	752 kWt

Electricity

Gross power	121 kWe
Voltage	3x400 V
Frequency	50 Hz
Intensity	194 A

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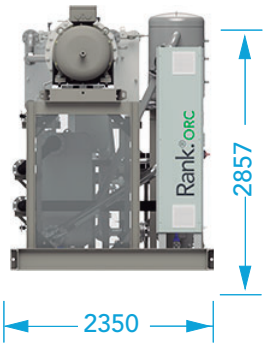
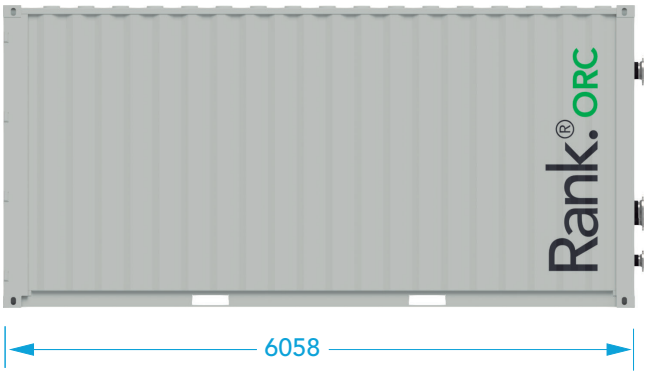
Dimensions

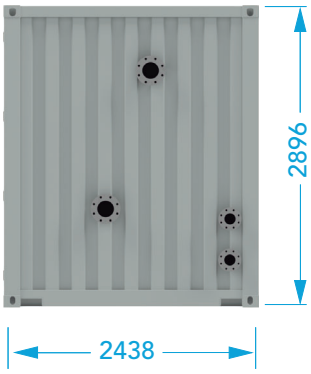
Basic Option



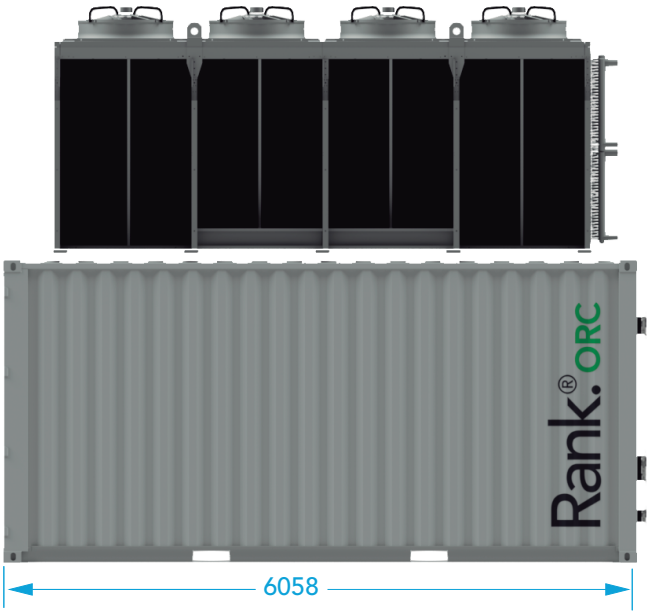
Wrap-around Option

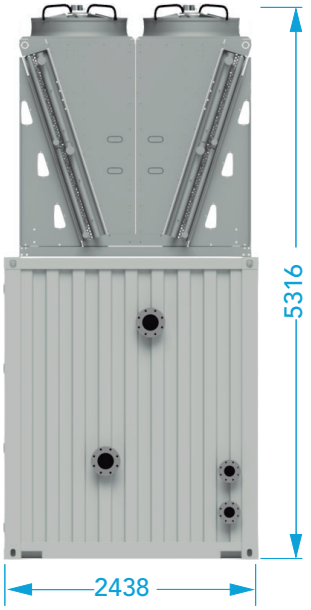
Container Option





Container Option + aero condenser





Compliance with regulations and standards

- Low voltage Directive
- Machinery Directive
- Electromagnetic Compatibility Directive
- Pressurized Equipment Directive
- EN/ISO 3744:2010
- UNE EN 10216
- UNE EN 764-7
- UNE EN 13136:2014+A1
- 2006/42/CE
- 2014/68/UE
- ASME B31.1 / ASME B31.3 – Process Piping Code
- ASME Boiler and Pressure Vessel Code Section VIII
- UL 508A- Control Panel Wiring
- 2014/35/UE
- 2014/30/UE