Rank.® ORC 1MWt

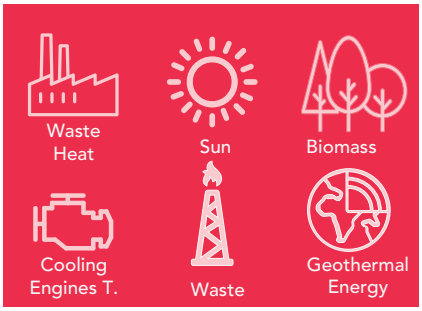
Example point of operation

Selected operating point

Water-Ambient Generator Power

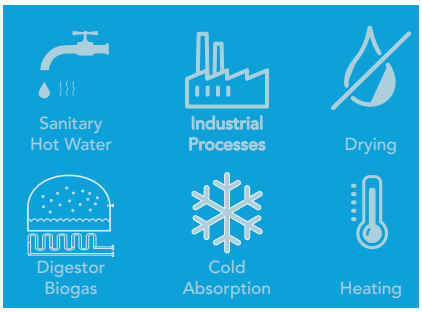
Heat source: Tin (ºC)					
170	126	124	123	121	119
150	119	116	114	111	108
130	117	107	97	89	80
110	**108**	97	86	78	71
90	83	75	66	-	-
Tamb (ºC)	**5**	12,5	20	27,5	35

Useful heat / Disipation



Heat source

Heat transfer fluid	Agua
Inlet temperature	110 °C
Outlet temperature	90 °C
Volumetric flow rate	45 m³/h
Thermal power	1.000 kWt
Pressure drop	100 kPa



Useful heat Disipation

Heat transfer fluid	Ambiente
Ambient temperature	5 °C
Air condenser	14 kWe
Relative Humidity	50 %
Thermal power	797 kWt

Electricity

Gross power	108 kWe
Voltage	3x400 V
Frequency	50 Hz
Intensity	174 A

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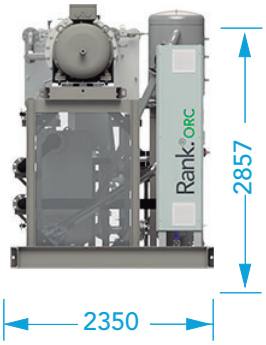
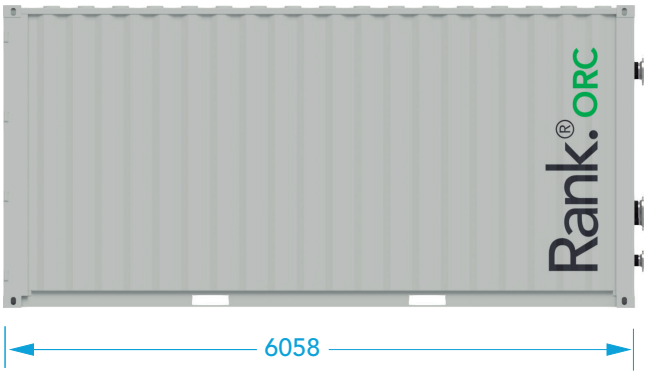
Dimensions

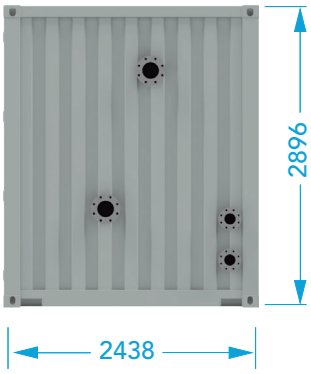
Basic Option



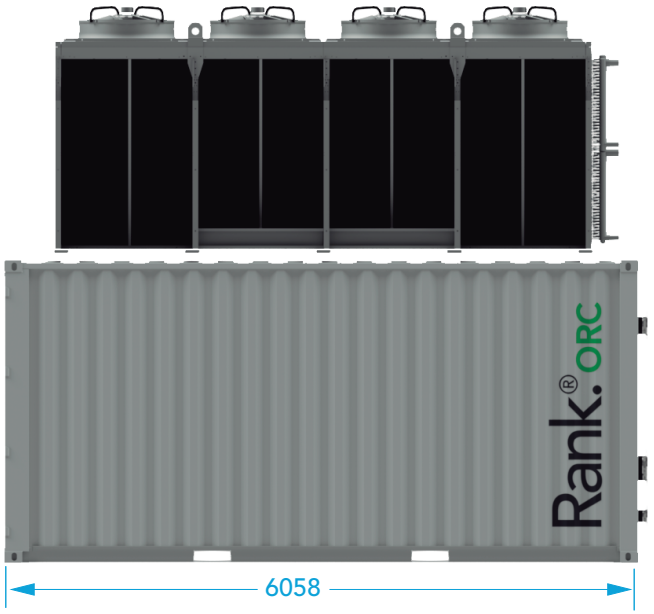
Wrap-around Option

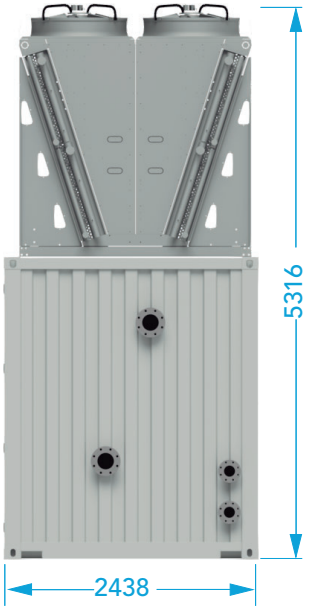
Container Option





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