MT1

Plaza de la Paz nº2, 1º
12600 La Vall d´Uixó
(Castellón) Spain
t. 0034964696859
f. 0034964697024
info@rankweb.es
www.rankweb.es

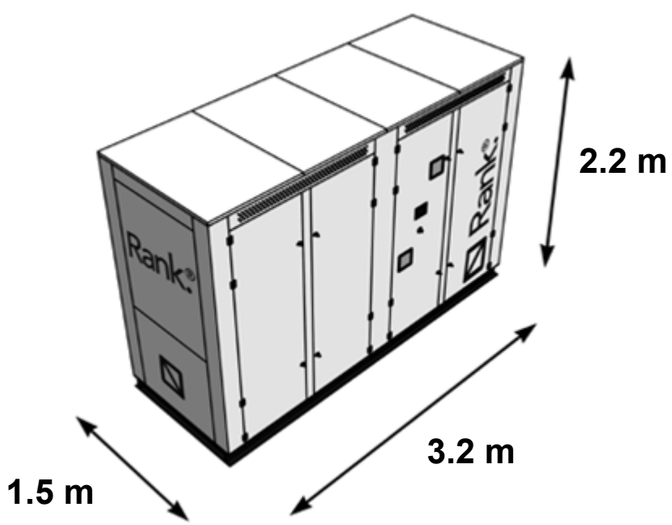
UN EQUIPO PARA CADA NECESIDAD
ONE EQUIPMENT FOR EVERY NEED

TECNOLOGÍA ORC
ORC TECHNOLOGY

Rank MT1 performance

								nominal			
Heat source	**Inlet temperature (ºC)** (1)	120.0	120.0	130.0	130.0	130.0	140.0	**140.0**	140.0	150.0	150.0
	Fluid	Water	Water	Water	Water	Water	Water	**Water**	Water	Water	Water
	Flow rate (m^3/h)	17.0	17.0	17.0	17.0	17.0	17.0	**17.0**	17.0	17.0	17.0
	Thermal power (kWt)	150-165	140-155	180-195	185-205	175-190	170-190	**175-190**	165-180	165-180	155-170
Heat sink	**Inlet temperature (ºC)** (2)	20.0	30.0	20.0	30.0	40.0	20.0	**30.0**	40.0	30.0	40.0
	Fluid	Water	Water	Water	Water	Water	Water	**Water**	Water	Water	Water
	Flow rate (m^3/h)	14.0	14.0	14.0	14.0	14.0	14.0	**14.0**	14.0	14.0	14.0
	Thermal power (kWt)	105-115	100-110	120-135	125-140	120-135	110-125	**115-130**	115-125	110-120	105-115
Electrical power	**Gross power (kWe)**	15.0-17.0	13.5-15.0	19.0-21.0	18.5-20.5	16.5-18.0	19.0-21.0	**18.5-20.5**	16.0-18.0	18.0-20.0	16.0-17.5
	Net power (kWe)	14.0-15.5	12.5-14.0	17.5-19.0	17.0-18.5	14.5-16.5	17.5-19.0	**17.0-18.5**	14.5-16.5	16.5-18.5	14.5-16.0

(1) The output temperature in the heat source for the nominal operating conditions is 130ºC (a temperature difference of 10ºC). 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 40ºC (a temperature difference of 10ºC). For all other operating conditions, the flow rate should be adjusted in order to obtain the same temperature difference (10ºC).



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 DN65 PN16
Electrical: 400V 50Hz 3ph
Data: Ethernet RJ45

Version 18.03.06