



Strojirenský zkušební ústav, s.p., Brno, Česká republika
Engineering Test Institute, Public Enterprise, Brno, Czech Republic

TEST CERTIFICATE

Number **O-B-01520-19**

Customer "Galmet Sp. z o.o." Sp. K.
ul. Raciborska 36
Głubczyce
48-100
POLAND
KRS0000406285

Product Combination Heat Pump, Brine/Water – monobloc

Type designation / Trade mark **Maxima Compact 12GT**

Test method ČSN EN 16147:2018;
EHPA Testing regulation – Testing of Heat Pumps for Domestic Hot Water
Production – Version 1.8

Basis of certificate Test reports:
39-13882/2/T of 2019-03-18,
Technical documents of "Galmet Sp. z o.o." Sp. K.

Results:	Symbol	Unit	B0/W55
Volume of tank		[l]	170
Thermostat set point temperature		[°C]	55.0
Hysteresis		[°C]	5
Load profile		[-]	L
Heat source temperature, Brine – input source liquid		[°C]	0
Heating up time	t_h	[min]	38.80
Heating up electrical energy consumption	W_{eh-HP}	[kWh]	2.1405
Stand-by power input	P_{es}	[W]	39.9
Total useful energy content during the load profile	Q_{LP}	[kWh]	11.6688
Total electrical energy consumption during the load profile	W_{EL-LP}	[kWh]	4.6226
Daily electrical energy consumption	Q_{elec}	[kWh]	4.6171
Coefficient of performance for domestic hot water	COP_{DHW}	[-]	2.524
Water heating energy efficiency	η_{wh}	[%]	106.03
Annual electrical energy consumption	AEC	[kWh/a]	965.6
Water heating energy efficiency class		[-]	A
Reference hot water temperature	θ'_{WH}	[°C]	54.15
Maximum volume of mixed water at 40 °C	V_{40}	[l]	198.4
Smart control settings – thermostat set point temperature, mode		[-]	–
Smart control Factor	SCF	[-]	–
Order of the load profiles of Day 1 to Day 5		[-]	–
Rated heat output	P_{rated}	[kW]	10.705
Seasonal coefficient of performance	$SCOP_{DHW}$	[-]	2.524

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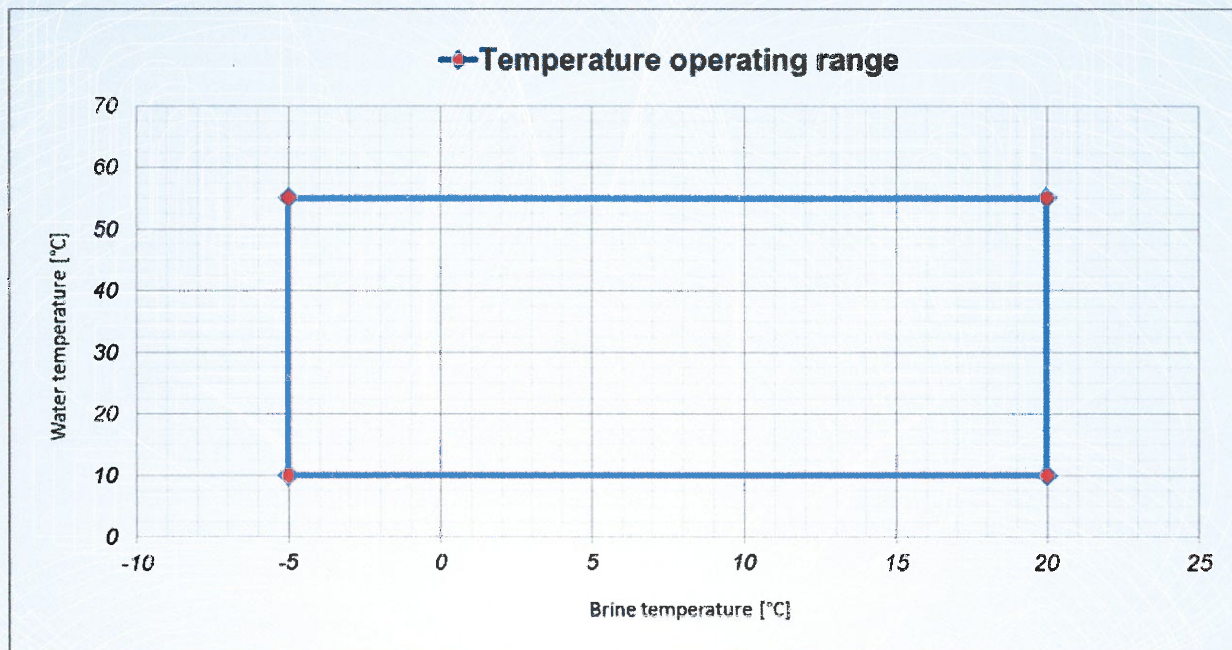
Temperature operating range*:

Test 1

B-5/W10-55

Test 2

B20/W10-55



Operating requirements and safety tests:

ČSN EN 16147

Test result

Operating requirements and safety tests:	ČSN EN 16147	Test result
Outside the operating range	clause 8.2	passed
Shutting off the heat transfer medium flows	clause 8.3.2 a)	passed
	clause 8.3.2 b)	passed
Complete power supply failure	clause 8.3.3	passed
Condensate draining	clause 8.4	passed

(*) *Comment to abbreviated marking: e.g. B0/W55*

B (brine), 0 (input source liquid temperature in °C) / W (water), 55 (water temperature in tank in °C).

Engineering Test Institute, Public Enterprise, confirms by this Test Certificate that the testing of the product in question was performed with the results as stated above. Engineering Test Institute, Public Enterprise, is an accredited Testing Laboratory 1045.1.

Brno, 2019-05-29

Milan Holomek

Head of Heat and Ecological Equipment Testing Laboratory Manager



- END OF TEST CERTIFICATE -