



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

## TEST CERTIFICATE

Number **O-B-01522-19**

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 10GT**

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:  
39-13882/4/T of 2019-05-22,  
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]	66.10
Heating up electrical energy consumption	$W_{eh-HP}$	[kWh]	2.7058
Stand-by power input	$P_{es}$	[W]	49.9
Total useful energy content during the load profile	$Q_{LP}$	[kWh]	11.6737
Total electrical energy consumption during the load profile	$W_{EL-LP}$	[kWh]	5.5245
<b>Daily electrical energy consumption</b>	$Q_{elec}$	[kWh]	<b>5.5156</b>
<b>Coefficient of performance for domestic hot water</b>	$COP_{DHW}$	[-]	<b>2.113</b>
<b>Water heating energy efficiency</b>	$\eta_{wh}$	[%]	<b>88.97</b>
<b>Annual electrical energy consumption</b>	$AEC$	[kWh/a]	<b>1150.7</b>
<b>Water heating energy efficiency class</b>		[-]	<b>A</b>
Reference hot water temperature	$\theta'_{WH}$	[°C]	51.97
Maximum volume of mixed water at 40 °C	$V_{40}$	[l]	192.8
Smart control settings – thermostat set point temperature, mode		[-]	-
Smart control Factor	$SCF$	[-]	-
Order of the load profiles of Day 1 to Day 5		[-]	-
<b>Rated heat output</b>	$P_{rated}$	[kW]	<b>6.106</b>
<b>Seasonal coefficient of performance</b>	$SCOP_{DHW}$	[-]	<b>2.113</b>

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[www.szutest.cz](http://www.szutest.cz)





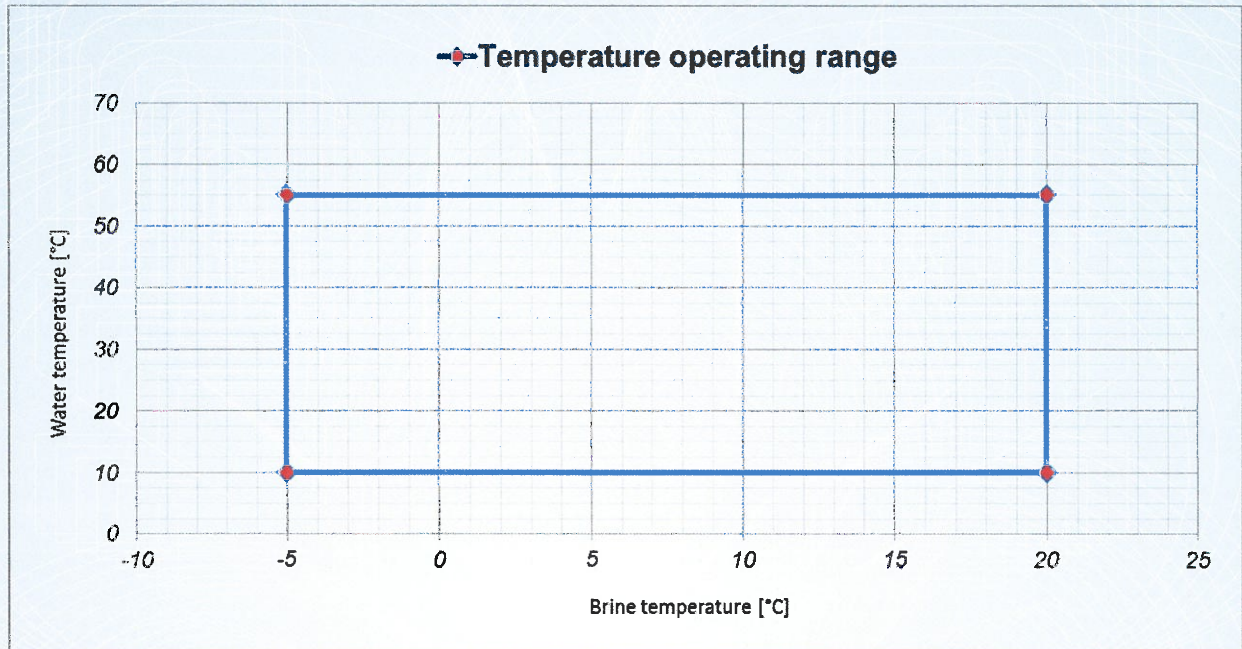
Temperature operating range\*:

Test 1

B-5/W10-55

Test 2

B20/W10-55



**Operating requirements and safety tests:**

ČSN EN 16147

Test result

Outside the operating range	clause 8.2	<b>passed</b>
Shutting off the heat transfer medium flows	clause 8.3.2 a)	<b>passed</b>
	clause 8.3.2 b)	<b>passed</b>
Complete power supply failure	clause 8.3.3	<b>passed</b>
Condensate draining	clause 8.4	<b>passed</b>

(\*) *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 -