



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

TEST CERTIFICATE

Number **O-39-01387-16**

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

Product Brine/water Heat Pump

Type designation / Trade mark **Maxima 20GT**
Maxima 28GT
Maxima 34GT
Maxima 42GT

Test methods ČSN EN 14511-2+4:2014, ČSN EN 14825:2016,
ČSN EN 12102:2014, EHPA Testing regulation – Testing of Brine/Water
Heat Pumps, version 2.1

Basis of certificate Test reports:
39-11016/T of 2016-12-08,
39-11016/H of 2016-12-01,
Technical documents of "Galmet Sp. z o.o." Sp. K.

Temperature application **LOW, HIGH**
Reference water temperature 35 °C and 55 °C

Reference heating season **„A“ = average / „W“ = warmer / „C“ = colder**
Reference design conditions for heating $T_{designh} = -10\text{ °C} / +2\text{ °C} / -22\text{ °C}$

Specification of conditions:

Compressor speed control	On/Off	Rated liquid flow rate (outdoor heat exchanger)	Variable
Outlet water temperature (indoor heat exchanger)	Variable	Rated liquid flow rate (indoor heat exchanger)	Variable
Function	Heating only		

Registered test centre



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Results:

Temperature condition*	Model names	Maxima 20GT (Not tested)	Maxima 28GT (Not tested)	Maxima 34GT (Not tested)	Maxima 42GT (Tested)
B0/W35	Corrected heat capacity [kW]	19.60	28.10	32.85	41.300
	Effective power input [kW]	4.27	6.02	7.47	9.117
	Coefficient of performance [-]	4.59	4.67	4.40	4.530
B0/W55	Corrected heat capacity [kW]	20.10	28.15	34.10	41.906
	Effective power input [kW]	6.66	9.35	11.96	13.605
	Coefficient of performance [-]	3.02	3.01	2.85	3.080

Sound power level at condition B0/W55*, accuracy class 2

L_{WA}	Indoor unit	[dB(A)]	58.5 ± 1.5	60.5 ± 1.5	62.0 ± 1.5	63.4 ± 1.5

(*) Comment to abbreviated marking: eg. B0/W55; „B“ brine, „0“ inlet source liquid temperature in °C. „W“ water, „55“ outlet water temperature in °C

(Tested) This test sample was tested at the Testing Laboratory.

(Not tested) The technical data were declared by the Manufacturer according to the model range specifications and were not tested by the Testing Laboratory.

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, 2016-12-08

Milan Holomek

Head of Heat and Environment-Friendly Equipment Test Station

- END OF TEST CERTIFICATE -

