



**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                            | <b>On/Off</b>       | Rated liquid flow rate<br>(outdoor heat exchanger) | <b>Variable</b> |
| Outlet water temperature<br>(indoor heat exchanger) | <b>Variable</b>     | Rated liquid flow rate<br>(indoor heat exchanger)  | <b>Variable</b> |
| Function                                            | <b>Heating only</b> |                                                    |                 |

Registered test centre



O-39-01387-16, page 1 (2)



**Results:**

| Temperature condition* | Model names                    | Maxima 20GT<br>(Not tested) | Maxima 28GT<br>(Not tested) | Maxima 34GT<br>(Not tested) | Maxima 42GT<br>(Tested) |
|------------------------|--------------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------|
| <b>B0/W35</b>          | 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                   |
| <b>B0/W55</b>          | 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**

| <b>L<sub>WA</sub></b> | 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 -

