

# AMICUS LAHP-15HT ERP DATA TABLE

according regulations 813/2013

| Model                                                       | LAHP-15HT          |       |          |
|-------------------------------------------------------------|--------------------|-------|----------|
| Air to water heat pump                                      | Yes                |       |          |
| Water to water heat pump                                    | No                 |       |          |
| Brine to water heat pump                                    | No                 |       |          |
| Low temperature heat pump                                   | No                 |       |          |
| Equipped with a supplementary heater                        | No                 |       |          |
| Heat pump combination heater                                | No                 |       |          |
| Parameters are declared for medium temperature applications | 55°C               |       |          |
| Parameters are declared for average climate conditions      |                    |       |          |
| Item                                                        | Symbol             | Value | Unit     |
| Rated heat output                                           | P rated            | 17    | [kW]     |
| T <sub>j</sub> = -7 [°C]                                    | P <sub>dh</sub>    | 15    | [kW]     |
| T <sub>j</sub> = 2 [°C]                                     | P <sub>dh</sub>    | 9.12  | [kW]     |
| T <sub>j</sub> = 7 [°C]                                     | P <sub>dh</sub>    | 5.93  | [kW]     |
| T <sub>j</sub> = 12 [°C]                                    | P <sub>dh</sub>    | 2.63  | [kW]     |
| T <sub>j</sub> = -20[°C] operational limit                  | P <sub>dh</sub>    | 11.72 | [kW]     |
| Annual energy consumption                                   | Q <sub>HE</sub>    | 126.3 | GJ       |
| Bivalent temperature                                        | T <sub>biv</sub>   | -7    | °C       |
| Power consumption in modes other than active                | P <sub>off</sub>   | 0.02  | [kW]     |
|                                                             | P <sub>to</sub>    | 0.02  | [kW]     |
|                                                             | P <sub>sb</sub>    | 0.02  | [kW]     |
|                                                             | P <sub>ck</sub>    | 0     | [kW]     |
| Capacity control                                            | Variable           |       |          |
| Sound power level outdoors                                  | L <sub>wa</sub>    | 67    | [dB(A)]  |
| Emissions of nitrogen oxides                                | NO <sub>x</sub>    | 0     | [mg/kWh] |
| Item                                                        | Symbol             | Value | Unit     |
| Seasonal space heating efficiency                           | η <sub>s</sub>     | 134   | [%]      |
| T <sub>j</sub> = -7 [°C]                                    | COP <sub>d</sub>   | 2.26  | [-]      |
| T <sub>j</sub> = 2 [°C]                                     | COP <sub>d</sub>   | 3.37  | [-]      |
| T <sub>j</sub> = 7 [°C]                                     | COP <sub>d</sub>   | 4.29  | [-]      |
| T <sub>j</sub> = 12 [°C]                                    | COP <sub>d</sub>   | 5.58  | [-]      |
| T <sub>j</sub> = -7 [°C]                                    | COP <sub>d</sub>   | 2.26  | [-]      |
| T <sub>j</sub> = -10 [°C]                                   | COP <sub>d</sub>   | 2.05  | [-]      |
| Operating limit temperature                                 | TOL                | -16   | [°C]     |
| Cycling interval efficiency                                 | COP <sub>cyc</sub> | 4.28  | [-]      |
| Heating water operational limit                             | WTOL               | 65    | [°C]     |
|                                                             |                    |       |          |
| Supplementary heater rated output                           | Monovalent         |       |          |
| Rated airflow outdoors                                      |                    | 7030  | [m³/h]   |

1. according commission delegated regulation (EU) No 813/2013

ErP data table\_LAHP-15HT\_february2016



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