

|                                                           |                 |              |             |  |
|-----------------------------------------------------------|-----------------|--------------|-------------|--|
| <b>Manufacturer: Templari S.p.A.</b>                      |                 |              |             |  |
| <b>Model: LP28</b>                                        |                 |              |             |  |
| <b>Refrigerant: R290</b>                                  |                 |              |             |  |
| Equipped with a supplementary heater: no                  |                 |              |             |  |
| Heat pump combination heater: no                          |                 |              |             |  |
| Application: medium temperature                           |                 |              |             |  |
| Climate: average                                          |                 |              |             |  |
| <b>Item</b>                                               | <b>Symbol</b>   | <b>Value</b> | <b>Unit</b> |  |
| <b>Rated heat output *</b>                                | Prated          | <b>22.80</b> | kW          |  |
| Declared capacity for part load at outdoor temperature Tj |                 |              |             |  |
| Tj= -7                                                    | Pdh             | <b>20.17</b> | kW          |  |
| Tj= +2                                                    | Pdh             | <b>12.28</b> | kW          |  |
| Tj= +7                                                    | Pdh             | <b>9.47</b>  | kW          |  |
| Tj= +12                                                   | Pdh             | <b>9.24</b>  | kW          |  |
| Tj= bivalent temperature                                  | Pdh             | <b>20.17</b> | kW          |  |
| Tj= operation limit                                       | Pdh             | <b>18.70</b> | kW          |  |
| Tj= -15 if TOL < -20 °C                                   | Pdh             | -            | kW          |  |
| Bivalent temperature                                      | Tbiv            | <b>-7</b>    | °C          |  |
| Power input "compressor off"                              |                 | -            | W           |  |
| Power consumption in modes other than active mode         |                 |              |             |  |
| Off mode                                                  | POFF            | <b>24.0</b>  | W           |  |
| Thermostat-off mode                                       | P <sub>TO</sub> | <b>30.7</b>  | W           |  |
| Standby mode                                              | PSB             | <b>24.0</b>  | W           |  |
| Crankcase heater mode                                     | PCK             | <b>35.0</b>  | W           |  |
| Other items                                               |                 |              |             |  |
| Capacity control                                          | Variable        |              |             |  |
| Sound power level, indoors/outdoors                       | LWA             | <b>61</b>    | dB          |  |
| Annual energy consumption                                 | Q <sub>HE</sub> | <b>11400</b> | kWh         |  |

|                                                                                              |                  |                   |             |
|----------------------------------------------------------------------------------------------|------------------|-------------------|-------------|
| <b>Item</b>                                                                                  | <b>Symbol</b>    | <b>Value</b>      | <b>Unit</b> |
| <b>Seasonal space heating energy efficiency</b>                                              | η <sub>s</sub>   | <b>162.3</b>      | %           |
| Declared coefficient of performance for part load at outdoor temperature Tj                  |                  |                   |             |
| Tj= -7                                                                                       | COP <sub>d</sub> | <b>2.36</b>       | -           |
| Tj= +2                                                                                       | COP <sub>d</sub> | <b>4.14</b>       | -           |
| Tj= +7                                                                                       | COP <sub>d</sub> | <b>5.55</b>       | -           |
| Tj= +12                                                                                      | COP <sub>d</sub> | <b>8.12</b>       | -           |
| Tj= bivalent temperature                                                                     | COP <sub>d</sub> | <b>2.36</b>       | -           |
| Tj= operation limit                                                                          | COP <sub>d</sub> | <b>2.09</b>       | -           |
| Tj= -15 if TOL < -20 °C                                                                      | COP <sub>d</sub> | -                 | -           |
| For air to water heat pumps: Tj = -15 °C (if TOL< -20 °C)                                    | TOL              | <b>-10</b>        | °C          |
| Heating water operating limit temperature                                                    | WTOL             | <b>65</b>         | °C          |
| Supplementary heater                                                                         |                  |                   |             |
| Rated heat output*                                                                           | P <sub>sup</sub> | -                 | W           |
| Type of energy input                                                                         | Electricity      |                   |             |
| For air to water heat pumps: Rated air flow rate, outdoors                                   | <b>15204</b>     | m <sup>3</sup> /h |             |
| For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | -                | l/h               |             |

|                                                                                                                                                                                                                           |  |  |  |  |
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| Contact details: Templari S.p.A. Via C. Battisti 169 35031 Abano Terme (PD) - Italy                                                                                                                                       |  |  |  |  |
| * For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh, and the rated heat output of a supplementary capacity for heating sup(Tj) |  |  |  |  |