

|                                     |                              |
|-------------------------------------|------------------------------|
| Models:                             | elite H 3-15 / elite HC 3-15 |
| Air-to-water heat pump:             | no                           |
| Water-to-water heat pump:           | no                           |
| Brine-to-water heat pump:           | yes                          |
| Application:                        | Medium temperature (55 °C)   |
| Equipped with supplementary heater: | no                           |
| Heat pump combination heater:       | yes                          |

| Parameter   | Symbol     | Value    | Unit | Parameter   | Symbol      | Value | Unit |
|---|------------|----------|------|---|-------------|-------|------|
| Rated heat output   | Prated     | 14       | kW   | Energy efficiency   | $\eta_s$    | 172   | %    |
| Declared heating capacity for part load at inner temperature of 20 °C and outdoor temperature $T_j$ |            |          |      | Declared COP for part load at inner temperature of 20 °C and outdoor temperature $T_j$                          |             |       |      |
| $T_j = -7$ °C   | Pdh        | 12.4     | kW   | $T_j = -7$ °C   | COPd        | 3.3   | -    |
| $T_j = +2$ °C   | Pdh        | 7.6      | kW   | $T_j = +2$ °C   | COPd        | 4.3   | -    |
| $T_j = +7$ °C   | Pdh        | 4.9      | kW   | $T_j = +7$ °C   | COPd        | 4.9   | -    |
| $T_j = +12$ °C  | Pdh        | 3        | kW   | $T_j = +12$ °C  | COPd        | 5.4   | -    |
| $T_j =$ bivalent temperature  | Pdh        | -        | kW   | $T_j =$ bivalent temperature  | COPd        | -     | -    |
| $T_j =$ limit temperature   | Pdh        | -        | kW   | $T_j =$ limit temperature   | COPd        | -     | -    |
| Air-to-water heat pumps:<br>$T_j = -15$ °C (if TOL < -20 °C)  | Pdh        |          | kW   | Air-to-water heat pumps:<br>$T_j = -15$ °C (if TOL < -20 °C)  | COPd        | -     | %    |
| Bivalent temperature  | $T_{biv}$  | -        | °C   | In air-to-water heat pumps:<br>limit temperature  | TOL         | -     | °C   |
| Cycling interval capacity for heating   | Pcyc       | -        | kW   | Cycling interval COP  | COPcyc      | -     | %    |
| Degradation coefficient   | Cdh        | 0.9      | -    | Heating water operating limit   | WTOL        | 65    | °C   |
| Power consumption in modes different than active mode   |            |          |      | Supplementary heater  |             |       |      |
| Off mode  | $P_{OFF}$  | 0.005    | kW   | Rated heat output   | $P_{TO}$    | -     | kW   |
| Off by thermostat   | $P_{TO}$   | 0.010    | kW   | Type of energy input  |             | -     |      |
| Standby mode  | $P_{SB}$   | 0.010    | kW   | Air-to-water heat pumps:<br>Nominal airflow   |             |       |      |
| Crankcase heater mode   | $P_{CK}$   | 0.000    | kW   | Water-to-water and brine-to-water heat pumps:<br>Nominal flow rates of water or brine in outdoor heat exchanger |             |       |      |
| Other parameters  |            |          |      | For heat pump combination heater:   |             |       |      |
| Capacity control  |            | variable |      | Water heating energy efficiency   | $\eta_{wh}$ | 106   | %    |
| Sound power level (indoor/outdoor)  | $L_{WA}$   | 42 / 0   | dB   | Daily fuel consumption  | $Q_{fuel}$  | -     | kWh  |
| Annual energy consumption:  | $Q_{HE}$   | 6928     | kWh  | Annual fuel consumption   | AFC         | -     | GJ   |
| Declared load profile   |            |          |      | XL  |             |       |      |
| Daily electricity consumption   | $Q_{elec}$ | 9.41     | kWh  |   |             |       |      |
| Annual energy consumption   | AEC        | 2156     | kWh  |   |             |       |      |