

|                                     |                                |
|-------------------------------------|--------------------------------|
| Models:                             | elite P H 1-8 / elite P HC 1-8 |
| Air-to-water heat pump:             | no                             |
| Water-to-water heat pump:           | no                             |
| Brine-to-water heat pump:           | yes                            |
| Application:                        | Medium temperature (35 °C)     |
| Equipped with supplementary heater: | no                             |
| Heat pump combination heater:       | no                             |

| Parameter                                                                                        | Symbol   | Value  | Unit |
|--------------------------------------------------------------------------------------------------|----------|--------|------|
| Rated heat output                                                                                | Prated   | 7      | kW   |
| Declared heating capacity for part load at inner temperature of 20 °C and outdoor temperature Tj |          |        |      |
| Tj = − 7 °C                                                                                      | Pdh      | 6.2    | kW   |
| Tj = + 2 °C                                                                                      | Pdh      | 3.8    | kW   |
| Tj = + 7 °C                                                                                      | Pdh      | 2.4    | kW   |
| Tj = + 12 °C                                                                                     | Pdh      | 1.1    | kW   |
| Tj = bivalent temperature                                                                        | Pdh      | 7.9    | kW   |
| Tj = limit temperature                                                                           | Pdh      | 6.9    | kW   |
| Air-to-water heat pumps:<br>Tj = − 15 °C (if TOL< − 20 °C)                                       | Pdh      |        | kW   |
| Bivalent temperature                                                                             | Tbiv     | -10    | °C   |
| Cycling interval capacity for heating                                                            | Pcych    | -      | kW   |
| Degradation coefficient                                                                          | Cdh      | 0.9    | -    |
| Power consumption in modes different than active mode                                            |          |        |      |
| Off mode                                                                                         | POFF     | 0.005  | kW   |
| Off by thermostat                                                                                | PTO      | 0.010  | kW   |
| Standby mode                                                                                     | PSB      | 0.010  | kW   |
| Crankcase heater mode                                                                            | PCK      | 0.000  | kW   |
| Other parameters                                                                                 |          |        |      |
| Capacity control                                                                                 | variable |        |      |
| Sound power level (indoor/outdoor)                                                               | LWA      | 42 / 0 | dB   |
| Annual energy consumption:                                                                       | QHE      | 2902   | kWh  |
| For heat pump combination heater:                                                                |          |        |      |
| Declared load profile                                                                            | XL       |        |      |
| Daily electricity consumption                                                                    | Qelec    | 9.25   | kWh  |
| Annual energy consumption                                                                        | AEC      | 2058   | kWh  |

| Parameter                                                                                                    | Symbol | Value | Unit |
|--------------------------------------------------------------------------------------------------------------|--------|-------|------|
| Energy efficiency                                                                                            | ηs     | 201   | %    |
| Declared COP for part load at inner temperature of 20 °C and outdoor temperature Tj                          |        |       |      |
| Tj = − 7 °C                                                                                                  | COPd   | 4.4   | -    |
| Tj = + 2 °C                                                                                                  | COPd   | 5.1   | -    |
| Tj = + 7 °C                                                                                                  | COPd   | 5.4   | -    |
| Tj = + 12 °C                                                                                                 | COPd   | 5.8   | -    |
| Tj = bivalent temperature                                                                                    | COPd   | -     | -    |
| Tj = limit temperature                                                                                       | COPd   | -     | -    |
| Air-to-water heat pumps:<br>Tj = − 15 °C (if TOL< − 20 °C)                                                   | COPd   | -     | %    |
| In air-to-water heat pumps:<br>limit temperature                                                             | TOL    | -     | °C   |
| Cycling interval COP                                                                                         | COPcyc | -     | %    |
| Heating water operating limit                                                                                | WTOL   | 65    | °C   |
| Supplementary heater                                                                                         |        |       |      |
| Rated heat output                                                                                            | PTo    | -     | kW   |
| Type of energy input                                                                                         | -      |       |      |
| Air-to-water heat pumps:<br>Nominal airflow                                                                  |        |       |      |
| Water-to-water and brine-to-water heat pumps: Nominal flow rates of water or brine in outdoor heat exchanger | -      | 2.2   | m³/h |
| For heat pump combination heater:                                                                            |        |       |      |
| Water heating energy efficiency                                                                              | ηwh    | 108   | %    |
| Daily fuel consumption                                                                                       | Qfuel  | -     | kWh  |
| Annual fuel consumption                                                                                      | AFC    | -     | GJ   |