

| Model(s): ETBH16EF6V7 / EPRA18DAV37 / EKHWSU150D3V3 | | | |
|---|-------------------------|-------------|-----------|
| 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: Yes | | | |
| Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application. | | | |
| Parameters shall be declared for average, colder and warmer climate conditions. | | | |
| Item | Symbol | Value | Unit |
| Rated heat output ⁽³⁾ | <i>Prated</i> | 13 | kW |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j | | | |
| $T_j = -7\text{ °C}$ | <i>Pdh</i> | 11.2 | kW |
| $T_j = +2\text{ °C}$ | <i>Pdh</i> | 6.9 | kW |
| $T_j = +7\text{ °C}$ | <i>Pdh</i> | 6.9 | kW |
| $T_j = +12\text{ °C}$ | <i>Pdh</i> | 6.2 | kW |
| T_j = bivalent temperature | <i>Pdh</i> | 12.2 | kW |
| T_j = operation limit temperature | <i>Pdh</i> | 12.2 | kW |
| For air-to-air heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$) | <i>Pdh</i> | 10.7 | kW |
| Bivalent temperature | T_{biv} | -10 | °C |
| Cycling interval capacity for heating | <i>Pcych</i> | | kW |
| Degradation co-efficient ⁽⁴⁾ | <i>Cdh</i> | | — |
| Power consumption in modes other than active mode | | | |
| Off mode | P_{OFF} | 0.021 | kW |
| Thermostat-off mode | P_{TO} | 0.041 | kW |
| Standby mode | P_{SB} | 0.021 | kW |
| Crankcase heater mode | P_{CK} | 0.000 | kW |
| Other items | | | |
| Capacity control | Variable | | |
| Sound power level, indoor/outdoor | L_{WA} | 44.0 / 54.0 | dB |
| Annual energy consumption | Q_{HE} | 7,211 26 | kWh or GJ |
| For heat pump combination heater: | | | |
| Declared load profile | L | | |
| Daily electricity consumption | Q_{elec} | 7.580 | kWh |
| Annual electricity consumption | <i>AEC</i> | 1,602 | kWh |
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| Item | Symbol | Value | Unit |
| Seasonal space heating energy efficiency | η_s | 140 | % |
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j | | | |
| $T_j = -7\text{ °C}$ | <i>COPd or PERd</i> | 2.47 98.8 | — or % |
| $T_j = +2\text{ °C}$ | <i>COPd or PERd</i> | 3.56 142.4 | — or % |
| $T_j = +7\text{ °C}$ | <i>COPd or PERd</i> | 4.44 177.6 | — or % |
| $T_j = +12\text{ °C}$ | <i>COPd or PERd</i> | 5.72 228.8 | — or % |
| T_j = bivalent temperature | <i>COPd or PERd</i> | 2.19 87.6 | — or % |
| T_j = operation limit temperature | <i>COPd or PERd</i> | 2.19 87.6 | — or % |
| For air-to-air heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$) | <i>COPd or PERd</i> | 2.62 104.8 | — or % |
| For air-to-water heat pumps: Operation limit temperature | <i>TOL</i> | -10 | °C |
| Cycling interval efficiency | <i>COPcyc or PERcyc</i> | | — or % |
| Heating water operating limit temperature | <i>WTOL</i> | 55 | °C |
| Equipped with a supplementary heater: | | | |
| Rated heat output ⁽⁴⁾ | <i>Psup</i> | 6.0 | kW |
| Type of energy input | | | |
| | | | |
| For air-to-water heat pumps: Rated air flow rate, outdoors | — | 3,960 | m³/h |
| For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | — | | m³/h |
| Water heating energy efficiency | η_{wh} | 64 | % |
| Daily fuel consumption | Q_{fuel} | | kWh |
| Annual fuel consumption | <i>AFC</i> | | GJ |

⁽³⁾) 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 heater 'Psup' is equal to the supplementary capacity for heating 'sup(Tj)'.

⁽⁴⁾) If 'Cdh' is not determined by measurement then the default degradation coefficient is 'Cdh' = 0,9.