## Technical parameters

| Model(s): | Outdoor unit: HOP8WODU / Indoor unit: HOP100WIDU3 |
|---|---|
| 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: | YES |
| Heat pump combination heater: | NO |
| Declared climate condition: | AVERAGE |

Parameters are declared for medium-temperature application.

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|---|---|---|---|---|---|---|---|
| Rated heat output (*) | $P_{rated}$ | 6.6 | kW | Seasonal space heating energy efficiency | $\eta_s$ | 131.5 | % |
| Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature $T_j$ | | | | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature $T_j$ | | | |
| $T_j = -7\ °C$ | $P_{dh}$ | 5.84 | kW | $T_j = -7\ °C$ | $COP_d$ | 2.16 | - |
| $T_j = +2\ °C$ | $P_{dh}$ | 3.75 | kW | $T_j = +2\ °C$ | $COP_d$ | 3.30 | - |
| $T_j = +7\ °C$ | $P_{dh}$ | 2.42 | kW | $T_j = +7\ °C$ | $COP_d$ | 4.34 | - |
| $T_j = +12\ °C$ | $P_{dh}$ | 1.39 | kW | $T_j = +12\ °C$ | $COP_d$ | 5.33 | - |
| $T_j$ = bivalent temperature | $P_{dh}$ | 5.84 | kW | $T_j$ = bivalent temperature | $COP_d$ | 2.16 | - |
| $T_j$ = operation limit temperature | $P_{dh}$ | 4.90 | kW | $T_j$ = operation limit temperature | $COP_d$ | 1.84 | - |
| For air-to-water heat pumps: $T_j = -15\ °C$ | $P_{dh}$ | 4.71 | kW | For air-to-water heat pumps: $T_j = -15\ °C$ | $COP_d$ | 1.90 | - |
| Bivalent temperature | $T_{biv}$ | -7 | °C | For air-to-water heat pumps: Operation limit temperature | TOL | -10 | °C |
| Cycling interval capacity for heating | $P_{cych}$ | - | kW | Cycling interval efficiency | $COP_{cyc}$ | - | - |
| Degradation co-efficient (**) | $C_{dh}$ | 0.9 | - | Heating water operating limit temperature | WTOL | 65 | °C |

| Power consumption in modes other than active mode | | | | Supplementary heater | | | |
|---|---|---|---|---|---|---|---|
| Off mode | $P_{OFF}$ | 0.014 | kW | Rated heat output (*) | $P_{sup}$ | 1.69 | kW |
| Thermostat-off mode | $P_{TO}$ | 0.014 | kW | | | | |
| Standby mode | $P_{SB}$ | 0.024 | kW | Type of energy input | | *Electrical* | |
| Crankcase heater mode | $P_{CK}$ | 0 | kW | | | | |

| Other items | | | | | | | |
|---|---|---|---|---|---|---|---|
| Capacity control | | *Variable* | | For air-to-water heat pumps: Rated air flow rate, outdoors | - | 4030 | m³/h |
| Sound power level, indoors/ outdoors | $L_{WA}$ | 42/59 | dB | For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m³/h |
| Annual energy consumption | $Q_{HE}$ | 4056 | kWh | | | | |

| For heat pump combination heater: | | | | | | | |
|---|---|---|---|---|---|---|---|
| Declared load profile | | - | | Water heating energy efficiency | $\eta_{wh}$ | - | % |
| Daily electricity consumption | $Q_{elec}$ | - | kWh | Daily fuel consumption | $Q_{fuel}$ | - | kWh |
| Annual electricity consumption | AEC | - | kWh | Annual fuel consumption | AFC | - | GJ |

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(*) 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($T_j$).

(**) If $C_{dh}$ is not determined by measurement then the default degradation coefficient is $C_{dh}$ = 0,9.