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|-------------------------------------|--------------------------------|
| Models: | strong H 7-50 / strong HC 7-50 |
| Air-to-water heat pump: | no |
| Water-to-water heat pump: | no |
| Brine-to-water heat pump: | yes |
| Application: | Low temperature (35 °C) |
| Equipped with supplementary heater: | no |
| Heat pump combination heater: | no |

| Parameter | Symbol | Value | Unit | Parameter | Symbol | Value | Unit |
|---|------------|--------|------|---|-------------|-------|------|
| Rated heat output | Prated | 50 | kW | Energy efficiency | η_s | 198 | % |
| 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 | 44.2 | kW | $T_j = -7$ °C | COPd | 4.3 | - |
| $T_j = +2$ °C | Pdh | 26.9 | kW | $T_j = +2$ °C | COPd | 4.9 | - |
| $T_j = +7$ °C | Pdh | 17.3 | kW | $T_j = +7$ °C | COPd | 5.2 | - |
| $T_j = +12$ °C | Pdh | 7.7 | kW | $T_j = +12$ °C | COPd | 5.6 | - |
| $T_j =$ 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: $T_j = -15$ °C (if $TOL < -20$ °C) | Pdh | | kW | Air-to-water heat pumps: $T_j = -15$ °C (if $TOL < -20$ °C) | COPd | - | % |
| Bivalent temperature | T_{biv} | - | °C | In air-to-water heat pumps: 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: Nominal airflow | | | |
| Crankcase heater mode | P_{CK} | 0.000 | kW | Water-to-water and brine-to-water heat pumps: 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 | η_{wh} | - | % |
| Sound power level (indoor/outdoor) | L_{WA} | 55 / 0 | dB | Daily fuel consumption | Q_{fuel} | - | kWh |
| Annual energy consumption: | Q_{HE} | 21051 | kWh | Annual fuel consumption | AFC | - | GJ |
| For heat pump combination heater: | | | | Declared load profile | | | |
| Declared load profile | | | | - | | | |
| Daily electricity consumption | Q_{elec} | - | kWh | Daily electricity consumption | | | |
| Annual energy consumption | AEC | - | kWh | Annual energy consumption | | | |