

| Technical parameters | | | | | | | | | | | |
|--|---|--|------|--|-------------|-------|-------------------|--|-------------|-------|-------------------|
| Model(s): | | Outdoor unit: HLT212MONO1S / Indoor unit: HLT293S/200B50 | | | | | | | | | |
| 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: | | YES | | | | | | | | | |
| Declared climate condition: | | AVERAGE | | | | | | | | | |
| Parameters are declared for medium temperature application. | | | | | | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated heat output (*) | P_{rated} | 9.60 | kW | Seasonal space heating energy efficiency | η_s | 162 | % | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T_j | | | |
| 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 | | | | | | | |
| $T_j = -7\text{ °C}$ | P_{dh} | 7.98 | kW | $T_j = -7\text{ °C}$ | COP_d | 2.65 | - | $T_j = -7\text{ °C}$ | COP_d | 2.65 | - |
| $T_j = +2\text{ °C}$ | P_{dh} | 4.91 | kW | $T_j = +2\text{ °C}$ | COP_d | 3.96 | - | $T_j = +2\text{ °C}$ | COP_d | 3.96 | - |
| $T_j = +7\text{ °C}$ | P_{dh} | 3.72 | kW | $T_j = +7\text{ °C}$ | COP_d | 5.37 | - | $T_j = +7\text{ °C}$ | COP_d | 5.37 | - |
| $T_j = +12\text{ °C}$ | P_{dh} | 4.40 | kW | $T_j = +12\text{ °C}$ | COP_d | 7.38 | - | $T_j = +12\text{ °C}$ | COP_d | 7.38 | - |
| $T_j = \text{bivalent temperature}$ | P_{dh} | 9.60 | kW | $T_j = \text{bivalent temperature}$ | COP_d | 2.3 | - | $T_j = \text{bivalent temperature}$ | COP_d | 2.3 | - |
| $T_j = \text{operation limit temperature}$ | P_{dh} | 9.60 | kW | $T_j = \text{operation limit temperature}$ | COP_d | 2.3 | - | $T_j = \text{operation limit temperature}$ | COP_d | 2.3 | - |
| For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$) | P_{dh} | 8.33 | kW | For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$) | COP_d | 2.18 | - | For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$) | COP_d | 2.18 | - |
| Bivalent temperature | T_{biv} | -10 | °C | For air-to-water heat pumps: Operation limit temperature | TOL | -10 | °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} | | - | Cycling interval efficiency | COP_{cyc} | | - |
| Degradation co-efficient (**) | C_{dh} | 0.98 | - | Heating water operating limit temperature | WTOL | 60 | °C | Heating water operating limit temperature | WTOL | 60 | °C |
| Power consumption in modes other than active mode | | | | Supplementary heater | | | | | | | |
| Off mode | P_{OFF} | 0.019 | kW | Rated heat output (*) | P_{sup} | 0 | kW | Rated heat output (*) | P_{sup} | 0 | kW |
| Thermostat-off mode | P_{TO} | 0.030 | kW | Type of energy input | Electrical | | | | | | |
| Standby mode | P_{SB} | 0.019 | kW | | | | | | | | |
| Crankcase heater mode | P_{CK} | 0.000 | kW | | | | | | | | |
| Other items | | | | | | | | | | | |
| Capacity control | Variable | | | For air-to-water heat pumps: Rated air flow rate, outdoors | - | 3300 | m ³ /h | For air-to-water heat pumps: Rated air flow rate, outdoors | - | 3300 | m ³ /h |
| Sound power level, indoors/ outdoors | L_{WA} | 31/50 | dB | For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m ³ /h | For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m ³ /h |
| Annual energy consumption | Q_{HE} | 4812 | kWh | | | | | | | | |
| For heat pump combination heater: | | | | | | | | | | | |
| Declared load profile | L | | | Water heating energy efficiency | η_{wh} | 118 | % | Water heating energy efficiency | η_{wh} | 118 | % |
| Daily electricity consumption | Q_{elec} | 4.077 | kWh | Daily fuel consumption | Q_{fuel} | - | kWh | Daily fuel consumption | Q_{fuel} | - | kWh |
| Annual electricity consumption | AEC | 846 | kWh | Annual fuel consumption | AFC | - | GJ | Annual fuel consumption | AFC | - | GJ |
| Contact details | NØRDIS EUROPE SP. Z O.O. Opolska 38 55-011 Siechnice, Poland | | | | | | | | | | |
| (*) For heat pump space heaters and heat pump combination heaters, the rated heat output P_{rated} is equal to the design load for heating $P_{designh}$, and the rated heat output of a supplementary heater P_{sup} 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 $C_{dh} = 0,9$. | | | | | | | | | | | |