



| Technical parameters | | | | | | | | | | | | | | |
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| Model(s): | | | | Outdoor unit: HOP10WODU / Indoor unit: HOP100/190IDU | | | | | | | | | | |
| 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 | |
| Rated heat output (*) | | | | P _{rated} | 7.7 | kW | Seasonal space heating energy efficiency | | | | η _s | 136.6 | % | |
| 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} | 6.78 | kW | T _j = − 7 °C | | | | COP _d | 2.24 | - | |
| T _j = + 2 °C | | | | P _{dh} | 4.28 | kW | T _j = + 2 °C | | | | COP _d | 3.42 | - | |
| T _j = + 7 °C | | | | P _{dh} | 2.77 | kW | T _j = + 7 °C | | | | COP _d | 4.52 | - | |
| T _j = + 12 °C | | | | P _{dh} | 1.58 | kW | T _j = + 12 °C | | | | COP _d | 5.68 | - | |
| T _j = bivalent temperature | | | | P _{dh} | 6.78 | kW | T _j = bivalent temperature | | | | COP _d | 2.24 | - | |
| T _j = operation limit temperature | | | | P _{dh} | 5.38 | kW | T _j = operation limit temperature | | | | COP _d | 1.83 | - | |
| For air-to-water heat pumps: T _j = − 15 °C | | | | P _{dh} | 5.47 | kW | For air-to-water heat pumps: T _j = − 15 °C | | | | COP _d | 2.00 | - | |
| 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} | 2.28 | kW | |
| Thermostat-off mode | | | | P _{TO} | 0.014 | kW | Type of energy input | | | | | | Electrical | |
| Standby mode | | | | P _{SB} | 0.024 | kW | | | | | | | | |
| Crankcase heater mode | | | | P _{CK} | 0 | kW | | | | | | | | |
| Other items | | | | | | | | | | | | | | |
| Capacity control | | | | Variable | | | For air-to-water heat pumps: Rated air flow rate, outdoors | | | | - | 4030 | m ³ /h | |
| Sound power level, indoors/ outdoors | | | | L _{WA} | 40/60 | dB | For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | | | | - | - | m ³ /h | |
| Annual energy consumption | | | | Q _{HE} | 4539 | kWh | | | | | | | | |
| For heat pump combination heater: | | | | | | | | | | | | | | |
| Declared load profile | | | | L | | | Water heating energy efficiency | | | | η _{wh} | 125 | % | |
| Daily electricity consumption | | | | Q _{elec} | - | kWh | Daily fuel consumption | | | | Q _{fuel} | - | kWh | |
| Annual electricity consumption | | | | AEC | 820 | kWh | Annual fuel consumption | | | | AFC | - | GJ | |
| Contact details | | | | JSC "BALTIC REFRIGERATION GROUP" S. Zukausko 11, Ramuciai, LT-54464 Kaunas distr., Lithuania | | | | | | | | | | |
| (*) 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). | | | | | | | | | | | | | | |
| (**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9. | | | | | | | | | | | | | | |