



Technical parameters													
Model(s):				Outdoor unit: HOP30WMONO3									
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:				NO									
Declared climate condition:				AVERAGE									
Parameters are declared for medium-temperature application.													
Item				Symbol	Value	Unit	Item				Symbol	Value	Unit
Rated heat output (*)				P <sub>rated</sub>	29.7	kW	Seasonal space heating energy efficiency				η <sub>s</sub>	123	%
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T <sub>j</sub>						Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T <sub>j</sub>							
T <sub>j</sub> = − 7 °C				P <sub>dh</sub>	20.1	kW	T <sub>j</sub> = − 7 °C				COP <sub>d</sub>	1.63	-
T <sub>j</sub> = + 2 °C				P <sub>dh</sub>	16.5	kW	T <sub>j</sub> = + 2 °C				COP <sub>d</sub>	3.09	-
T <sub>j</sub> = + 7 °C				P <sub>dh</sub>	10.5	kW	T <sub>j</sub> = + 7 °C				COP <sub>d</sub>	4.73	-
T <sub>j</sub> = + 12 °C				P <sub>dh</sub>	4.7	kW	T <sub>j</sub> = + 12 °C				COP <sub>d</sub>	5.85	-
T <sub>j</sub> = bivalent temperature				P <sub>dh</sub>	24.0	kW	T <sub>j</sub> = bivalent temperature				COP <sub>d</sub>	2.02	-
T <sub>j</sub> = operation limit temperature				P <sub>dh</sub>	13.8	kW	T <sub>j</sub> = operation limit temperature				COP <sub>d</sub>	1.07	-
For air-to-water heat pumps: T <sub>j</sub> = − 15 °C				P <sub>dh</sub>	13.06	kW	For air-to-water heat pumps: T <sub>j</sub> = − 15 °C				COP <sub>d</sub>	1.18	-
Bivalent temperature				T <sub>biv</sub>	-5	°C	For air-to-water heat pumps: Operation limit temperature				TOL	-10	°C
Cycling interval capacity for heating				P <sub>cych</sub>	-	kW	Cycling interval efficiency				COP <sub>cyc</sub>	-	-
Degradation co-efficient (**)				C <sub>dh</sub>	0.9	-	Heating water operating limit temperature				WTOL	60	°C
Power consumption in modes other than active mode						Supplementary heater							
Off mode				P <sub>OFF</sub>	0.018	kW	Rated heat output (*)				P <sub>sup</sub>	-	kW
Thermostat-off mode				P <sub>TO</sub>	0.018	kW	Type of energy input				Electrical		
Standby mode				P <sub>SB</sub>	0.096	kW							
Crankcase heater mode				P <sub>CK</sub>	0	kW							
Other items													
Capacity control				Variable			For air-to-water heat pumps: Rated air flow rate, outdoors				-	11200	m³/h
Sound power level, indoors/ outdoors				L <sub>WA</sub>	-/77	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger				-	-	m³/h
Annual energy consumption				Q <sub>HE</sub>	19316	kWh							
For heat pump combination heater:													
Declared load profile				-			Water heating energy efficiency				η <sub>wh</sub>	-	%
Daily electricity consumption				Q <sub>elec</sub>	-	kWh	Daily fuel consumption				Q <sub>fuel</sub>	-	kWh
Annual electricity consumption				AEC	-	kWh	Annual fuel consumption				AFC	-	GJ
Contact details				JSC "BALTIC REFRIGERATION GROUP"									
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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(Tj).													
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.													