

Technical parameters									
Model(s):		Outdoor unit: HLT212MONO3S / 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
Rated heat output (*)		P_{rated}	9.72	kW	Seasonal space heating energy efficiency		η_s	163	%
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}	8.14	kW	$T_j = -7\text{ °C}$		COP_d	2.62	-
$T_j = +2\text{ °C}$		P_{dh}	4.94	kW	$T_j = +2\text{ °C}$		COP_d	4.03	-
$T_j = +7\text{ °C}$		P_{dh}	3.52	kW	$T_j = +7\text{ °C}$		COP_d	5.28	-
$T_j = +12\text{ °C}$		P_{dh}	4.34	kW	$T_j = +12\text{ °C}$		COP_d	7.39	-
$T_j = \text{bivalent temperature}$		P_{dh}	9.72	kW	$T_j = \text{bivalent temperature}$		COP_d	2.36	-
$T_j = \text{operation limit temperature}$		P_{dh}	9.72	kW	$T_j = \text{operation limit temperature}$		COP_d	2.36	-
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)		P_{dh}	8.26	kW	For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)		COP_d	2.04	-
Bivalent temperature		T_{biv}	-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}		-
Degradation co-efficient (**)		C_{dh}	0.98	-	Heating water operating limit temperature		WTOL	60	°C
Power consumption in modes other than active mode					Supplementary heater				
Off mode		P_{OFF}	0.032	kW	Rated heat output (*)		P_{sup}	0	kW
Thermostat-off mode		P_{TO}	0.032	kW	Type of energy input		Electrical		
Standby mode		P_{SB}	0.032	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
Sound power level, indoors/ outdoors		L_{WA}	35/50	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}	4852	kWh					
For heat pump combination heater:									
Declared load profile		L			Water heating energy efficiency		η_{wh}	119	%
Daily electricity consumption		Q_{elec}	4.049	kWh	Daily fuel consumption		Q_{fuel}	-	kWh
Annual electricity consumption		AEC	840	kWh	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 $C_{dh} = 0,9$.									