

Technical parameters									
Model(s):		Outdoor unit: HLT220MONO3S / Indoor unit: HLT293S							
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:		NO							
Declared climate condition:		AVERAGE							
Parameters are declared for medium temperature application.									
Item		Symbol	Value	Unit	Item		Symbol	Value	Unit
Rated heat output (*)		P_{rated}	14.43	kW	Seasonal space heating energy efficiency		η_s	161	%
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}	14.58	kW	$T_j = -7\text{ °C}$		COP_d	2.4	-
$T_j = +2\text{ °C}$		P_{dh}	8.56	kW	$T_j = +2\text{ °C}$		COP_d	4.05	-
$T_j = +7\text{ °C}$		P_{dh}	5.86	kW	$T_j = +7\text{ °C}$		COP_d	5.46	-
$T_j = +12\text{ °C}$		P_{dh}	6.69	kW	$T_j = +12\text{ °C}$		COP_d	7.23	-
$T_j = \text{bivalent temperature}$		P_{dh}	14.43	kW	$T_j = \text{bivalent temperature}$		COP_d	2.08	-
$T_j = \text{operation limit temperature}$		P_{dh}	14.43	kW	$T_j = \text{operation limit temperature}$		COP_d	2.08	-
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)		P_{dh}	10.78	kW	For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)		COP_d	1.75	-
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	50	°C
Power consumption in modes other than active mode					Supplementary heater				
Off mode		P_{OFF}	0.020	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}	0.020	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		-	6300	m ³ /h
Sound power level, indoors/ outdoors		L_{WA}	31/59	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}	7270	kWh					
For heat pump combination heater:									
Declared load profile		-			Water heating energy efficiency		η_{wh}	-	%
Daily electricity consumption		Q_{elec}	-	kWh	Daily fuel consumption		Q_{fuel}	-	kWh
Annual electricity consumption		AEC	-	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 $C_{dh} = 0,9$.									