

Technical parameters											
Model(s):		Outdoor unit: HLT216MONO3S / Indoor unit: HLT293S/250									
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}	12.41	kW	Seasonal space heating energy efficiency	η_s	158	%	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}	10.64	kW	$T_j = -7\text{ °C}$	COP_d	2.54	-	$T_j = -7\text{ °C}$	COP_d	2.54	-
$T_j = +2\text{ °C}$	P_{dh}	6.78	kW	$T_j = +2\text{ °C}$	COP_d	3.87	-	$T_j = +2\text{ °C}$	COP_d	3.87	-
$T_j = +7\text{ °C}$	P_{dh}	5.19	kW	$T_j = +7\text{ °C}$	COP_d	5.39	-	$T_j = +7\text{ °C}$	COP_d	5.39	-
$T_j = +12\text{ °C}$	P_{dh}	6.10	kW	$T_j = +12\text{ °C}$	COP_d	7.34	-	$T_j = +12\text{ °C}$	COP_d	7.34	-
$T_j = \text{bivalent temperature}$	P_{dh}	12.41	kW	$T_j = \text{bivalent temperature}$	COP_d	2.13	-	$T_j = \text{bivalent temperature}$	COP_d	2.13	-
$T_j = \text{operation limit temperature}$	P_{dh}	12.41	kW	$T_j = \text{operation limit temperature}$	COP_d	2.13	-	$T_j = \text{operation limit temperature}$	COP_d	2.13	-
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	P_{dh}	10.60	kW	For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	COP_d	1.82	-	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Bivalent temperature	T_{biv}	-10	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C	Cycling interval efficiency	COP_{cyc}		-
Cycling interval capacity for heating	P_{cych}	-	kW	Cycling interval efficiency	COP_{cyc}		-	Heating water operating limit temperature	WTOL	60	°C
Degradation co-efficient (**)	C_{dh}	0.98	-	Heating water operating limit temperature	WTOL	60	°C	Power consumption in modes other than active mode			
Power consumption in modes other than active mode				Supplementary heater							
Off mode	P_{OFF}	0.020	kW	Rated heat output (*)		P_{sup}	0	kW	Type of energy input		
Thermostat-off mode	P_{TO}	0.043	kW	Type of energy input		Electrical					
Standby mode	P_{SB}	0.020	kW	Other items							
Crankcase heater mode	P_{CK}	0.000	kW	Capacity control							
Other items				Variable		For air-to-water heat pumps: Rated air flow rate, outdoors		-	6300	m ³ /h	
Capacity control				Variable		For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	-	m ³ /h	
Sound power level, indoors/ outdoors	L_{WA}	35/55	dB	Annual energy consumption		Q_{HE}	6360	kWh	For heat pump combination heater:		
Annual energy consumption	Q_{HE}	6360	kWh	Declared load profile							
For heat pump combination heater:				XL		Water heating energy efficiency		η_{wh}	132	%	
Declared load profile	XL			Daily electricity consumption		Q_{elec}	5.763	kWh	Daily fuel consumption		
Daily electricity consumption	Q_{elec}	5.763	kWh	Annual electricity consumption		AEC	1268	kWh	Annual fuel consumption		
Annual electricity consumption	AEC	1268	kWh	Annual fuel consumption		AFC	-	GJ	Contact details		
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 $C_{dh} = 0,9$.											