Models	Indoor unit:	HSB140	
	Outdoor unit:	FDCW140VNX-A	
	Tank:	-	

Heat pump type:	Air-to-water heat pump	Equipped with a supplimentary heater:	【yes】/no]	
Low-temperature heat pump:	[yes/【no】]	Heat pump combination heater:	[yes/【no】]	

Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application

Declared climate condition: Average

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output(*)	P_{rated}	13.0	kW	**Seasonal space heating energy efficiency**	η_s	133	%
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	P_{dh}	11.5	kW	Tj = -7°C	COP_d	2.06	-
Tj = +2°C	P_{dh}	7.0	kW	Tj = +2°C	COP_d	3.24	-
Tj = +7°C	P_{dh}	4.8	kW	Tj = +7°C	COP_d	4.76	-
Tj = +12°C	P_{dh}	5.2	kW	Tj = +12°C	COP_d	5.55	-
Tj = bivalent temperature	P_{dh}	11.5	kW	Tj = bivalent temperature	COP_d	2.06	-
Tj = operation limit temperature	P_{dh}	11.0	kW	Tj = operation limit temperature	COP_d	1.98	-
For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	P_{dh}	-	kW	For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	COP_d	-	-
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}	0.98	-	Heating water operating limit temperature	WTOL	58	°C

Power consumption in modes other than active mode				Supplimentary heater			
Off mode	P_{OFF}	0.002	kW	Rated heat output(*)	P_{sup}	2.0	kW
Thermostat-off mode	P_{TO}	0.016	kW				
Standby mode	P_{SB}	0.015	kW	Type of energy input		Electricity	
Crankcase heater mode	P_{CK}	0.035	kW				

Other items							
Capacity control		variable		Sound power level, outdoors	L_{WA}	58	dB
Sound power level, indoors	L_{WA}	33	dB	For air-to-water heat pumps: Rated air flow rate, outdoors		6000	m³/h

For heat pump combination heater							
Declared load profile				Daily electricity consumption	Q_{elec}		kWh
Water heating energy efficiency	η_{wh}		%	Annual electricity consumption *AEC*			kWh

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(*) 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(Tj)*.

(**) If Cdh is not determined by measurement then the default degradation coefficient is *Cdh = 0,9*.

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