Models	Indoor unit:	HMA100-S
	Outdoor unit:	FDCW71VNX-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
Rated heat output(*)	*Prated*	7.0	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	*Pdh*	6.2	kW
Tj = +2°C	*Pdh*	3.8	kW
Tj = +7°C	*Pdh*	2.4	kW
Tj = +12°C	*Pdh*	2.3	kW
Tj = bivalent temperature	*Pdh*	6.2	kW
Tj = operation limit temperature	*Pdh*	5.3	kW
For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	*Pdh*	-	kW
Bivalent temperature	T_{biv}	-7	°C
Cycling interval capacity for heating	*Pcych*	-	kW
Degradation co-efficient(**)	*Cdh*	0.90	-
Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.002	kW
Thermostat-off mode	P_{TO}	0.010	kW
Standby mode	P_{SB}	0.015	kW
Crankcase heater mode	P_{CK}	0.030	kW
Other items			
Capacity control		variable	
Sound power level, indoors	L_{WA}	33	dB

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	119	%
Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	*COPd*	1.93	-
Tj = +2°C	*COPd*	3.00	-
Tj = +7°C	*COPd*	3.90	-
Tj = +12°C	*COPd*	5.23	-
Tj = bivalent temperature	*COPd*	1.93	-
Tj = operation limit temperature	*COPd*	1.69	-
For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	*COPd*	-	-
For air-to-water heat pumps: Operation limit temperature	*TOL*	-10	°C
Cycling interval efficiency	*COPcyc*	-	-
Heating water operating limit temperature	*WTOL*	58	°C
Supplimentary heater			
Rated heat output(*)	*Psup*	1.7	kW
Type of energy input		Electricity	
Other items			
Sound power level, outdoors	L_{WA}	55	dB
For air-to-water heat pumps: Rated air flow rate, outdoors		3000	m^3/h

For heat pump combination heater

Declared load profile	XL		
Water heating energy efficiency	η_{wh}	99	%
Daily electricity consumption	Q_{elec}	7.677	kWh
Annual electricity consumption	*AEC*	1689	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*.