Models	Indoor unit:	HMA100-S
	Outdoor unit:	FDCW100VNX-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(*)	*Prated*	10.0	kW	**Seasonal space heating energy efficiency**	η_s	126	%
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	*Pdh*	8.8	kW	Tj = -7°C	*COPd*	1.96	-
Tj = +2°C	*Pdh*	5.4	kW	Tj = +2°C	*COPd*	3.22	-
Tj = +7°C	*Pdh*	3.5	kW	Tj = +7°C	*COPd*	4.47	-
Tj = +12°C	*Pdh*	3.8	kW	Tj = +12°C	*COPd*	5.45	-
Tj = bivalent temperature	*Pdh*	7.7	kW	Tj = bivalent temperature	*COPd*	2.31	-
Tj = operation limit temperature	*Pdh*	6.7	kW	Tj = operation limit temperature	*COPd*	1.94	-
For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	*Pdh*	-	kW	For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	*COPd*	-	-
Bivalent temperature	T_{biv}	-4	°C	For air-to-water heat pumps: Operation limit temperature	*TOL*	-10	°C
Cycling interval capacity for heating	*Pcych*	-	kW	Cycling interval efficiency	*COPcyc*	-	-
Degradation co-efficient(**)	*Cdh*	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(*)	*Psup*	3.3	kW
Thermostat-off mode	P_{TO}	0.014	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		4380	m^3/h
For heat pump combination heater							
Declared load profile	XL			Daily electricity consumption	Q_{elec}	7.736	kWh
Water heating energy efficiency	η_{wh}	98	%	Annual electricity consumption	*AEC*	1702	kWh

Contact details	MHIAE SERVICES B.V.(Wholly-owned subsidiary of MITSUBISHI HEAVY INDUSTRIES AIR-CONDITIONING EUROPE, LTD.) Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands . P.O.Box 23393 1100 DW Amsterdam, Netherlands

(*) 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*.