

Models	Indoor unit: HSB100	Outdoor unit: FDCW100VNX-A	Tank: -
Heat pump type:	Air-to-water heat pump	Equipped with a supplementary 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
<b>Rated heat output(*)</b>	<i>Prated</i>	10.0	kW	<b>Seasonal space heating energy efficiency</b>	$\eta_s$	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	<i>Pdh</i>	8.8	kW	Tj = -7°C	<i>COPd</i>	1.96	-
Tj = +2°C	<i>Pdh</i>	5.4	kW	Tj = +2°C	<i>COPd</i>	3.22	-
Tj = +7°C	<i>Pdh</i>	3.5	kW	Tj = +7°C	<i>COPd</i>	4.47	-
Tj = +12°C	<i>Pdh</i>	3.8	kW	Tj = +12°C	<i>COPd</i>	5.45	-
Tj = bivalent temperature	<i>Pdh</i>	7.7	kW	Tj = bivalent temperature	<i>COPd</i>	2.31	-
Tj = operation limit temperature	<i>Pdh</i>	6.7	kW	Tj = operation limit temperature	<i>COPd</i>	1.94	-
For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	<i>Pdh</i>	-	kW	For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C)	<i>COPd</i>	-	-
Bivalent temperature	<i>T<sub>biv</sub></i>	-4	°C	For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	-10	°C
Cycling interval capacity for heating	<i>P<sub>cy</sub></i>	-	kW	Cycling interval efficiency	<i>COP<sub>cy</sub></i>	-	-
Degradation co-efficient(**)	<i>Cdh</i>	0.98	-	Heating water operating limit temperature	<i>WTOL</i>	58	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	<i>P<sub>OFF</sub></i>	0.002	kW	Rated heat output(*)	<i>P<sub>sup</sub></i>	3.3	kW
Thermostat-off mode	<i>P<sub>TO</sub></i>	0.014	kW	Type of energy input	Electricity		
Standby mode	<i>P<sub>SB</sub></i>	0.015	kW	Sound power level, outdoors <i>L<sub>WA</sub></i>			
Crankcase heater mode	<i>P<sub>CK</sub></i>	0.035	kW	For air-to-water heat pumps: Rated air flow rate, outdoors			
Other items				Sound power level, indoors <i>L<sub>WA</sub></i>			
Capacity control	variable			Daily electricity consumption <i>Q<sub>elec</sub></i>			
Sound power level, indoors	<i>L<sub>WA</sub></i>	33	dB	Annual electricity consumption <i>AEC</i>			
For heat pump combination heater				Declared load profile			
Water heating energy efficiency				η <sub>wh</sub>			
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 <i>P<sub>rated</sub></i> is equal to the design load for heating <i>P<sub>designh</sub></i> , and the rated heat output of a supplementary heater <i>P<sub>sup</sub></i> is equal to the supplementary capacity for heating <i>sup(Tj)</i> .							
(**) If <i>Cdh</i> is not determined by measurement then the default degradation coefficient is <i>Cdh</i> = 0,9.							