

Models	Indoor unit: HSB100	Outdoor unit: FDCW71VNX-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
Rated heat output(*)	<i>Prated</i>	7.0	kW	Seasonal space heating energy efficiency	η_s	119	%
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>	6.2	kW	Tj = -7°C	<i>COPd</i>	1.93	-
Tj = +2°C	<i>Pdh</i>	3.8	kW	Tj = +2°C	<i>COPd</i>	3.00	-
Tj = +7°C	<i>Pdh</i>	2.4	kW	Tj = +7°C	<i>COPd</i>	3.90	-
Tj = +12°C	<i>Pdh</i>	2.3	kW	Tj = +12°C	<i>COPd</i>	5.23	-
Tj = bivalent temperature	<i>Pdh</i>	6.2	kW	Tj = bivalent temperature	<i>COPd</i>	1.93	-
Tj = operation limit temperature	<i>Pdh</i>	5.3	kW	Tj = operation limit temperature	<i>COPd</i>	1.69	-
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_{biv}</i>	-7	°C	For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	-10	°C
Cycling interval capacity for heating	<i>P_{cy}</i>	-	kW	Cycling interval efficiency	<i>COP_{cy}</i>	-	-
Degradation co-efficient(**)	<i>Cdh</i>	0.90	-	Heating water operating limit temperature	<i>WTOL</i>	58	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	<i>P_{OFF}</i>	0.002	kW	Rated heat output(*)	<i>P_{sup}</i>	1.7	kW
Thermostat-off mode	<i>P_{TO}</i>	0.010	kW	Type of energy input	Electricity		
Standby mode	<i>P_{SB}</i>	0.015	kW				
Crankcase heater mode	<i>P_{CK}</i>	0.030	kW				
Other items							
Capacity control	variable						
Sound power level, indoors	<i>L_{WA}</i>	33	dB	Sound power level, outdoors	<i>L_{WA}</i>	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				Daily electricity consumption	<i>Q_{elec}</i>		kWh
Water heating energy efficiency	<i>η_{wh}</i>		%	Annual electricity consumption	<i>AEC</i>		kWh
Contact details	MHI/AE 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_{rated}</i> is equal to the design load for heating <i>P_{designh}</i> , and the rated heat output of a supplementary heater <i>P_{sup}</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.							