

Model(s): RHBH16CB9W / RRLQ014CAW1			
Air-to-water heat pump: Yes			
Water-to-water heat pump: no			
Brine-to-water heat pump: no			
Low-temperature heat pump: no			
Equipped with a supplementary heater: Yes			
Heat pump combination heater: 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.			
Parameters shall be declared for average, colder and warmer climate conditions.			
Item	Symbol	Value	Unit
Rated heat output ⁽³⁾	<i>Prated</i>	13	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7$ °C	<i>Pdh</i>	11.3	kW
$T_j = +2$ °C	<i>Pdh</i>	6.9	kW
$T_j = +7$ °C	<i>Pdh</i>	4.8	kW
$T_j = +12$ °C	<i>Pdh</i>	5.8	kW
$T_j =$ bivalent temperature	<i>Pdh</i>	10.0	kW
$T_j =$ operation limit temperature	<i>Pdh</i>	8.2	kW
For air-to-water heat pumps: $T_j = -15$ °C (if $TOL < -20$ °C)	<i>Pdh</i>		kW
Bivalent temperature	T_{biv}	-5	°C
Cycling interval capacity for heating	<i>Pcyc</i>		kW
Degradation co-efficient ⁽⁴⁾	<i>Cdh</i>	1.0	—
Power consumption in modes other than active mode			
Off mode	P_{OFF}	21.000	kW
Thermostat-off mode	P_{TO}	36.000	kW
Standby mode	P_{SB}	21.000	kW
Crankcase heater mode	P_{CK}	33.000	kW
Other items			
Capacity control	fixed/variable		
Sound power level, indoors/outdoors	L_{WA}	64 / 44	dB
Annual energy consumption	Q_{HE}	8,369 30	kWh or GJ
For heat pump combination heater:			
Declared load profile			
Daily electricity consumption	Q_{elec}		kWh
Annual electricity consumption	<i>AEC</i>		kWh
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Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	120	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7$ °C	<i>COPd or PERd</i>	1.89 0.9	– or %
$T_j = +2$ °C	<i>COPd or PERd</i>	3.12 0.5	– or %
$T_j = +7$ °C	<i>COPd or PERd</i>	4.40 0.4	– or %
$T_j = +12$ °C	<i>COPd or PERd</i>	6.36 0.5	– or %
$T_j =$ bivalent temperature	<i>COPd or PERd</i>	1.89 0.8	– or %
$T_j =$ operation limit temperature	<i>COPd or PERd</i>	1.77 0.6	– or %
For air-to-water heat pumps: $T_j = -15$ °C (if $TOL < -20$ °C)	<i>COPd or PERd</i>		– or %
For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	-10	°C
Cycling interval efficiency	<i>COPcyc or PERcyc</i>		– or %
Heating water operating limit temperature	<i>WTOL</i>	55	°C
Supplementary heater			
Rated heat output ⁽⁴⁾	P_{sup}	9.0	kW
Type of energy input	Electrical		
Inverter			
For air-to-water heat pumps: Rated air flow rate, outdoors	—	5,400	m ³ /h
For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	—		m ³ /h
Water heating energy efficiency	η_{wh}		%
Daily fuel consumption	Q_{fuel}		kWh
Annual fuel consumption	<i>AFC</i>		GJ

⁽³⁾ For heat pump space heaters and heat pump combination heaters, the rated heat output *Prated* is equal to the design load for heating *Pdesignh*, and the rated heat output of a supplementary heater *Psup* is equal to the supplementary capacity for heating *sup(Tj)*.

⁽⁴⁾ If *Cdh* is not determined by measurement then the default degradation coefficient is *Cdh* = 0,9.