Model(s): RHBX08CB9W / RRLQ008CAV3

Boiler:

Air-to-water heat pump Yes

Water-to-water heat pump: No

Brine-to-water heat pump: No

Low-temperature heat pump: No

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	Item	Symbol	Value	Unit
Rated heat output (3)	*Prated*	6.40	kW	**Seasonal space heating energy efficiency**	η_s	125	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j				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	*Pdh*	5.50	kW	T_j = – 7 °C	*COPd or PERd*	1.98 79.2	– or %
T_j = + 2 °C	*Pdh*	3.43	kW	T_j = + 2 °C	*COPd or PERd*	3.17 127	– or %
T_j = + 7 °C	*Pdh*	3.50	kW	T_j = + 7 °C	*COPd or PERd*	4.20 168	– or %
T_j = + 12 °C	*Pdh*	3.28	kW	T_j = + 12 °C	*COPd or PERd*	5.82 233	– or %
T_j = bivalent temperature	*Pdh*	5.50	kW	T_j = bivalent temperature	*COPd or PERd*	1.98 79.2	– or %
T_j = operation limit temperature	*Pdh*	3.10	kW	T_j = operation limit temperature	*COPd or PERd*	1.74 69.6	– or %
For air-to-air heat pumps: T_j = – 15 °C (if *TOL* < – 20 °C)	*Pdh*		kW	For air-to-water heat pumps: T_j = – 15 °C (if *TOL* < – 20 °C)	*COPd or PERd*		– or %
Bivalent temperature	T_{biv}	-7.00	°C	For air-to-water heat pumps: Operation limit temperature	*TOL*	-10.0	°C
Cycling interval capacity for heating	*Pcych*		kW	Cycling interval efficiency	*COPcyc or PERcyc*		– or %
Degradation co-efficient (4)	*Cdh*	1.00	—	Heating water operating limit temperature	*WTOL*	55.0	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P_{OFF}	0.0080	kW	Rated heat output (4)	*Psup*	9.00	kW
Thermostat-off mode	P_{TO}	0.0080	kW		Electrical		
Standby mode	P_{SB}	0.0080	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.00	kW				
Other items				Inverter			
Capacity Control	fixed/variable			For air-to-water heat pumps: Rated air flow rate, outdoors	—	2,820	m^3/h
Sound power level, indoors/outdoors	L_{WA}	62.0 / 40.0	dB	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	—	0.00	m^3/h
Annual energy consumption	Q_{HE}	4,100	kWh or GJ				

For heat pump combination heater:

Declared load profile				**Water heating energy efficiency**	η_{wh}		%
Daily electricity consumption	Q_{elec}		kWh	Daily fuel consumption	Q_{fuel}		kWh
Annual electricity consumption	*AEC*		kWh	Annual fuel consumption	*AFC*		GJ

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([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.