

Heat pump space heater

Outdoor **RRLQ008CAV3**
Indoor **RHBX08CB9W**

Space heating	Energy efficiency class 55°C (High temp. app.)	-	A++
	Energy efficiency class 35°C (Low temp. app.)	-	A++

Average climate (Design temperature = -10°C)

Space heating 55°C	Prated (declared heating capacity) @ -10°C	[kW]	6.40	
	Seasonal space heating efficiency (η_S)	[%]	125	
	Annual energy consumption	[kWh]	4,100	
Space heating 35°C	Prated (declared heating capacity) @ -10°C	[kW]	7.40	
	Seasonal space heating efficiency (η_S)	[%]	171	
	Annual energy consumption	[kWh]	3,490	
off peak operation function integrated in Heat pump			Y/N	Yes

Colder climate (Design temperature = -22°C)

Space heating 55°C	Prated (declared heating capacity) @ -22°C	[kW]	3.56
	Seasonal space heating efficiency (η_S)	[%]	110
	Annual energy consumption	[kWh]	3,090
Space heating 35°C	Prated (declared heating capacity) @ -22°C	[kW]	3.89
	Seasonal space heating efficiency (η_S)	[%]	151
	Annual energy consumption	[kWh]	2,480

Warmer climate (Design temperature = 2°C)

Space heating 55°C	Prated (declared heating capacity) @ -2°C	[kW]	6.36
	Seasonal space heating efficiency (η_S)	[%]	178
	Annual energy consumption	[kWh]	1,840
Space heating 35°C	Prated (declared heating capacity) @ -2°C	[kW]	7.68
	Seasonal space heating efficiency (η_S)	[%]	251
	Annual energy consumption	[kWh]	1,570

Indoor unit sound power (*)	[dB(A)]	40.0
Outdoor unit sound power (*)	[dB(A)]	62.0

Ecodesign technical data

Product description	Air-to-water heat pump	Y/N	Yes
	Water-to-water heat pump	Y/N	No
	Brine-to-water heat pump	Y/N	No
	Low-temperature heat pump	Y/N	No
	Equipped with a supplementary heater	Y/N	Yes
	Heat pump combination heater	Y/N	No
Air to water unit	Rated airflow (outdoor)	[m ³ /h]	2,820
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	[m ³ /h]	0.00

Other	Capacity control	-	
	P _{off} (Power consumption Off mode)	[kW]	
	P _{to} (Power consumption Thermostat off mode)	[kW]	
	P _{sb} (Power consumption Standby mode)	[kW]	
	P _{CK} (Power crankcase heater model)	[kW]	
	Q _{elec} (Daily electricity consumption)	[kWh]	
	Q _{fuel} (Daily fuel consumption)	[kWh]	

Part load conditions space heating average climate

(A) condition (-7°C)	P _{dh} (declared heating capacity)	[kW]	5.50
	COP _d (declared COP)	-	1.98
	C _{dh} (degradation coefficient)	-	1.00
(B) condition (2°C)	P _{dh} (declared heating capacity)	[kW]	3.43
	COP _d (declared COP)	-	3.17
	C _{dh} (degradation coefficient)	-	1.00
(C) condition (7°C)	P _{dh} (declared heating capacity)	[kW]	3.50
	COP _d (declared COP)	-	4.20
	C _{dh} (degradation coefficient)	-	0.990
(D) condition (12°C)	P _{dh} (declared heating capacity)	[kW]	3.28
	COP _d (declared COP)	-	5.82
	C _{dh} (degradation coefficient)	-	0.990
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-10.0
	P _{dh} (declared heating capacity)	[kW]	3.10

	COP_d (declared COP)	-	1.74
	WTOL (Heating water Operation Limit)	[°C]	55.0
(F) Tivalent temperature	T_{blv}	[°C]	-7.00
	P_{dh} (declared heating capacity)	[kW]	5.50
	COP_d (declared COP)	-	1.98
	Capacity of the back-up heater integrated in the unit	P_{sup} back-up heater (@T_{designh}: -10°C)	[kW]
Supplementary capacity at P_{design}	P_{sup} (@T_{designh}: -10°C)	[kW]	3.30

Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.
Energy labels and product fiches for additional combinations, packages and other products can be found on "www.rotex-heating.com".
(*) Sound power level in heating mode, measured according to the EN15036 for combustion boilers and EN 12102 for heat pumps under conditions of the EN ISO 3746, accuracy class 3
This data is for comparison of Energy efficiencies according to Regulation (EU) 2017/1369, for correct selection of products for your application, contact your dealer.
Depending on your application and the product selected an additional supplementary heater may have to be installed.