

Product Information



Energy labelling Regulation: (EU) 811/2013

Ecodesign Regulation: (EU) 813/2013

PRODUCT FICHE

Heat pump space heater		Outdoor	ERSQ016AAV1
		Indoor	EKHBRD016ADV17
Space Heating	Energy efficiency class 55°C (High temp. app.)	-	A+
	Energy efficiency class 35°C (Low temp. app.)	-	B
Average climate (Design temperature = -10°C)			
Space heating 55°C	P_{rated} (declared heating capacity) @ -10°C	[kW]	15.0
	Seasonal space heating efficiency (η_S)	[%]	117
	Annual energy consumption	[kWh]	10,300
Space heating 35°C	P_{rated} (declared heating capacity) @ -10°C	[kW]	16.0
	Seasonal space heating efficiency (η_S)	[%]	112
	Annual energy consumption	[kWh]	10,800
off peak operation function integrated in Heat pump			
Colder climate (Design temperature = -22°C)			
Space heating 55°C	P_{rated} (declared heating capacity) @ -22°C	[kW]	13.7
	Seasonal space heating efficiency (η_S)	[%]	93.0
	Annual energy consumption	[kWh]	13,600
Space heating 35°C	P_{rated} (declared heating capacity) @ -22°C	[kW]	14.2
	Seasonal space heating efficiency (η_S)	[%]	97.0
	Annual energy consumption	[kWh]	13,500
Warmer climate (Design temperature = 2°C)			
Space heating 55°C	P_{rated} (declared heating capacity) @ 2°C	[kW]	13.4
	Seasonal space heating efficiency (η_S)	[%]	114
	Annual energy consumption	[kWh]	6,200
Space heating 35°C	P_{rated} (declared heating capacity) @ 2°C	[kW]	15.9
	Seasonal space heating efficiency (η_S)	[%]	132
	Annual energy consumption	[kWh]	5,410
Indoor sound power (*)		[dB(A)]	60.0
Outdoor sound power (*)		[dB(A)]	71.0
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	No
	For heat pump combination heater:	Y/N	No
Air to water unit	Rated airflow (outdoor)	[m ³ /h]	6,360
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	[m ³ /h]	
Other			
	Capacity control	-	Inverter
	P_{off} (Power consumption Off mode)	[kW]	0.055
	P_{to} (Power consumption Thermostat off mode)	[kW]	0.059
	P_{sb} (Power consumption Standby mode)	[kW]	0.055
	P_{CK} (Power crankcase heater model)	[kW]	0.055
	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]	12.1
	COP_d (declared COP)	-	2.11
	C_{dh} (degradation coefficient)	-	1.00
(B) condition (2°C)			
	P_{dh} (declared heating capacity)	[kW]	8.54
	COP_d (declared COP)	-	3.01
	C_{dh} (degradation coefficient)	-	1.00
(C) condition (7°C)			
	P_{dh} (declared heating capacity)	[kW]	5.39
	COP_d (declared COP)	-	4.26
	C_{dh} (degradation coefficient)	-	1.00
(D) condition (12°C)			
	P_{dh} (declared heating capacity)	[kW]	4.68
	COP_d (declared COP)	-	4.67
	C_{dh} (degradation coefficient)	-	0.940
(E) Tol (temperature operating limit)			
	T_{ol} (temperature operating limit)	[°C]	-10.0
	P_{dh} (declared heating capacity)	[kW]	11.9
	COP_d (declared COP)	-	2.01
	WTOL (Heating water Operation Limit)	[°C]	55.0
(F) No label found for faw.tbivalent.temperaturee.			
	T_{blv}	[°C]	-6.00
	P_{dh} (declared heating capacity)	[kW]	12.6
	COP_d (declared COP)	-	2.16
Capacity of the back-up heater integrated in the unit	P_{sup} back-up heater (@Tdesignh: -10°C)	[kW]	
Supplementary capacity at P_design	P_{sup} (@Tdesignh: -10°C)	[kW]	

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 'energylabel.daikin.eu.'

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.