

Product Information



Energy labelling Regulation: (EU) 811/2013

Ecodesign Regulation: (EU) 813/2013

PRODUCT FICHE

Heat pump space heater		Outdoor	EPRA18DAW1
		Indoor	ETBH16DA9W
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	P _{rated} (declared heating capacity) @ -10°C	[kW]	13
	Seasonal space heating efficiency (η _S)	[%]	140
	Annual energy consumption	[kWh]	7,236
Space heating 35°C	P _{rated} (declared heating capacity) @ -10°C	[kW]	13
	Seasonal space heating efficiency (η _S)	[%]	186
	Annual energy consumption	[kWh]	5,479
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
	Seasonal space heating efficiency (η _S)	[%]	125
	Annual energy consumption	[kWh]	9,658
Space heating 35°C	P _{rated} (declared heating capacity) @ -22°C	[kW]	13
	Seasonal space heating efficiency (η _S)	[%]	163
	Annual energy consumption	[kWh]	7,425
Warmer climate (Design temperature = 2°C)			
Space heating 55°C	P _{rated} (declared heating capacity) @ 2°C	[kW]	13
	Seasonal space heating efficiency (η _S)	[%]	161
	Annual energy consumption	[kWh]	4,063
Space heating 35°C	P _{rated} (declared heating capacity) @ 2°C	[kW]	13
	Seasonal space heating efficiency (η _S)	[%]	220
	Annual energy consumption	[kWh]	2,992
Indoor sound power (*)		[dB(A)]	44.0
Outdoor sound power (*)		[dB(A)]	54.0
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
	For heat pump combination heater:	Y/N	Yes
Air to water unit	Rated airflow (outdoor)	[m ³ /h]	3
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	[m ³ /h]	3
Other			
	Capacity control	-	Inverter
	P _{off} (Power consumption Off mode)	[kW]	0.031
	P _{to} (Power consumption Thermostat off mode)	[kW]	0.033
	P _{sb} (Power consumption Standby mode)	[kW]	0.042
	P _{ck} (Power crankcase heater model)	[kW]	0.000
	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]	11.1
	COP _d (declared COP)	-	2.43
	C _{dh} (degradation coefficient)	-	1.0
(B) condition (2°C)			
	P _{dh} (declared heating capacity)	[kW]	6.7
	COP _d (declared COP)	-	3.52
	C _{dh} (degradation coefficient)	-	1.0
(C) condition (7°C)			
	P _{dh} (declared heating capacity)	[kW]	6.5
	COP _d (declared COP)	-	4.54
	C _{dh} (degradation coefficient)	-	1.0
(D) condition (12°C)			
	P _{dh} (declared heating capacity)	[kW]	5.2
	COP _d (declared COP)	-	5.97
	C _{dh} (degradation coefficient)	-	1.0
(E) Tol (temperature operating limit)			
	Tol (temperature operating limit)	[°C]	-10
	P _{dh} (declared heating capacity)	[kW]	12.5
	COP _d (declared COP)	-	2.12
	WTOL (Heating water Operation Limit)	[°C]	55
(F) No label found for faw.tbivalent.temperaturee.			
	T _{blv}	[°C]	-10
	P _{dh} (declared heating capacity)	[kW]	12.5
	COP _d (declared COP)	-	2.12
Capacity of the back-up heater integrated in the unit	P _{sup} back-up heater (@Tdesignh: -10°C)	[kW]	9.0
Supplementary capacity at P _{design}	P _{sup} (@Tdesignh: -10°C)	[kW]	9.0

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.