Product Information

DAIKIN

Energy labelling Regulation: (EU) 811/2013

Ecodesign Regulation: (EU) 813/2013

PRODUCT FICHE

Heat pump space heater			Outdoor	**EPRA18DAW1**
			Indoor	**ETBX16DA9W**
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)		[%]	142
	Annual energy consumption		[kWh]	7,122
Space heating 35°C	P_{rated} **(declared heating capacity) @ –10°C**		[kW]	13
	Seasonal space heating efficiency (η_S)		[%]	190
	Annual energy consumption		[kWh]	5,366
off peak operation function integrated in Heat pump			Y/N	false
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)		[%]	126
	Annual energy consumption		[kWh]	9,589
Space heating 35°C	P_{rated} **(declared heating capacity) @ –22°C**		[kW]	13
	Seasonal space heating efficiency (η_S)		[%]	165
	Annual energy consumption		[kWh]	7,356
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)		[%]	167
	Annual energy consumption		[kWh]	3,926
Space heating 35°C	P_{rated} **(declared heating capacity) @ 2°C**		[kW]	13
	Seasonal space heating efficiency (η_S)		[%]	231
	Annual energy consumption		[kWh]	2,855
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]	
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]	0.031
	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
	Cdh (degradation coefficient)		-	1.0
(B) condition (2°C)	P_{dh} **(declared heating capacity)**		[kW]	6.7
	COP_d **(declared COP)**		-	3.52
	Cdh (degradation coefficient)		-	1.0
(C) condition (7°C)	P_{dh} **(declared heating capacity)**		[kW]	6.5
	COP_d **(declared COP)**		-	4.54
	Cdh (degradation coefficient)		-	1.0
(D) condition (12°C)	P_{dh} **(declared heating capacity)**		[kW]	5.2
	COP_d **(declared COP)**		-	5.97
	Cdh (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.