Product Information

DAIKIN

Energy labelling Regulation: (EU) 811/2013

Ecodesign Regulation: (EU) 813/2013

PRODUCT FICHE

Heat pump combination heater		Outdoor	**ERLA14DAW1**
		Indoor	**EBVZ16S23DJ9W**
Indoor unit sound power (*)		[dB(A)]	44.0
Outdoor unit sound power (*)		[dB(A)]	62.0
Water heating	**Declared load profile**	-	XL
	Energy efficiency class	-	A
Space Heating	**Energy efficiency class 55°C (High temp. app.)**	-	A++
Average climate (Design temperature = –10°C)			
Water heating	**Water heating energy efficiency (η_{wh})**	[%]	109
	Annual energy consumption	[kWh]	1,542
Space Heating	**P_{rated} (declared heating capacity) @ –10°C**	[kW]	11
	Seasonal space heating efficiency (η (η_S)	[%]	126
	Annual energy consumption	[kWh]	7,047
off peak operation function integrated in Heat pump		Y/N	false
Colder climate (Design temperature = –22°C)			
Water heating	**Water heating energy efficiency (η_{wh})**	[%]	85
	Annual electricity consumption (AEC)	[kWh]	1,963
Space Heating	**P_{rated} (declared heating capacity) @ –22°C**	[kW]	11
	Seasonal space heating efficiency (η (η_S)	[%]	117
	Annual energy consumption	[kWh]	9,024
Warmer climate (Design temperature = 2°C)			
Water heating	**Water heating energy efficiency (η_{wh})**	[%]	124
	Annual electricity consumption (AEC)	[kWh]	1,349
Space Heating	**P_{rated} (declared heating capacity) @ 2°C**	[kW]	12.1
	Seasonal space heating efficiency (η $_S$)	[%]	166
	Annual energy consumption	[kWh]	3,818
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	Yes
Air to water unit	**Rated airflow (outdoor)**	[m^3/h]	4,220
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]	0.023
	P_{to} (Power consumption Thermostat off mode)	[kW]	0.023
	P_{sb} (Power consumption Standby mode)	[kW]	0.023
	P_{CK} (Power crankcase heater model)	[kW]	0.000
	Q_{elec} (Daily electricity consumption)	[kWh]	7.260
	Q_{fuel} (Daily fuel consumption)	[kWh]	
Part load conditions space heating average climate			
(A) condition (-7°C)	**P_{dh} (declared heating capacity)**	[kW]	8.5
	COP_d (declared COP)	-	1.80
	Cdh (degradation coefficient)	-	1.0
B) condition (2°C)	**P_{dh} (declared heating capacity)**	[kW]	6.2
	COP_d (declared COP)	-	3.28
	Cdh (degradation coefficient)	-	1.0
(C) condition (7°C)	**P_{dh} (declared heating capacity)**	[kW]	4.4
	COP_d (declared COP)	-	4.88
	Cdh (degradation coefficient)	-	1.0
(D) (D) condition (12°C)	**P_{dh} (declared heating capacity)**	[kW]	5.3
	COP_d (declared COP)	-	6.58
	Cdh (degradation coefficient)	-	1.0
(E) Tol (temperature operating limit)	**Tol (temperature operating limit)**	[°C]	-10
	P_{dh} (declared heating capacity)	[kW]	7.0
	COP_d (declared COP)	-	1.76
	WTOL (Heating water Operation Limit)	[°C]	55
(F) Tbivalent temperature	**T_{blv}**	[°C]	-5
	P_{dh} (declared heating capacity)	[kW]	8.9
	COP_d (declared COP)	-	1.87
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]	11

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.