

Product Information



Energy labelling Regulation: (EU) 811/2013

Ecodesign Regulation: (EU) 813/2013

PRODUCT FICHE

Heat pump combination heater		Outdoor	ERLA16DAW1	
		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]	12	
	Seasonal space heating efficiency (η_{S})	[%]	130	
	Annual energy consumption	[kWh]	7,477	
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]	12	
	Seasonal space heating efficiency (η_{S})	[%]	121	
	Annual energy consumption	[kWh]	9,561	
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})	[%]	168	
	Annual energy consumption	[kWh]	3,792	
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]	5,100	
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]	9.4	
	COP_d (declared COP)	-	1.95	
	C_{dh} (degradation coefficient)	-	1.0	
(B) condition (2°C)				
	P_{dh} (declared heating capacity)	[kW]	6.9	
	COP_d (declared COP)	-	3.27	
	C_{dh} (degradation coefficient)	-	1.0	
(C) condition (7°C)				
	P_{dh} (declared heating capacity)	[kW]	4.4	
	COP_d (declared COP)	-	4.93	
	C_{dh} (degradation coefficient)	-	1.0	
(D) (D) condition (12°C)				
	P_{dh} (declared heating capacity)	[kW]	5.3	
	COP_d (declared COP)	-	6.60	
	C_{dh} (degradation coefficient)	-	1.0	
(E) Tol (temperature operating limit)				
	T_{ol} (temperature operating limit)	[°C]	-10	
	P_{dh} (declared heating capacity)	[kW]	6.0	
	COP_d (declared COP)	-	1.50	
	WTOL (Heating water Operation Limit)	[°C]	55	
(F) Tivalent temperature				
	T_{blv}	[°C]	-5	
	P_{dh} (declared heating capacity)	[kW]	10.1	
	COP_d (declared COP)	-	2.13	
Capacity of the back-up heater integrated in the unit		P_{sup} back-up heater (@ $T_{designh}$: -10°C)	[kW]	9.0
Supplementary capacity at P_{design}		P_{sup} (@ $T_{designh}$: -10°C)	[kW]	12

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.
