

Product Information



Energy labelling Regulation: (EU) 811/2013

Ecodesign Regulation: (EU) 813/2013

PRODUCT FICHE

Heat pump combination heater		Outdoor	EPRA18DAV37	
		Indoor	ETBH16EF6V7	
		Tank	EKHWSU250D3V3	
Indoor unit sound power (*)		[dB(A)]	44.0	
Outdoor unit sound power (*)		[dB(A)]	54.0	
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})	[%]	100	
	Annual energy consumption	[kWh]	1,670	
Space Heating	P_{rated} (declared heating capacity) @ -10°C	[kW]	13	
	Seasonal space heating efficiency (η (η_S))	[%]	140	
	Annual energy consumption	[kWh]	7,211	
	off peak operation function integrated in Heat pump	Y/N	true	
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]	13	
	Seasonal space heating efficiency (η (η_S))	[%]	125	
	Annual energy consumption	[kWh]	9,654	
	Warmer climate (Design temperature = 2°C)			
Water heating	Water heating energy efficiency (η_{Wh})	[%]	111	
	Annual electricity consumption (AEC)	[kWh]	1,515	
Space Heating	P_{rated} (declared heating capacity) @ 2°C	[kW]	14.1	
	Seasonal space heating efficiency (η (η_S))	[%]	166	
	Annual energy consumption	[kWh]	4,463	
	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	
	Heat pump combination heater	Y/N	Yes	
Air to water unit	Rated airflow (outdoor)	[m ³ /h]	3,960	
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]	0.021	
	P_{to} (Power consumption Thermostat off mode)	[kW]	0.041	
	P_{sb} (Power consumption Standby mode)	[kW]	0.021	
	P_{CK} (Power crankcase heater model)	[kW]	0.000	
	Q_{elec} (Daily electricity consumption)	[kWh]	9.300	
	Q_{fuel} (Daily fuel consumption)	[kWh]		
Part load conditions space heating average climate				
(A) condition (-7°C)				
	P_{dh} (declared heating capacity)	[kW]	11.2	
	COP_d (declared COP)	-	2.47	
	C_{dh} (degradation coefficient)	-	1.0	
(B) condition (2°C)				
	P_{dh} (declared heating capacity)	[kW]	6.9	
	COP_d (declared COP)	-	3.56	
	C_{dh} (degradation coefficient)	-	1.0	
(C) condition (7°C)				
	P_{dh} (declared heating capacity)	[kW]	6.9	
	COP_d (declared COP)	-	4.44	
	C_{dh} (degradation coefficient)	-	1.0	
(D) (D) condition (12°C)				
	P_{dh} (declared heating capacity)	[kW]	6.2	
	COP_d (declared COP)	-	5.72	
	C_{dh} (degradation coefficient)	-	1.0	
(E) Tol (temperature operating limit)				
	Tol (temperature operating limit)	[°C]	-10	
	P_{dh} (declared heating capacity)	[kW]	12.2	
	COP_d (declared COP)	-	2.19	
	WTOL (Heating water Operation Limit)	[°C]	55	
(F) TbiValent temperature				
	T_{blv}	[°C]	-10	
	P_{dh} (declared heating capacity)	[kW]	12.2	
	COP_d (declared COP)	-	2.19	
Capacity of the back-up heater integrated in the unit		P_{sup} back-up heater (@Tdesignh: -10°C)	[kW]	6.0
Supplementary capacity at P_design		P_{sup} (@Tdesignh: -10°C)	[kW]	0.0
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.