

Product Information



Energy labelling Regulation: (EU) 811/2013

Ecodesign Regulation: (EU) 813/2013

PRODUCT FICHE

Heat pump combination heater		Indoor	EDLA16DAV3 / EKHWSU300D3V3
		Tank	EKHWSU300D3V3
Indoor unit sound power (*)		[dB(A)]	
Outdoor unit sound power (*)		[dB(A)]	62.0
Water heating	Declared load profile	-	L
	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]	940
Space Heating	P_{rated} (declared heating capacity) @ -10°C	[kW]	12.0
	Seasonal space heating efficiency (η_{SH})	[%]	130
	Annual energy consumption	[kWh]	
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})	[%]	90
	Annual electricity consumption (AEC)	[kWh]	1.134
Space Heating	P_{rated} (declared heating capacity) @ -22°C	[kW]	12.0
	Seasonal space heating efficiency (η_{SH})	[%]	120
	Annual energy consumption	[kWh]	
Warmer climate (Design temperature = 2°C)			
Water heating	Water heating energy efficiency (η_{WH})	[%]	129
	Annual electricity consumption (AEC)	[kWh]	796
Space Heating	P_{rated} (declared heating capacity) @ 2°C	[kW]	12.1
	Seasonal space heating efficiency (η_{SH})	[%]	168
	Annual energy consumption	[kWh]	
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]	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]	4.460
	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) ToI (temperature operating limit)		ToI (temperature operating limit)	[°C] -10
		P_{dH} (declared heating capacity)	[kW] 8.0
		COP_d (declared COP)	- 1.67
		WTOL (Heating water Operation Limit)	[°C] 55
(F) TbiValent 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]
Supplementary capacity at P _{design}		P_{sup} (@T _{designh} : -10°C)	[kW] 4.1
<p>Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.</p> <p>Energy labels and product fiches for additional combinations, packages and other products can be found on 'energylabel.daikin.eu'</p> <p>(*) 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</p> <p>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.</p>			

Depending on your application and the product selected an additional supplementary heater may have to be installed.