

# Product Information



Energy labelling Regulation: (EU) 811/2013

Ecodesign Regulation: (EU) 813/2013

## PRODUCT FICHE

Heat pump combination heater		Indoor	EBLA16DA3V3 / EKHWSU180D3V3
		Tank	EKHWSU180D3V3
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 ( $\eta_{WH}$ )	[%]	105
	Annual energy consumption	[kWh]	976
Space Heating	$P_{rated}$ (declared heating capacity) @ -10°C	[kW]	12.0
	Seasonal space heating efficiency ( $\eta_{SH}$ )	[%]	132
	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 ( $\eta_{WH}$ )	[%]	85
	Annual electricity consumption (AEC)	[kWh]	1,202
Space Heating	$P_{rated}$ (declared heating capacity) @ -22°C	[kW]	12.0
	Seasonal space heating efficiency ( $\eta_{SH}$ )	[%]	120
	Annual energy consumption	[kWh]	
Warmer climate (Design temperature = 2°C)			
Water heating	Water heating energy efficiency ( $\eta_{WH}$ )	[%]	120
	Annual electricity consumption (AEC)	[kWh]	853
Space Heating	$P_{rated}$ (declared heating capacity) @ 2°C	[kW]	12.1
	Seasonal space heating efficiency ( $\eta_{SH}$ )	[%]	172
	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	Yes
	Heat pump combination heater	Y/N	Yes
Air to water unit	Rated airflow (outdoor)	[m <sup>3</sup> /h]	5,100
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	[m <sup>3</sup> /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]	4.620
	$Q_{fuel}$ (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 <sub>blv</sub>	[°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 <sub>designh</sub> : -10°C)	[kW]
Supplementary capacity at P <sub>design</sub>		$P_{sup}$ (@T <sub>designh</sub> : -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.