

# Product Information



Energy labelling Regulation: (EU) 811/2013

Ecodesign Regulation: (EU) 813/2013

## PRODUCT FICHE

Heat pump combination heater		Outdoor	ERLA14DAV3
		Indoor	EBVX16S18DJ6V
Indoor unit sound power (*)		[dB(A)]	44.0
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 ( $\eta_{WH}$ )	[%]	116
	Annual energy consumption	[kWh]	886
Space Heating	$P_{rated}$ (declared heating capacity) @ -10°C	[kW]	11
	Seasonal space heating efficiency ( $\eta_{SH}$ )	[%]	128
	Annual energy consumption	[kWh]	6,962
off peak operation function integrated in Heat pump		Y/N	false
Colder climate (Design temperature = -22°C)			
Water heating	Water heating energy efficiency ( $\eta_{WH}$ )	[%]	94
	Annual electricity consumption (AEC)	[kWh]	1,087
Space Heating	$P_{rated}$ (declared heating capacity) @ -22°C	[kW]	11
	Seasonal space heating efficiency ( $\eta_{SH}$ )	[%]	118
	Annual energy consumption	[kWh]	8,974
Warmer climate (Design temperature = 2°C)			
Water heating	Water heating energy efficiency ( $\eta_{WH}$ )	[%]	139
	Annual electricity consumption (AEC)	[kWh]	737
Space Heating	$P_{rated}$ (declared heating capacity) @ 2°C	[kW]	12.1
	Seasonal space heating efficiency ( $\eta_{SH}$ )	[%]	171
	Annual energy consumption	[kWh]	3,717
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]	3
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	[m <sup>3</sup> /h]	3
Other	Capacity control	-	
	$P_{off}$ (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]	4.260
	$Q_{fuel}$ (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
		$C_{dh}$ (degradation coefficient)	- 1.0
(B) condition (2°C)		$P_{dh}$ (declared heating capacity)	[kW] 6.2
		$COP_d$ (declared COP)	- 3.28
		$C_{dh}$ (degradation coefficient)	- 1.0
(C) condition (7°C)		$P_{dh}$ (declared heating capacity)	[kW] 4.4
		$COP_d$ (declared COP)	- 4.88
		$C_{dh}$ (degradation coefficient)	- 1.0
(D) (D) condition (12°C)		$P_{dh}$ (declared heating capacity)	[kW] 5.3
		$COP_d$ (declared COP)	- 6.58
		$C_{dh}$ (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) Tivalent temperature		T <sub>blv</sub>	[°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 (@T <sub>designh</sub> : -10°C)	[kW] 6.0
Supplementary capacity at P <sub>design</sub>		$P_{sup}$ (@T <sub>designh</sub> : -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.

