



INFORMATION SHEET FOR AIR CONDITIONERS, EXCEPT DOUBLE DUCTS AND SINGLE DUCTS<sup>(5)</sup>

As by Commission Communication in the framework of ecodesign requirements for air conditioners and comfort fans (EU Regulation no. 206/2012 ) and of energy labelling of air conditioners - (EU Regulation no. 626/2011)

MODEL : ECOLIGHT DUAL 18000 UE / ECOLIGHT 9000 UI (WF) X 2

Function to which information applies		If information applies to heating: heating season to which information relates.	
Cooling	Y	Heating (Average)(-10°C)	Y
Heating	Y	Heating (Warmer)(+2°C)	N
		Heating (Colder)(-22°C)	N

Item	symbol	value	unit	Item	symbol	value	unit
<b>Design load</b>				<b>Seasonal efficiency</b>			
Cooling	Pdesignc	5.2	kW	Cooling	SEER	6.1	-
Heating (Average)(-10°C)	Pdesignh	3.8	kW	Heating (Average)(-10°C)	SCOP (A)	4.0	-
Heating (Warmer)(+2°C)	Pdesignh	na	kW	Heating (Warmer)(+2°C)	SCOP (W)	na	-
Heating (Colder)(-22°C)	Pdesignh	na	kW	Heating (Colder)(-22°C)	SCOP (C)	na	-

Declared capacity (*) for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared Energy efficiency ratio (*) for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj = 35°C	Pdc	5.22	kW	Tj = 35°C	EERd	3.64	-
Tj = 30°C	Pdc	3.99	kW	Tj = 30°C	EERd	5.80	-
Tj = 25°C	Pdc	2.49	kW	Tj = 25°C	EERd	11.39	-
Tj = 20°C	Pdc	1.70	kW	Tj = 20°C	EERd	12.65	-

Declared capacity (*) for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared Coefficient of Performance (*) for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	Pdh	3.37	kW	Tj = -7°C	COPd	3.14	-
Tj = 2°C	Pdh	2.05	kW	Tj = 2°C	COPd	4.12	-
Tj = 7°C	Pdh	1.37	kW	Tj = 7°C	COPd	4.89	-
Tj = 12°C	Pdh	1.12	kW	Tj = 12°C	COPd	5.58	-
Tj = bivalent temperature	Pdh	3.37	kW	Tj = bivalent temperature	COPd	3.14	-
Tj = operating limit temperature	Pdh	3.19	kW	Tj = operating limit temperature	COPd	2.82	-

Declared capacity (*) for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared Coefficient of Performance (*) for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj = 2°C	Pdh	na	kW	Tj = 2°C	COPd	na	-
Tj = 7°C	Pdh	na	kW	Tj = 7°C	COPd	na	-
Tj = 12°C	Pdh	na	kW	Tj = 12°C	COPd	na	-
Tj = bivalent temperature	Pdh	na	kW	Tj = bivalent temperature	COPd	na	-
Tj = operating limit temperature	Pdh	na	kW	Tj = operating limit temperature	COPd	na	-

Declared capacity (*) for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared Coefficient of Performance (*) for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj = -7°C	Pdh	na	kW	Tj = -7°C	COPd	na	-
Tj = 2°C	Pdh	na	kW	Tj = 2°C	COPd	na	-
Tj = 7°C	Pdh	na	kW	Tj = 7°C	COPd	na	-
Tj = 12°C	Pdh	na	kW	Tj = 12°C	COPd	na	-
Tj = bivalent temperature	Pdh	na	kW	Tj = bivalent temperature	COPd	na	-
Tj = operating limit temperature	Pdh	na	kW	Tj = operating limit temperature	COPd	na	-
Tj =-15°C	Pdh	na	kW	Tj =-15°C	COPd	na	-

Bivalent temperature				Operating limit temperature			
Heating (Average)	Tbiv	-7	°C	Heating (Average)	Tol	-10	°C
Heating (Warmer)	Tbiv	na	°C	Heating (Warmer)	Tol	na	°C
Heating (Colder)	Tbiv	na	°C	Heating (Colder)	Tol	na	°C

Power consumption of cycling				Efficiency of cycling			
Cooling	Pcyc	na	kW	Cooling	EERcyc	na	-
Heating	Pcyc	na	kW	Heating	COPcyc	na	-
Degradation coefficient cooling(**)	Cdc	0.25	-	Degradation coefficient heating(**)	Cdh	0.25	-

Electric power input in power modes other than "active mode"				Seasonal electricity consumption			
Off mode	P <sub>OFF</sub>	0.0081	W	Cooling	Q <sub>CE</sub>	298	kWh/a
Standby mode	P <sub>SB</sub>	0.0081	W	Heating (Average)(-10°C)	Q <sub>HE/A</sub>	1330	kWh/a
Thermostat-off mode	P <sub>TO</sub>	0.00618/ 0.02076	W	Heating (Warmer)(+2°C)	Q <sub>HE/W</sub>	na	kWh/a
Crankcase heater mode	P <sub>CK</sub>	0	W	Heating (Colder)(-22°C)	Q <sub>HE/C</sub>	na	kWh/a

Capacity control type				Other items			
Fixed		N		Sound power level (indoor/outdoor)	L <sub>WA</sub>	55/64	dB(A)
Staged		N		Refrigerant type		R32	
Variable		Y		Global warming potential	GWP	675	KgCO <sub>2</sub> eq.
				Rated air flow (indoor/outdoor)		660*2/2600	m <sup>3</sup> /h

For more detailed information

ARGOCLIMA SPA - Via A. Varo,35 - Alfianello (BS) - ITALY -  
www.argoclima.com

(5) For multisplit appliances, data shall be provided at a Capacity ratio of 1.

(\*\*) If default Cd= 0,25 is chosen, then results from cycling tests are not required. Otherwise either the heating or cooling cycling test value is required



## Product Fiche

**Model :** ECOLIGHT DUAL 18000 UE / ECOLIGHT 9000 UI (WF) x 2

**Manufacturer :** ARGOClima SPA – Via Alfeno Varo, 35 – Alfianello (BS) - Italy

**Sound power level (indoor unit / outdoor unit):** 54 / 64 dB(A);

**Refrigerant:** R32

Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

### Cooling mode

**SEER:** 6.1

**Energy efficiency class:** A++

**P<sub>designc</sub>:** 5.2 kW

Annual electricity consumption **298 kWh** per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

### Heating mode

**Climate type:** Average

**SCOP:** 4.0

**Energy efficiency class:** A+

**P<sub>designh</sub>:** 3.8 kW

**Declared capacity:** 3.2 kW

The back up heating capacity for SCOP calculation: 0.6 kW.

Annual electricity consumption **1330 kWh** per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.