



## 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 : FREELIFE 12000 UE / FREELIFE 12000 UI

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)		Y	
				Heating (Colder)(-22°C)		N	
Item	symbol	value	unit	Item	symbol	value	unit
<b>Design load</b>				<b>Seasonal efficiency</b>			
Cooling	P <sub>designc</sub>	3.4	kW	Cooling	SEER	6.2	-
Heating (Average)(-10°C)	P <sub>designh</sub>	2.4	kW	Heating (Average)(-10°C)	SCOP (A)	4.0	-
Heating (Warmer)(+2°C)	P <sub>designh</sub>	3.1	kW	Heating (Warmer)(+2°C)	SCOP (W)	5.1	-
Heating (Colder)(-22°C)	P <sub>designh</sub>	-	kW	Heating (Colder)(-22°C)	SCOP (C)	-	-
<b>Declared capacity (*) for cooling, at indoor temperature 27(19)°C and outdoor temperature T<sub>j</sub></b>				<b>Declared Energy efficiency ratio (*) for cooling, at indoor temperature 27(19)°C and outdoor temperature T<sub>j</sub></b>			
T <sub>j</sub> = 35°C	P <sub>dc</sub>	3.42	kW	T <sub>j</sub> = 35°C	EERd	2.45	-
T <sub>j</sub> = 30°C	P <sub>dc</sub>	2.34	kW	T <sub>j</sub> = 30°C	EERd	4.48	-
T <sub>j</sub> = 25°C	P <sub>dc</sub>	1.51	kW	T <sub>j</sub> = 25°C	EERd	7.49	-
T <sub>j</sub> = 20°C	P <sub>dc</sub>	0.99	kW	T <sub>j</sub> = 20°C	EERd	13.97	-
<b>Declared capacity (*) for heating / Average season, at indoor temperature 20°C and outdoor temperature T<sub>j</sub></b>				<b>Declared Coefficient of Performance (*) for heating / Average season, at indoor temperature 20°C and outdoor temperature T<sub>j</sub></b>			
T <sub>j</sub> = -7°C	P <sub>dh</sub>	2.25	kW	T <sub>j</sub> = -7°C	COPd	2.79	-
T <sub>j</sub> = 2°C	P <sub>dh</sub>	1.22	kW	T <sub>j</sub> = 2°C	COPd	3.97	-
T <sub>j</sub> = 7°C	P <sub>dh</sub>	0.89	kW	T <sub>j</sub> = 7°C	COPd	4.86	-
T <sub>j</sub> = 12°C	P <sub>dh</sub>	0.85	kW	T <sub>j</sub> = 12°C	COPd	6.06	-
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	2.41	kW	T <sub>j</sub> = bivalent temperature	COPd	2.49	-
T <sub>j</sub> = operating limit temperature	P <sub>dh</sub>	2.25	kW	T <sub>j</sub> = operating limit temperature	COPd	2.79	-
<b>Declared capacity (*) for heating / Warmer season, at indoor temperature 20°C and outdoor temperature T<sub>j</sub></b>				<b>Declared Coefficient of Performance (*) for heating / Warmer season, at indoor temperature 20°C and outdoor temperature T<sub>j</sub></b>			
T <sub>j</sub> = 2°C	P <sub>dh</sub>	3.17	kW	T <sub>j</sub> = 2°C	COPd	2.68	-
T <sub>j</sub> = 7°C	P <sub>dh</sub>	2.03	kW	T <sub>j</sub> = 7°C	COPd	4.87	-
T <sub>j</sub> = 12°C	P <sub>dh</sub>	0.92	kW	T <sub>j</sub> = 12°C	COPd	6.09	-
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	3.17	kW	T <sub>j</sub> = bivalent temperature	COPd	2.68	-
T <sub>j</sub> = operating limit temperature	P <sub>dh</sub>	3.17	kW	T <sub>j</sub> = operating limit temperature	COPd	2.68	-
<b>Declared capacity (*) for heating / Colder season, at indoor temperature 20°C and outdoor temperature T<sub>j</sub></b>				<b>Declared Coefficient of Performance (*) for heating / Colder season, at indoor temperature 20°C and outdoor temperature T<sub>j</sub></b>			
T <sub>j</sub> = -7°C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = -7°C	COPd	-	-
T <sub>j</sub> = 2°C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = 2°C	COPd	-	-
T <sub>j</sub> = 7°C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = 7°C	COPd	-	-
T <sub>j</sub> = 12°C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = 12°C	COPd	-	-
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	-	kW	T <sub>j</sub> = bivalent temperature	COPd	-	-
T <sub>j</sub> = operating limit temperature	P <sub>dh</sub>	-	kW	T <sub>j</sub> = operating limit temperature	COPd	-	-
T <sub>j</sub> = -15°C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = -15°C	COPd	-	-
<b>Bivalent temperature</b>				<b>Operating limit temperature</b>			
Heating (Average)	T <sub>biv</sub>	-7	°C	Heating (Average)	T <sub>ol</sub>	-10	°C
Heating (Warmer)	T <sub>biv</sub>	2	°C	Heating (Warmer)	T <sub>ol</sub>	2	°C
Heating (Colder)	T <sub>biv</sub>	-	°C	Heating (Colder)	T <sub>ol</sub>	-	°C
<b>Power consumption of cycling</b>				<b>Efficiency of cycling</b>			
Cooling	P <sub>cycc</sub>	-	kW	Cooling	EER <sub>cycc</sub>	-	-
Heating	P <sub>cyhc</sub>	-	kW	Heating	COP <sub>cyhc</sub>	-	-
Degradation coefficient cooling(**)	C <sub>dc</sub>	0.25	-	Degradation coefficient heating(**)	C <sub>dh</sub>	0.25	-
<b>Electric power input in power modes other than "active mode"</b>				<b>Seasonal electricity consumption</b>			
Off mode	P <sub>OFF</sub>	-	W	Cooling	Q <sub>CE</sub>	192	kWh/a
Standby mode	P <sub>SB</sub>	0.24	W	Heating (Average)(-10°C)	Q <sub>HE/A</sub>	840	kWh/a
Thermostat-off mode	P <sub>TO</sub>	29.8/11.2	W	Heating (Warmer)(+2°C)	Q <sub>HE/W</sub>	851	kWh/a
Crankcase heater mode	P <sub>CK</sub>	-	W	Heating (Colder)(-22°C)	Q <sub>HE/C</sub>	-	kWh/a
<b>Capacity control type</b>				<b>Other items</b>			
Fixed		N		Sound power level (indoor/outdoor)	L <sub>WA</sub>	54/61	dB(A)
Staged		N		Refrigerant type		R32	
Variable		Y		Global warming potential	GWP	675	KgCO <sub>2</sub> eq.
				Rated air flow (indoor/outdoor)		600	m <sup>3</sup> /h
For more detailed information				<b>ARGOCLIMA SPA - Via A. Varo,35 - Alfianello (BS) - ITALY - <a href="http://www.argoclima.com">www.argoclima.com</a></b>			

(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:** FREELIFE 12000 UE / FREELIFE 12000 UI

**Manufacturer :** ARGOCLIMA SPA - via Alfeno Varo, 35 - Alfianello (BS) - Italy;

**Sound power level (indoor unit / outdoor unit):** 54 / 61 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:** 6,2

**Energy efficiency class:** A++

**Pdesignc:** 3,4 kW

Annual electricity consumption **192** 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 (-10°C) / Warmer (+2°C) / Colder (-22°C)

**SCOP:** 4,0 / 5,1 /-

**Energy efficiency class:** A+/A+++/-

**Pdesignh:** 2,4 / 3,1 /- kW

The back up heating capacity for SCOP calculation: **# kW**.

Annual electricity consumption **840/851/-** kWh per year, based on standard test results.

Actual energy consumption will depend on how the appliance is used and where it is located.