



## 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 24000 UE / FREELIFE 24000 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>	6,7	kW	Cooling	SEER	6,53	-
Heating (Average)(-10°C)	P <sub>designh</sub>	5,7	kW	Heating (Average)(-10°C)	SCOP (A)	4,09	-
Heating (Warmer)(+2°C)	P <sub>designh</sub>	7,0	kW	Heating (Warmer)(+2°C)	SCOP (W)	5,27	-
Heating (Colder)(-22°C)	P <sub>designh</sub>	-	kW	Heating (Colder)(-22°C)	SCOP (C)	-	-

Declared capacity (*) for cooling, at indoor temperature 27(19)°C and outdoor temperature T <sub>j</sub>				Declared Energy efficiency ratio (*) for cooling, at indoor temperature 27(19)°C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = 35°C	P <sub>dc</sub>	6,46	kW	T <sub>j</sub> = 35°C	EER <sub>d</sub>	2,99	-
T <sub>j</sub> = 30°C	P <sub>dc</sub>	4,47	kW	T <sub>j</sub> = 30°C	EER <sub>d</sub>	4,99	-
T <sub>j</sub> = 25°C	P <sub>dc</sub>	2,98	kW	T <sub>j</sub> = 25°C	EER <sub>d</sub>	7,29	-
T <sub>j</sub> = 20°C	P <sub>dc</sub>	1,73	kW	T <sub>j</sub> = 20°C	EER <sub>d</sub>	13,45	-

Declared capacity (*) for heating / Average season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>				Declared Coefficient of Performance (*) for heating / Average season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = -7°C	P <sub>dh</sub>	4,74	kW	T <sub>j</sub> = -7°C	COP <sub>d</sub>	2,56	-
T <sub>j</sub> = 2°C	P <sub>dh</sub>	2,89	kW	T <sub>j</sub> = 2°C	COP <sub>d</sub>	4,14	-
T <sub>j</sub> = 7°C	P <sub>dh</sub>	2,18	kW	T <sub>j</sub> = 7°C	COP <sub>d</sub>	5,25	-
T <sub>j</sub> = 12°C	P <sub>dh</sub>	1,79	kW	T <sub>j</sub> = 12°C	COP <sub>d</sub>	6,32	-
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	4,74	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2,56	-
T <sub>j</sub> = operating limit temperature	P <sub>dh</sub>	5,31	kW	T <sub>j</sub> = operating limit temperature	COP <sub>d</sub>	2,18	-

Declared capacity (*) for heating / Warmer season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>				Declared Coefficient of Performance (*) for heating / Warmer season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = 2°C	P <sub>dh</sub>	6,86	kW	T <sub>j</sub> = 2°C	COP <sub>d</sub>	2,55	-
T <sub>j</sub> = 7°C	P <sub>dh</sub>	4,14	kW	T <sub>j</sub> = 7°C	COP <sub>d</sub>	4,67	-
T <sub>j</sub> = 12°C	P <sub>dh</sub>	2,15	kW	T <sub>j</sub> = 12°C	COP <sub>d</sub>	6,64	-
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	6,86	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2,55	-
T <sub>j</sub> = operating limit temperature	P <sub>dh</sub>	6,86	kW	T <sub>j</sub> = operating limit temperature	COP <sub>d</sub>	2,55	-

Declared capacity (*) for heating / Colder season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>				Declared Coefficient of Performance (*) for heating / Colder season, at indoor temperature 20°C and outdoor temperature T <sub>j</sub>			
T <sub>j</sub> = -7°C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = -7°C	COP <sub>d</sub>	-	-
T <sub>j</sub> = 2°C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = 2°C	COP <sub>d</sub>	-	-
T <sub>j</sub> = 7°C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = 7°C	COP <sub>d</sub>	-	-
T <sub>j</sub> = 12°C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = 12°C	COP <sub>d</sub>	-	-
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	-	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	-	-
T <sub>j</sub> = operating limit temperature	P <sub>dh</sub>	-	kW	T <sub>j</sub> = operating limit temperature	COP <sub>d</sub>	-	-
T <sub>j</sub> = -15°C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = -15°C	COP <sub>d</sub>	-	-

Bivalent temperature				Operating limit temperature			
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

Power consumption of cycling				Efficiency of cycling			
Cooling	P <sub>cycc</sub>	-	kW	Cooling	EER <sub>cyc</sub>	-	-
Heating	P <sub>cyh</sub>	-	kW	Heating	COP <sub>cyc</sub>	-	-
Degradation coefficient cooling(**)	C <sub>dc</sub>	0,25	-	Degradation coefficient heating(**)	C <sub>dh</sub>	0,25	-

Electric power input in power modes other than "active mode"				Seasonal electricity consumption			
Off mode	P <sub>OFF</sub>	-	W	Cooling	Q <sub>CE</sub>	359	kWh/a
Standby mode	P <sub>SB</sub>	0,6	W	Heating (Average)(-10°C)	Q <sub>HE/A</sub>	1950	kWh/a
Thermostat-off mode	P <sub>TO</sub>	51,4/13,0	W	Heating (Warmer)(+2°C)	Q <sub>HE/W</sub>	1859	kWh/a
Crankcase heater mode	P <sub>CK</sub>	-	W	Heating (Colder)(-22°C)	Q <sub>HE/C</sub>	-	kWh/a

Capacity control type				Other items			
Fixed		N		Sound power level (indoor/outdoor)	L <sub>WA</sub>	63/66	dB(A)
Staged		N		Refrigerant type		R32	
Variable		Y		Global warming potential	GWP	675	KgCO <sub>2</sub> eq.
				Rated air flow (indoor/outdoor)		1300	m <sup>3</sup> /h

For more detailed information

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

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

<sup>(\*\*)</sup> 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 24000 UE / FREELIFE 24000 UI

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

**Sound power level (indoor unit / outdoor unit):** 63 / 66 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:** 6,5

**Energy efficiency class:** A++

**Pdesignc:** 6,7 kW

Annual electricity consumption **359** 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)

**SCOP:** 4,1/5,2/-

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

**Pdesignh:** 5,7/7,0/- kW

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

Annual electricity consumption **1950/1859/-** kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.