

As by Comission 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 DUAL 14000 UE / FREELIFE DUAL 9000 UI + FREELIFE DUAL 12000 UI

Function to which information a	oplies			If information applies to heating:	neating season to	which information	relates.	
Cooling		Y		Heating (Average)(-10°C)			Y	
Heating		Y		Heating (Warmer)(+2°C) Heating (Colder)(-22°C)			Y	
						N		
ltem	symbol	Valore	unit	ltem	symbol	Valore	unit	
Design load				Seasonal efficiency				
Cooling	Pdesignc	4,1	kW	Cooling	SEER	6,1	-	
Heating (Average)(-10°C)	Pdesignh	3,7	kW	Heating (Average)(-10°C)	SCOP (A)	4,0	-	
Heating (Warmer)(+2°C)	Pdesignh	4,1	kW	Heating (Warmer)(+2°C)	SCOP (W)	5,1	-	
leating (Colder)(-22°C)	Pdesignh	-	kW	Heating (Colder)(-22°C)	SCOP (C)	-	-	
Declared capacity (*) for cooling, emperature Tj	, at indoor temperatu	re 27(19)°C and ou	utdoor	Declared Energy efficiency ratio ( outdoor temperature Tj	*) for cooling, at i	ndoor temperature	27(19)°C and	
i = 35°C	Pdc	4,15	kW	Ti = 35°C	EERd	3,81	-	
i = 30°C	Pdc	3,01	kW	Ti = 30°C	EERd	5,67	-	
i = 25°C	Pdc	2,04	kW	Tj = 25°C	EERd	7,92	-	
j = 20°C	Pdc	1,48	kW	Tj = 20°C	EERd	9,20	-	
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				
ïj = -7°C	Pdh	3,31	kW	Tj = -7°C	COPd	3,08	-	
j = 2°C	Pdh	2,10	kW	Tj = 2°C	COPd	3,70	-	
j = 7°C	Pdh	1,72	kW	Tj = 7°C	COPd	6,12	-	
j = 12°C	Pdh	1,32	kW	$Tj = 12^{\circ}C$	COPd	6,84	-	
= bivalent temperature	Pdh	3,31	kW	Tj = bivalent temperature	COPd	3,08	-	
j = operating limit temperature	Pdh	3,82	kW	Tj = operating limit temperature	COPd	2,03	•	
eclared capacity (*) for heating utdoor temperature Tj	/ Warmer season, at	indoor temperatu	re 20°C and	Declared Coefficient of Performance (*) for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				
j = 2°C	Pdh	4,12	kW	Tj = 2°C	COPd	4,21	-	
							-	
j = 7°C	Pdh	2,69	kW	Tj = 7°C	COPd	5,27		
j = 12°C	Pdh	1,29	kW	Tj = 12°C	COPd	5,5	-	
] = 12°C j = bivalent temperature j = operating limit temperature leclared capacity (*) for heating	Pdh Pdh Pdh	1,29 4,12 4,12	kW kW kW	·	COPd COPd COPd COPd	5,5 4,21 4,21	-	
j = 12°C j = bivalent temperature j = operating limit temperature Declared capacity (*) for heating butdoor temperature Tj j = -7°C	Pdh Pdh Pdh / Colder season, at i	1,29 4,12 4,12 ndoor temperature	kW kW kW e 20°C and kW	Tj = 12°C         Tj = bivalent temperature         Tj = operating limit temperature         Declared Coefficient of Performar         temperature 20°C and outdoor ter         Tj = -7°C	COPd COPd COPd nce (*) for heating mperature Tj COPd	5,5 4,21 4,21 / Colder season, at	- - - : indoor -	
i = 12°C j = bivalent temperature i = operating limit temperature eclared capacity (*) for heating utdoor temperature Tj j = -7°C i = 2°C	Pdh Pdh Pdh / Colder season, at i Pdh Pdh	1,29 4,12 4,12 ndoor temperature	kW kW kW e 20°C and kW kW	$T_i = 12^{\circ}C$ $T_j =$ bivalent temperature $T_j =$ operating limit temperature         Declared Coefficient of Performant         temperature 20°C and outdoor temperature $T_j = -7^{\circ}C$ $T_j = 2^{\circ}C$	COPd COPd COPd nce (*) for heating mperature Tj COPd COPd	5,5 4,21 4,21 / Colder season, at	- - - : indoor	
i = 12°C j = bivalent temperature j = operating limit temperature eclared capacity (*) for heating utdoor temperature Tj j = -7°C j = 2°C j = 7°C	Pdh Pdh Pdh / Colder season, at i Pdh Pdh Pdh Pdh	1,29 4,12 4,12 ndoor temperature	kW kW kW e 20°C and kW kW kW	$T_{i} = 12^{\circ}C$ $T_{j} = bivalent temperature$ $T_{j} = operating limit temperature$ Declared Coefficient of Performar temperature 20°C and outdoor ter $T_{j} = -7^{\circ}C$ $T_{j} = -7^{\circ}C$ $T_{j} = 7^{\circ}C$	COPd COPd COPd nce (*) for heating mperature Tj COPd COPd COPd	5,5 4,21 4,21 / Colder season, at	- - - : indoor -	
i = 12°C i = bivalent temperature = operating limit temperature veclared capacity (*) for heating utdoor temperature Tj i = -7°C j = 2°C j = 7°C j = 12°C	Pdh Pdh Pdh / Colder season, at i Pdh Pdh Pdh Pdh Pdh	1,29 4,12 4,12 ndoor temperature	e 20°C and kW kW kW kW kW kW kW	$\begin{array}{l} T_{i}=12^{\circ}\text{C}\\ T_{j}=\text{bivalent temperature}\\ T_{j}=\text{operating limit temperature}\\ \hline \end{array}$ $\begin{array}{l} \textbf{Declared Coefficient of Performar}\\ \textbf{temperature 20^{\circ}C and outdoor ter}\\ T_{j}=-7^{\circ}\text{C}\\ T_{j}=2^{\circ}\text{C}\\ T_{i}=7^{\circ}\text{C}\\ T_{i}=12^{\circ}\text{C}\\ \hline \end{array}$	COPd COPd COPd mode (*) for heating mperature Tj COPd COPd COPd COPd COPd	5,5 4,21 4,21 / Colder season, at	- - - : indoor -	
j = 12°C j = bivalent temperature j = operating limit temperature ecclared capacity (*) for heating utdoor temperature Tj j = -7°C j = 2°C j = 7°C j = 12°C j = 12°C j = bivalent temperature	Pdh Pdh Pdh / Colder season, at i Pdh Pdh Pdh Pdh	1,29 4,12 4,12 ndoor temperature - - - -	kW kW kW e 20°C and kW kW kW	$T_{i} = 12^{\circ}C$ $T_{j} = bivalent temperature$ $T_{j} = operating limit temperature$ Declared Coefficient of Performar temperature 20°C and outdoor ter $T_{j} = -7^{\circ}C$ $T_{j} = -7^{\circ}C$ $T_{j} = 7^{\circ}C$	COPd COPd COPd nce (*) for heating mperature Tj COPd COPd COPd	5,5 4,21 4,21 / Colder season, at	- - - - - - - - - - - - -	
<ul> <li>i = 12°C</li> <li>i = bivalent temperature</li> <li>i = operating limit temperature</li> <li>beclared capacity (*) for heating utdoor temperature Tj</li> <li>i = -7°C</li> <li>i = 2°C</li> <li>i = 7°C</li> <li>j = 7°C</li> <li>j = 12°C</li> <li>j = 12°C</li> <li>j = bivalent temperature</li> <li>j = operating limit temperature</li> </ul>	Pdh Pdh Pdh / Colder season, at i Pdh Pdh Pdh Pdh Pdh Pdh Pdh	1,29 4,12 4,12 ndoor temperature	e 20°C and kW kW e 20°C and kW kW kW kW	$T_{i} = 12^{\circ}C$ $T_{j} = bivalent temperature$ $T_{j} = operating limit temperature$ Declared Coefficient of Performar temperature 20°C and outdoor ter $T_{j} = -7^{\circ}C$ $T_{j} = 2^{\circ}C$ $T_{j} = 7^{\circ}C$ $T_{j} = 12^{\circ}C$ $T_{j} = bivalent temperature$	COPd COPd COPd mperature Tj COPd COPd COPd COPd COPd COPd COPd	5,5 4,21 4,21 / Colder season, at	- - - - - - - - - - - - - - -	
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i = 12°C         i = bivalent temperature         i = operating limit temperature         veclared capacity (*) for heating utdoor temperature Tj         i = -7°C         i = 2°C         i = 7°C         i = 12°C         i = bivalent temperature         i = operating limit temperature         i = operating limit temperature         i = -15°C         Bivalent temperature	Pdh Pdh Pdh / Colder season, at i Pdh Pdh Pdh Pdh Pdh Pdh Pdh Pdh	1,29 4,12 4,12 ndoor temperature - - - - - - - - - - - - - - - -	kW kW kW e 20°C and kW kW kW kW kW kW	$ \begin{array}{l} T_{i} = 12^{\circ} C \\ T_{j} = bivalent \ temperature \\ T_{j} = operating limit \ temperature \\ \hline T_{j} = operating limit \ temperature \\ \hline Declared Coefficient of Performar \\ temperature 20^{\circ} C \ and \ outdoor \ ter \\ \hline T_{j} = -7^{\circ} C \\ \hline T_{j} = 2^{\circ} C \\ \hline T_{j} = 2^{\circ} C \\ \hline T_{j} = 12^{\circ} C \\ \hline T_{j} = bivalent \ temperature \\ \hline T_{j} = operating limit \ temperature \\ \hline T_{j} = -15^{\circ} C \\ \hline Operating limit \ temperature \\ \hline \end{array} $	COPd COPd COPd mperature Tj COPd COPd COPd COPd COPd COPd COPd COPd	5,5 4,21 / Colder season, at	- - - - - - - - - - - - - - - - - - -	
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i = 12°C i = bivalent temperature i = operating limit temperature beclared capacity (*) for heating utdoor temperature Tj i = -7°C i = 2°C i = 7°C i = 12°C i = 12°C i = operating limit temperature i = operating limit temperature i = -15°C bivalent temperature leating (Average) leating (Warmer)	Pdh       Pdh       Pdh       / Colder season, at i       Pdh       Tbiv	1,29 4,12 4,12 ndoor temperature - - - - - - - - - - - -	kW kW kW e 20°C and kW kW kW kW kW kW kW	$T_{i} = 12^{\circ}C$ $T_{j} = bivalent temperature$ $T_{j} = operating limit temperature$ Declared Coefficient of Performar temperature 20°C and outdoor ter $T_{j} = -7^{\circ}C$ $T_{j} = 2^{\circ}C$ $T_{j} = 7^{\circ}C$ $T_{j} = 12^{\circ}C$ $T_{j} = bivalent temperature$ $T_{j} = operating limit temperature$ $T_{j} = -15^{\circ}C$ Operating limit temperature Heating (Average)	COPd COPd COPd mperature Tj COPd COPd COPd COPd COPd COPd COPd COPd	5,5 4,21 4,21 / Colder season, at	- - - - - - - - - - - - - - - - - - -	
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= 12°C = bivalent temperature = operating limit temperature eclared capacity (*) for heating utdoor temperature Tj = -7°C = 2°C = 2°C = 12°C = bivalent temperature = operating limit temperature = -15°C ivalent temperature eating (Average) eating (Colder) ower consumption of cycling ooling eating egradation coefficient cooling(**) lectric power input in power model = operating temperature	Pdh       Pdh       Pdh       Image: Constraint of the season, at image of the season, at i	1,29 4,12 4,12 ndoor temperature - - - - - - - - - - - - - - - - - - -	kW	Tj = 12°C         Tj = bivalent temperature         Tj = operating limit temperature         Declared Coefficient of Performar temperature 20°C and outdoor ter         Tj = -7°C         Tj = -7°C         Tj = 7°C         Tj = 12°C         Tj = bivalent temperature         Tj = operating limit temperature         Tj = -15°C         Operating limit temperature         Heating (Average)         Heating (Warmer)         Heating (Colder)         Efficiency of cycling         Cooling         Heating         Degradation coefficient heating(**)	COPd COPd COPd COPd COPd COPd COPd COPd	5,5 4,21 4,21 / Colder season, at - - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	
<ul> <li>= 12°C</li> <li>= bivalent temperature</li> <li>= operating limit temperature</li> <li>eclared capacity (*) for heating utdoor temperature Tj</li> <li>= -7°C</li> <li>= 2°C</li> <li>= 7°C</li> <li>= 12°C</li> <li>= operating limit temperature</li> <li>= operating (Colder)</li> <li>ower consumption of cycling</li> <li>ooling</li> <li>eating</li> <li>eating</li></ul>	Pdh         Cdc	1,29 4,12 4,12 ndoor temperature - - - - - - - - - - - - - - - - - - -	kW           kW           kW           e 20°C and           kW	$T_{i} = 12^{\circ}C$ $T_{j} = bivalent temperature$ $T_{j} = operating limit temperature$ $Declared Coefficient of Performartemperature 20^{\circ}C and outdoor terT_{j} = -7^{\circ}C T_{j} = 2^{\circ}C T_{j} = 7^{\circ}C T_{j} = bivalent temperature T_{j} = operating limit temperature T_{j} = -5^{\circ}C Operating limit temperature Heating (Average) Heating (Varmer) Heating (Volder) Efficiency of cycling Cooling Heating Degradation coefficient heating(**) Seasonal electricity consumption$	COPd COPd COPd COPd COPd COPd COPd COPd	5,5 4,21 4,21 / Colder season, at - - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	
<ul> <li>= 12°C</li> <li>= bivalent temperature</li> <li>= operating limit temperature</li> <li>eclared capacity (*) for heating utdoor temperature Tj</li> <li>= -7°C</li> <li>= 2°C</li> <li>= 7°C</li> <li>= 12°C</li> <li>= operating limit temperature</li> <li>= operating (Colder)</li> <li>ower consumption of cycling</li> <li>ooling</li> <li>eating</li> <li>egradation coefficient cooling(**)</li> <li>lectric power input in power mode</li> </ul>	Pdh       Christen       Pcycc       Pcych       Cdc       cdes other than "active       PoFF       PsB	1,29 4,12 4,12 ndoor temperature - - - - - - - - - - - - - - - - - - -	kW           W	Tj = 12°C         Tj = bivalent temperature         Tj = operating limit temperature         Declared Coefficient of Performar temperature 20°C and outdoor ter         Tj = -7°C         Tj = 2°C         Tj = 7°C         Tj = 12°C         Tj = bivalent temperature         Tj = operating limit temperature         Tj = operating limit temperature         Tj = operating limit temperature         Tj = -15°C         Operating limit temperature         Heating (Average)         Heating (Warmer)         Heating (Colder)         Efficiency of cycling         Cooling         Heating         Degradation coefficient heating(**)         Seasonal electricity consumption         Cooling	COPd COPd COPd COPd COPd COPd COPd COPd	5,5 4,21 4,21 / Colder season, at - - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	
<ul> <li>= 12°C</li> <li>= bivalent temperature</li> <li>= operating limit temperature</li> <li>eclared capacity (*) for heating utdoor temperature Tj</li> <li>= -7°C</li> <li>= 2°C</li> <li>= 7°C</li> <li>= 12°C</li> <li>= operating limit temperature</li> <li>= operating (Varmer)</li> <li>= operating (Colder)</li> <li>ower consumption of cycling</li> <li>ooling</li> <li>= eating</li> <li>= operating cooling (eating)</li> <li>= operating cooling</li> <li>= operating limit in power mode</li> <li>tandby mode</li> <li>hermostat-off mode</li> </ul>	Pdh       Tbiv       Tbiv       Tbiv       Tbiv       Cdc       PorF       Pss       Pro	1,29 4,12 4,12 ndoor temperature - - - - - - - - - - - - - - - - - - -	kW           W           W           W           W           W           W	Tj = 12°C         Tj = bivalent temperature         Tj = operating limit temperature         Declared Coefficient of Performar temperature 20°C and outdoor ter         Tj = -7°C         Tj = 2°C         Tj = 7°C         Tj = 12°C         Tj = bivalent temperature         Tj = operating limit temperature         Tj = operating limit temperature         Tj = -15°C         Operating limit temperature         Heating (Average)         Heating (Varmer)         Heating (Colder)         Efficiency of cycling         Cooling         Heating         Degradation coefficient heating(**)         Seasonal electricity consumption         Cooling         Heating (Average)(-10°C)	COPd COPd COPd COPd COPd COPd COPd COPd	5,5 4,21 4,21 / Colder season, at - - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	
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(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 DUAL 14000 UE /FREELIFE DUAL 9000 UI + FREELIFE DUAL 12000 UI

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

Sound power level (indoor unit / outdoor unit): 51 / 63 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++ Pdesignc: 4.1 kW

Annual electricity consumption **234 kWh** for 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: 4.1 Energy efficiency class: A+ Pdesignh: 3.7 kW Declared capacity: 3.7 kW

The back up heating capacity for SCOP calculation: 0 kW

Annual electricity consumption **1259 kWh** per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.