INFORMATION SHEET FOR AIR CONDITIONERS, EXCEPT DOUBLE DUCTS AND SINGLE DUCTS[5]

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 : CLIMADESIGN DUAL 18000 UE N / CLIMADESIGN MULTI 12000 UI (x2)

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	Valore	unit	Item	symbol	Valore	unit
Design load				**Seasonal efficiency**			
Cooling	Pdesignc	5,3	kW	Cooling	SEER	6,8	-
Heating (Average)(-10°C)	Pdesignh	4,3	kW	Heating (Average)(-10°C)	SCOP (A)	4,5	-
Heating (Warmer)(+2°C)	Pdesignh	4,8	kW	Heating (Warmer)(+2°C)	SCOP (W)	5,5	-
Heating (Colder)(-22°C)	Pdesignh	nd	kW	Heating (Colder)(-22°C)	SCOP (C)	-	-
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	5,51	kW	Tj = 35°C	EERd	3,84	-
Tj = 30°C	Pdc	4,01	kW	Tj = 30°C	EERd	5,82	-
Tj = 25°C	Pdc	2,68	kW	Tj = 25°C	EERd	8,86	-
Tj = 20°C	Pdc	2,15	kW	Tj = 20°C	EERd	14,38	-
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	4,00	kW	Tj = -7°C	COPd	3,26	-
Tj = 2°C	Pdh	2,47	kW	Tj = 2°C	COPd	4,64	-
Tj = 7°C	Pdh	2,36	kW	Tj = 7°C	COPd	5,88	-
Tj = 12°C	Pdh	2,62	kW	Tj = 12°C	COPd	7,68	-
Tj = bivalent temperature	Pdh	4,30	kW	Tj = bivalent temperature	COPd	2,76	-
Tj = operating limit temperature	Pdh	4,00	kW	Tj = operating limit temperature	COPd	3,26	-
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	4,8	kW	Tj = 2°C	COPd	3,10	-
Tj = 7°C	Pdh	3,22	kW	Tj = 7°C	COPd	5,52	-
Tj = 12°C	Pdh	2,62	kW	Tj = 12°C	COPd	7,68	-
Tj = bivalent temperature	Pdh	4,8	kW	Tj = bivalent temperature	COPd	3,10	-
Tj = operating limit temperature	Pdh	4,8	kW	Tj = operating limit temperature	COPd	3,10	-
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	nd	kW	Tj = -7°C	COPd	nd	-
Tj = 2°C	Pdh	nd	kW	Tj = 2°C	COPd	nd	-
Tj = 7°C	Pdh	nd	kW	Tj = 7°C	COPd	nd	-
Tj = 12°C	Pdh	nd	kW	Tj = 12°C	COPd	nd	-
Tj = bivalent temperature	Pdh	nd	kW	Tj = bivalent temperature	COPd	nd	-
Tj = operating limit temperature	Pdh	nd	kW	Tj = operating limit temperature	COPd	nd	-
Tj =-15°C	Pdh	nd	kW	Tj =-15°C	COPd	nd	-
Bivalent temperature				**Operating limit temperature**			
Heating (Average)	Tbiv	-7	°C	Heating (Average)	Tol	-10	°C
Heating (Warmer)	Tbiv	2	°C	Heating (Warmer)	Tol	2	°C
Heating (Colder)	Tbiv	nd	°C	Heating (Colder)	Tol	nd	°C
Power consumption of cycling				**Efficiency of cycling**			
Cooling	Pcycc	nd	kW	Cooling	EERcyc	nd	-
Heating	Pcych	nd	kW	Heating	COPcyc	nd	-
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_{OFF}	-	W	Cooling	Q_{CE}	273	kWh/a
Standby mode	P_{SB}	4,4/4,4	W	Heating (Average)(-10°C)	Q_{HE}/A	1338	kWh/a
Thermostat-off mode	P_{TO}	28,7/21,2	W	Heating (Warmer)(+2°C)	Q_{HE}/W	1222	kWh/a
Crankcase heater mode	P_{CK}	-	W	Heating (Colder)(-22°C)	Q_{HE}/C	nd	kWh/a
Capacity control type				**Other items**			
Fixed		N		Sound power level (indoor/outdoor)	L_{WA}	55/65	dB(A)
Staged		N		Refrigerant type		R32	
Variable		Y		Global warming potential	GWP	675	$KgCO_2eq.$
				Rated air flow (indoor/outdoor)		2600	m^3/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: CLIMADESIGN DUAL 18000 UE N/ CLIMADESIGN MULTI 12000 UI x 2

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

Sound power level (indoor unit / outdoor unit): 57 / 65 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_2, 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: 6,8

Energy efficiency class: A++

Pdesignc: 5,3 kW

Annual electricity consumption 273 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: 4,6

Energy efficiency class: A++

Pdesignh: 4,3 kW

The back up heating capacity for SCOP calculation: **4,3 kW**

Annual electricity consumption **1338** kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.