



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 : X3I ECO PLUS 70 SH / X3I ECO PLUS 70 HL WF

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)			Y
Item	symbol	value	unit	Item	symbol	value	unit
<b>Design load</b>				<b>Seasonal efficiency</b>			
Cooling	Pdesignc	7,1	kW	Cooling	SEER	7,0	-
Heating (Average)(-10°C)	Pdesignh	5,6	kW	Heating (Average)(-10°C)	SCOP (A)	4,2	-
Heating (Warmer)(+2°C)	Pdesignh	5,7	kW	Heating (Warmer)(+2°C)	SCOP (W)	5,4	-
Heating (Colder)(-22°C)	Pdesignh	6,3	kW	Heating (Colder)(-22°C)	SCOP (C)	3,4	-
<b>Declared capacity (*) for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj</b>				<b>Declared Energy efficiency ratio (*) for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj</b>			
Tj = 35°C	Pdc	7,11	kW	Tj = 35°C	EERd	3,58	-
Tj = 30°C	Pdc	5,06	kW	Tj = 30°C	EERd	5,29	-
Tj = 25°C	Pdc	3,33	kW	Tj = 25°C	EERd	8,46	-
Tj = 20°C	Pdc	2,79	kW	Tj = 20°C	EERd	12,42	-
<b>Declared capacity (*) for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj</b>				<b>Declared Coefficient of Performance (*) for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj = -7°C	Pdh	4,71	kW	Tj = -7°C	COPd	2,85	-
Tj = 2°C	Pdh	2,93	kW	Tj = 2°C	COPd	4,07	-
Tj = 7°C	Pdh	1,85	kW	Tj = 7°C	COPd	5,53	-
Tj = 12°C	Pdh	2,28	kW	Tj = 12°C	COPd	6,81	-
Tj = bivalent temperature	Pdh	5,66	kW	Tj = bivalent temperature	COPd	2,01	-
Tj = operating limit temperature	Pdh	5,66	kW	Tj = operating limit temperature	COPd	2,01	-
<b>Declared capacity (*) for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj</b>				<b>Declared Coefficient of Performance (*) for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj = 2°C	Pdh	5,71	kW	Tj = 2°C	COPd	2,69	-
Tj = 7°C	Pdh	3,6	kW	Tj = 7°C	COPd	5,17	-
Tj = 12°C	Pdh	2,28	kW	Tj = 12°C	COPd	6,81	-
Tj = bivalent temperature	Pdh	5,71	kW	Tj = bivalent temperature	COPd	2,69	-
Tj = operating limit temperature	Pdh	5,71	kW	Tj = operating limit temperature	COPd	2,69	-
<b>Declared capacity (*) for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj</b>				<b>Declared Coefficient of Performance (*) for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj</b>			
Tj = -7°C	Pdh	3,73	kW	Tj = -7°C	COPd	2,93	-
Tj = 2°C	Pdh	2,26	kW	Tj = 2°C	COPd	4,13	-
Tj = 7°C	Pdh	1,85	kW	Tj = 7°C	COPd	5,53	-
Tj = 12°C	Pdh	2,28	kW	Tj = 12°C	COPd	6,81	-
Tj = bivalent temperature	Pdh	4,83	kW	Tj = bivalent temperature	COPd	1,82	-
Tj = operating limit temperature	Pdh	5,20	kW	Tj = operating limit temperature	COPd	1,86	-
Tj = -15°C	Pdh	-	kW	Tj = -15°C	COPd	-	-
<b>Bivalent temperature</b>				<b>Operating limit temperature</b>			
Heating (Average)	Tbiv	-10	°C	Heating (Average)	Tol	-10	°C
Heating (Warmer)	Tbiv	2	°C	Heating (Warmer)	Tol	2	°C
Heating (Colder)	Tbiv	-15	°C	Heating (Colder)	Tol	-20	°C
<b>Power consumption of cycling</b>				<b>Efficiency of cycling</b>			
Cooling	Pcycc	na	kW	Cooling	EERcyc	na	-
Heating	Pcyh	na	kW	Heating	COPcyc	na	-
Degradation coefficient cooling(**)	Cdc	0,25	-	Degradation coefficient heating(**)	Cdh	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>	0,00509	W	Cooling	Q <sub>CE</sub>	355	kWh/a
Standby mode	P <sub>SB</sub>	0,00509	W	Heating (Average)(-10°C)	Q <sub>HE/A</sub>	1867	kWh/a
Thermostat-off mode	P <sub>TO</sub>	0,00211/0,01388	W	Heating (Warmer)(+2°C)	Q <sub>HE/W</sub>	1478	kWh/a
Crankcase heater mode	P <sub>CK</sub>	0	W	Heating (Colder)(-22°C)	Q <sub>HE/C</sub>	3891	kWh/a
<b>Capacity control type</b>				<b>Other items</b>			
Fixed		N		Sound power level (indoor/outdoor)	L <sub>WA</sub>	64/70	dB(A)
Staged		N		Refrigerant type		R32	
Variable		Y		Global warming potential	GWP	675	KgCO <sub>2</sub> eq.
				Rated air flow (indoor/outdoor)		1250/3600	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:** X3I ECO PLUS 70 SH / X3I ECO PLUS 70 HL WF

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

**Sound power level (indoor unit / outdoor unit):** 64 / 70 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:** 7,0

**Energy efficiency class:** A++

**Pdesignc:** 7,1 kW

Annual electricity consumption 355 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:** Warmer / Average / Colder

**SCOP:** 5,4 / 4,2 / 3,4

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

**Pdesignh:** 5,7 / 5,6 / 6,3 Kw

**Declared capacity:** 5,7 / 5,6 / 0 kW

The back up heating capacity for SCOP calculation: **0 / 0 / 6,3 kW.**

Annual electricity consumption **1478 / 1867 / 3891** kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.