



## 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 52 SH / X3I ECO PLUS 52 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)		na	
				Heating (Colder)(-22°C)		na	
Item	symbol	value	unit	Item	symbol	value	unit
<b>Design load</b>				<b>Seasonal efficiency</b>			
Cooling	P <sub>designc</sub>	5,2	kW	Cooling	SEER	7,0	-
Heating (Average)(-10°C)	P <sub>designh</sub>	4,2	kW	Heating (Average)(-10°C)	SCOP (A)	4,0	-
Heating (Warmer)(+2°C)	P <sub>designh</sub>	4,3	kW	Heating (Warmer)(+2°C)	SCOP (W)	5,1	-
Heating (Colder)(-22°C)	P <sub>designh</sub>	5,00	kW	Heating (Colder)(-22°C)	SCOP (C)	3,4	-
<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>	5,29	kW	T <sub>j</sub> = 35°C	EER <sub>d</sub>	3,39	-
T <sub>j</sub> = 30°C	P <sub>dc</sub>	3,83	kW	T <sub>j</sub> = 30°C	EER <sub>d</sub>	5,61	-
T <sub>j</sub> = 25°C	P <sub>dc</sub>	2,46	kW	T <sub>j</sub> = 25°C	EER <sub>d</sub>	8,13	-
T <sub>j</sub> = 20°C	P <sub>dc</sub>	1,58	kW	T <sub>j</sub> = 20°C	EER <sub>d</sub>	12,76	-
<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>	3,83	kW	T <sub>j</sub> = -7°C	COP <sub>d</sub>	2,80	-
T <sub>j</sub> = 2°C	P <sub>dh</sub>	2,26	kW	T <sub>j</sub> = 2°C	COP <sub>d</sub>	4,01	-
T <sub>j</sub> = 7°C	P <sub>dh</sub>	1,49	kW	T <sub>j</sub> = 7°C	COP <sub>d</sub>	5,00	-
T <sub>j</sub> = 12°C	P <sub>dh</sub>	1,22	kW	T <sub>j</sub> = 12°C	COP <sub>d</sub>	5,28	-
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	3,83	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2,80	-
T <sub>j</sub> = operating limit temperature	P <sub>dh</sub>	3,40	kW	T <sub>j</sub> = operating limit temperature	COP <sub>d</sub>	2,55	-
<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>	4,42	kW	T <sub>j</sub> = 2°C	COP <sub>d</sub>	3,38	-
T <sub>j</sub> = 7°C	P <sub>dh</sub>	2,77	kW	T <sub>j</sub> = 7°C	COP <sub>d</sub>	5,1	-
T <sub>j</sub> = 12°C	P <sub>dh</sub>	1,57	kW	T <sub>j</sub> = 12°C	COP <sub>d</sub>	5,85	-
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	4,42	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	3,37	-
T <sub>j</sub> = operating limit temperature	P <sub>dh</sub>	4,42	kW	T <sub>j</sub> = operating limit temperature	COP <sub>d</sub>	3,37	-
<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>	3,17	kW	T <sub>j</sub> = -7°C	COP <sub>d</sub>	3,11	-
T <sub>j</sub> = 2°C	P <sub>dh</sub>	1,85	kW	T <sub>j</sub> = 2°C	COP <sub>d</sub>	4,31	-
T <sub>j</sub> = 7°C	P <sub>dh</sub>	1,20	kW	T <sub>j</sub> = 7°C	COP <sub>d</sub>	4,63	-
T <sub>j</sub> = 12°C	P <sub>dh</sub>	1,22	kW	T <sub>j</sub> = 12°C	COP <sub>d</sub>	5,46	-
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	4,12	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	1,81	-
T <sub>j</sub> = operating limit temperature	P <sub>dh</sub>	2,49	kW	T <sub>j</sub> = operating limit temperature	COP <sub>d</sub>	1,31	-
T <sub>j</sub> = -15°C	P <sub>dh</sub>	-	kW	T <sub>j</sub> = -15°C	COP <sub>d</sub>	-	-
<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>	-15	°C	Heating (Colder)	T <sub>ol</sub>	-20	°C
<b>Power consumption of cycling</b>				<b>Efficiency of cycling</b>			
Cooling	P <sub>cycc</sub>	na	kW	Cooling	EER <sub>cyc</sub>	na	-
Heating	P <sub>cych</sub>	na	kW	Heating	COP <sub>cyc</sub>	na	-
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>	0,00495	W	Cooling	Q <sub>CE</sub>	260	kWh/a
Standby mode	P <sub>SB</sub>	0,00495	W	Heating (Average)(-10°C)	Q <sub>HE/A</sub>	1470	kWh/a
Thermostat-off mode	P <sub>TO</sub>	0,002991	W	Heating (Warmer)(+2°C)	Q <sub>HE/W</sub>	1180	kWh/a
		6/ 0,017193 4					
Crankcase heater mode	P <sub>CK</sub>	0,00000	W	Heating (Colder)(-22°C)	Q <sub>HE/C</sub>	3088	kWh/a
<b>Capacity control type</b>				<b>Other items</b>			
Fixed		N		Sound power level (indoor/outdoor)	L <sub>WA</sub>	59/64	dB(A)
Staged		N		Refrigerant type		R32	
Variable		Y		Global warming potential	GWP	675	KgCO <sub>2</sub> eq.
				Rated air flow (indoor/outdoor)		800/3200	m <sup>3</sup> /h
For more detailed information				<b>ARGOCLIMA SPA - Via A. Varo,35 - Alfianello (BS) - ITALY - www.argoclima.com</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 52 SH / X3I ECO PLUS 52 HL WF

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

**Sound power level (indoor unit / outdoor unit):** 59 / 64 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:** 5.2 kW

Annual electricity consumption 260 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/ 3,4

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

**Pdesignh:** 4,2/4,3/5,0 kW

The back up heating capacity for SCOP calculation: 0,3/0/0,8 kW.

Annual electricity consumption **1470/1180/3088** kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.