



## 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 35 SH / X3I ECO PLUS 35 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>	3.5	kW	Cooling	SEER	7.0	-
Heating (Average)(-10°C)	P <sub>designh</sub>	3.0	kW	Heating (Average)(-10°C)	SCOP (A)	4.0	-
Heating (Warmer)(+2°C)	P <sub>designh</sub>	3.5	kW	Heating (Warmer)(+2°C)	SCOP (W)	5.1	-
Heating (Colder)(-22°C)	P <sub>designh</sub>	4.5	kW	Heating (Colder)(-22°C)	SCOP (C)	3.2	-
<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>	3.52	kW	T <sub>j</sub> = 35°C	EER <sub>d</sub>	3.46	-
T <sub>j</sub> = 30°C	P <sub>dc</sub>	2.52	kW	T <sub>j</sub> = 30°C	EER <sub>d</sub>	5.26	-
T <sub>j</sub> = 25°C	P <sub>dc</sub>	1.60	kW	T <sub>j</sub> = 25°C	EER <sub>d</sub>	8.55	-
T <sub>j</sub> = 20°C	P <sub>dc</sub>	0.90	kW	T <sub>j</sub> = 20°C	EER <sub>d</sub>	12.28	-
<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>	2.76	kW	T <sub>j</sub> = -7°C	COP <sub>d</sub>	2.70	-
T <sub>j</sub> = 2°C	P <sub>dh</sub>	1.67	kW	T <sub>j</sub> = 2°C	COP <sub>d</sub>	4.08	-
T <sub>j</sub> = 7°C	P <sub>dh</sub>	1.09	kW	T <sub>j</sub> = 7°C	COP <sub>d</sub>	5.01	-
T <sub>j</sub> = 12°C	P <sub>dh</sub>	1.11	kW	T <sub>j</sub> = 12°C	COP <sub>d</sub>	6.20	-
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	3.07	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.10	-
T <sub>j</sub> = operating limit temperature	P <sub>dh</sub>	3.07	kW	T <sub>j</sub> = operating limit temperature	COP <sub>d</sub>	2.10	-
<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>	3.67	kW	T <sub>j</sub> = 2°C	COP <sub>d</sub>	2.55	-
T <sub>j</sub> = 7°C	P <sub>dh</sub>	2.25	kW	T <sub>j</sub> = 7°C	COP <sub>d</sub>	4.98	-
T <sub>j</sub> = 12°C	P <sub>dh</sub>	1.11	kW	T <sub>j</sub> = 12°C	COP <sub>d</sub>	6.21	-
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	3.28	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.57	-
T <sub>j</sub> = operating limit temperature	P <sub>dh</sub>	3.67	kW	T <sub>j</sub> = operating limit temperature	COP <sub>d</sub>	2.55	-
<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>	2.76	kW	T <sub>j</sub> = -7°C	COP <sub>d</sub>	2.70	-
T <sub>j</sub> = 2°C	P <sub>dh</sub>	1.67	kW	T <sub>j</sub> = 2°C	COP <sub>d</sub>	4.12	-
T <sub>j</sub> = 7°C	P <sub>dh</sub>	1.09	kW	T <sub>j</sub> = 7°C	COP <sub>d</sub>	5.16	-
T <sub>j</sub> = 12°C	P <sub>dh</sub>	1.11	kW	T <sub>j</sub> = 12°C	COP <sub>d</sub>	6.20	-
T <sub>j</sub> = bivalent temperature	P <sub>dh</sub>	3.06	kW	T <sub>j</sub> = bivalent temperature	COP <sub>d</sub>	2.16	-
T <sub>j</sub> = operating limit temperature	P <sub>dh</sub>	1.93	kW	T <sub>j</sub> = operating limit temperature	COP <sub>d</sub>	1.52	-
T <sub>j</sub> = -15°C	P <sub>dh</sub>	3.14	kW	T <sub>j</sub> = -15°C	COP <sub>d</sub>	1.89	-
<b>Bivalent temperature</b>				<b>Operating limit temperature</b>			
Heating (Average)	T <sub>biv</sub>	-10	°C	Heating (Average)	T <sub>ol</sub>	-10	°C
Heating (Warmer)	T <sub>biv</sub>	3	°C	Heating (Warmer)	T <sub>ol</sub>	2	°C
Heating (Colder)	T <sub>biv</sub>	-9	°C	Heating (Colder)	T <sub>ol</sub>	-22	°C
<b>Power consumption of cycling</b>				<b>Efficiency of cycling</b>			
Cooling	P <sub>cyc</sub>	na	kW	Cooling	EER <sub>cyc</sub>	na	-
Heating	P <sub>ych</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>	0,00347	W	Cooling	Q <sub>CE</sub>	175	kWh/a
Standby mode	P <sub>SB</sub>	0,00347	W	Heating (Average)(-10°C)	Q <sub>HE/A</sub>	1050	kWh/a
Thermostat-off mode	P <sub>TO</sub>	0,0014-0,00930	W	Heating (Warmer)(+2°C)	Q <sub>HE/W</sub>	961	kWh/a
Crankcase heater mode	P <sub>CK</sub>	0,00	W	Heating (Colder)(-22°C)	Q <sub>HE/C</sub>	2953	kWh/a
<b>Capacity control type</b>				<b>Other items</b>			
Fixed		N		Sound power level (indoor/outdoor)	L <sub>WA</sub>	57/62	dB(A)
Staged		N		Refrigerant type		R32	
Variable		Y		Global warming potential	GWP	675	KgCO <sub>2</sub> eq.
				Rated air flow (indoor/outdoor)		680/2200	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 35 SH / X3I ECO PLUS 35 HL WF

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

**Sound power level (indoor unit / outdoor unit):** 57 / 62 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:** 3.5 kW

Annual electricity consumption 175 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:** 4,0/5,1/3,2

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

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

The back up heating capacity for SCOP calculation: **0/-/2,0 kW.**

Annual electricity consumption **1050/961/2953** kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.