



INFORMATION SHEET FOR AIR CONDITIONERS, EXCEPT DOUBLE DUCTS AND SINGLE DUCTS⁽⁵⁾

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 : X3MI ECO 80SH / (X3I ECO PLUS 27 HL WF x 4)

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	value	unit	Item	symbol	value	unit
Design load				Seasonal efficiency			
Cooling	P _{designc}	8.0	kW	Cooling	SEER	6.1	-
Heating (Average)(-10°C)	P _{designh}	7.2	kW	Heating (Average)(-10°C)	SCOP (A)	4.0	-
Heating (Warmer)(+2°C)	P _{designh}	na	kW	Heating (Warmer)(+2°C)	SCOP (W)	na	-
Heating (Colder)(-22°C)	P _{designh}	na	kW	Heating (Colder)(-22°C)	SCOP (C)	na	-
Declared capacity (*) for cooling, at indoor temperature 27(19)°C and outdoor temperature T_j				Declared Energy efficiency ratio (*) for cooling, at indoor temperature 27(19)°C and outdoor temperature T_j			
T _j = 35°C	P _{dc}	8.08	kW	T _j = 35°C	EERd	3.30	-
T _j = 30°C	P _{dc}	5.93	kW	T _j = 30°C	EERd	4.95	-
T _j = 25°C	P _{dc}	3.90	kW	T _j = 25°C	EERd	7.62	-
T _j = 20°C	P _{dc}	3.26	kW	T _j = 20°C	EERd	10.88	-
Declared capacity (*) for heating / Average season, at indoor temperature 20°C and outdoor temperature T_j				Declared Coefficient of Performance (*) for heating / Average season, at indoor temperature 20°C and outdoor temperature T_j			
T _j = -7°C	P _{dh}	6.41	kW	T _j = -7°C	COPd	2.65	-
T _j = 2°C	P _{dh}	3.89	kW	T _j = 2°C	COPd	4.02	-
T _j = 7°C	P _{dh}	2.62	kW	T _j = 7°C	COPd	5.13	-
T _j = 12°C	P _{dh}	2.09	kW	T _j = 12°C	COPd	5.80	-
T _j = bivalent temperature	P _{dh}	5.86	kW	T _j = bivalent temperature	COPd	2.13	-
T _j = operating limit temperature	P _{dh}	6.41	kW	T _j = operating limit temperature	COPd	2.65	-
Declared capacity (*) for heating / Warmer season, at indoor temperature 20°C and outdoor temperature T_j				Declared Coefficient of Performance (*) for heating / Warmer season, at indoor temperature 20°C and outdoor temperature T_j			
T _j = 2°C	P _{dh}	na	kW	T _j = 2°C	COPd	na	-
T _j = 7°C	P _{dh}	na	kW	T _j = 7°C	COPd	na	-
T _j = 12°C	P _{dh}	na	kW	T _j = 12°C	COPd	na	-
T _j = bivalent temperature	P _{dh}	na	kW	T _j = bivalent temperature	COPd	na	-
T _j = operating limit temperature	P _{dh}	na	kW	T _j = operating limit temperature	COPd	na	-
Declared capacity (*) for heating / Colder season, at indoor temperature 20°C and outdoor temperature T_j				Declared Coefficient of Performance (*) for heating / Colder season, at indoor temperature 20°C and outdoor temperature T_j			
T _j = -7°C	P _{dh}	na	kW	T _j = -7°C	COPd	na	-
T _j = 2°C	P _{dh}	na	kW	T _j = 2°C	COPd	na	-
T _j = 7°C	P _{dh}	na	kW	T _j = 7°C	COPd	na	-
T _j = 12°C	P _{dh}	na	kW	T _j = 12°C	COPd	na	-
T _j = bivalent temperature	P _{dh}	na	kW	T _j = bivalent temperature	COPd	na	-
T _j = operating limit temperature	P _{dh}	na	kW	T _j = operating limit temperature	COPd	na	-
T _j = -15°C	P _{dh}	na	kW	T _j = -15°C	COPd	na	-
Bivalent temperature				Operating limit temperature			
Heating (Average)	T _{biv}	-7	°C	Heating (Average)	T _{ol}	-10	°C
Heating (Warmer)	T _{biv}	na	°C	Heating (Warmer)	T _{ol}	na	°C
Heating (Colder)	T _{biv}	na	°C	Heating (Colder)	T _{ol}	na	°C
Power consumption of cycling				Efficiency of cycling			
Cooling	P _{cycc}	na	kW	Cooling	EER _{cycc}	na	-
Heating	P _{cych}	na	kW	Heating	COP _{cycc}	na	-
Degradation coefficient cooling(**)	C _{dc}	na	-	Degradation coefficient heating(**)	C _{dh}	na	-
Electric power input in power modes other than "active mode"				Seasonal electricity consumption			
Off mode	P _{OFF}	0.0063	W	Cooling	Q _{CE}	459	kWh/a
Standby mode	P _{SB}	0.0063	W	Heating (Average)(-10°C)	Q _{HE/A}	2520	kWh/a
Thermostat-off mode	P _{TO}	0.01446/0.01225	W	Heating (Warmer)(+2°C)	Q _{HE/W}	na	kWh/a
Crankcase heater mode	P _{CK}	0	W	Heating (Colder)(-22°C)	Q _{HE/C}	na	kWh/a
Capacity control type				Other items			
Fixed		N		Sound power level (indoor/outdoor)	L _{WA}	55/68	dB(A)
Staged		N		Refrigerant type		R32	
Variable		Y		Global warming potential	GWP	675	KgCO ₂ eq.
				Rated air flow (indoor/outdoor)		560/4000	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 : X3MI ECO 80SH / (X3I ECO PLUS 27 HL WF x 4)

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

Sound power level (indoor unit / outdoor unit): 55 / 68 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 CO₂, 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: 8.0 kW

Annual electricity consumption **459 kWh** per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

Modalità Riscaldamento

Climate type: Average

SCOP: 4.0

Energy efficiency class: A+

Pdesignh: 7.2 kW

The back up heating capacity for SCOP calculation: 0.5 kW.

Annual electricity consumption **2520 kWh** per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.