



#27660

# **X3 residential and commercial** air conditioning

product catalogue

# X3 ECO PLUS

single and multisplit air conditioners  
DC Inverter R32

# high-wall

single split air conditioners

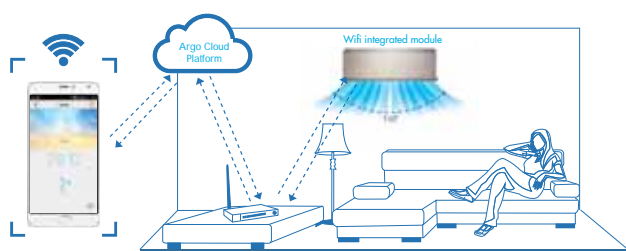


(Standard)  
Infrared remote control



(Optional)  
Wired controller

## long distance WiFi



You can control your home comfort when and where you desire.

## energy class

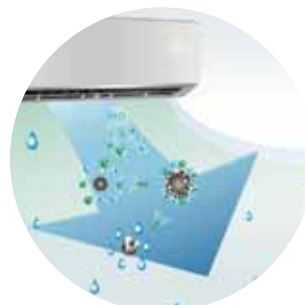
- A<sup>++</sup>** Cooling
- A<sup>+</sup>** Heating (average season)
- A<sup>+++</sup>** Heating (warmer season)

## iFeel function



The sensor inside the remote control perceives the temperature in the environment and transmits the signal to the indoor unit. Thus the indoor unit can adjust air flow volume and temperature to grant the comfort exactly where the remote control is placed.

## air purification system



It grants effective sterilization of air removing over 90% of bacteria. It removes odors. The air quality is improved thanks to the emission of many negative oxygen ions.

## intelligent auto restart



After power failure, the unit automatically restarts keeping last function settings. (Memory function)

## soft start



The startup energy consumption is reduced to lower not to interfere with the use of the other appliances.



# high-wall

## single split air conditioners technical data

MODEL		X3I ECO PLUS 27		X3I ECO PLUS 35	
Indoor unit		X3I ECO PLUS 27 HL WF		X3I ECO PLUS 35 HL WF	
Outdoor unit		X3I ECO PLUS 27 SH		X3I ECO PLUS 35 SH	
	Units	Cooling	Heating	Cooling	Heating
Nominal capacity (min.-max.) (EN14511)	kW	2,7 (0,45-3,5)	2,9 (0,6-3,5)	3,5 (0,9-3,9)	3,67 (0,9-4,5)
	BTU/h	9200	9600	12000	12600
EER/COP (EN14511)		3,29	3,71	3,23	3,71
Design Load (Pdesign c/ Pdesign h) (average/Warmer/Colder) (EN14825)*	kW	2,7	2,6/2,8/2,27	3,5	3,0/3,5/4,5
Seasonal efficiency ratio (SEER / SCOP (Average/Warmer/Colder) (EN14825)*		6,8	4,0/5,1/3,2	7,0	4,0/5,1/3,2
Energy efficiency class*		A++	A+/A+++/B	A++	A+/A+++/B
Annual energy consumption C/H (Average/Warmer/Colder)*	kWh/annum	149	910/769/1772	201	1050/961/2953
Air flowrate indoor (sh.-h.-mh.-m.-ml.-l.-sl.)	m <sup>3</sup> /h	560-490-460-430-380-330-290		680-620-560-490-450-420-390	
Dehumidification	l/h	0,8		1,4	
Fan speeds (Indoor/Outdoor)	n°	7/2		7/2	
Sound pressure Indoor (sh.-h.-mh.-m.-ml.-l.-sl.)	dB(A)	41-37-35-32-29-26-24		42-38-36-34-32-29-26	
Sound pressure Outdoor (h.)	dB(A)	50		52	
Sound power Indoor (sh.-h.-mh.-m.-ml.-l.-sl.)	dB(A)	55-48-46-44-40-37-35		57-50-48-46-44-41-38	
Sound power Outdoor (h.)	dB(A)	59		62	
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50	
Power input nominal (min.-max)	kW	0,82 (0,09-1,4)	0,75 (0,16-1,5)	1,085 (0,22-1,45)	0,990 (0,22-1,5)
Compressor type		Rotary DC Inverter		Rotary DC Inverter	
Refrigerant type/GWP		R32/675		R32/675	
Refrigerant charge	kg/T.CO <sub>2</sub> eq.	0,55/0,371		0,7/0,473	
Liquid pipe diameter	mm (")	6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (")	9,52 (3/8")		9,52 (3/8")	
Min.-max. pipe lenght with gas standard charge	m	3-5		3-5	
Max. pipe lenght	m	15		20	
Additional refrigerant charge	g/m	16		16	
Max. height between units (Outdoor on top)	m	10		10	
Max. height between units (indoor on top)	m	10		10	
Net dimension Indoor (H./W./D.)	mm	275/790/200		289/845/209	
Net dimension Outdoor (H./W./D.)	mm	540/776/320		596/848/320	
Net weight Indoor/Outdoor	Kg	9/27,5		10,5/31	

OPERATING RANGE: outdoor temperature  
Cooling mode: from -15°C to +43°C  
Heating mode: from -15°C to +24°C

\*Data declared in compliance with EU Regulation no. 206/2012, as regards to Ecodesign requirements for air conditioners and comfort fans, and EU Regulation no. 626/2011, concerning the energy labelling of air conditioners, and tested according to standard EN14825.



MODEL		X3I ECO PLUS 52		X3I ECO PLUS 70	
Indoor unit		X3I ECO PLUS 52 HL WF		X3I ECO PLUS 70 HL WF	
Outdoor unit		X3I ECO PLUS 52 SH		X3I ECO PLUS 70 SH	
	Units	Cooling	Heating	Cooling	Heating
Nominal capacity (min.-max.) (EN14511)	kW	5,13 (1,26-6,6)	5,28 (1,2-6,6)	7,00 (1,9-8,85)	3,67 (0,9-4,5)
	BTU/h	17800	18000	24000	12600
EER/COP (EN14511)		3,40	3,72	3,68	3,71
Design Load (Pdesign c/ Pdesign h) (average/Warmer/Colder) (EN14825)*	kW	5,2	4,2/4,3/5,0	7,0	3,0/3,5/4,5
Seasonal efficiency ratio (SEER / SCOP (Average/Warmer/Colder) (EN14825)*		6,1	4,0/5,1/3,4	6,5	4,0/5,1/3,2
Energy efficiency class*		A++	A+/A+++/A	A++	A+/A+++/B
Annual energy consumption C/H (Average/Warmer/Colder)*	kWh/annum	260	1470/1180/3088	377	1050/961/2953
Air flowrate indoor (sh.-h.-mh.-m.-ml.-l.-sl.)	m <sup>3</sup> /h	800-720-650-610-570-520-470		1250-1100-1000-950-900-850-750	
Dehumidification	l/h	1,8		2,4	
Fan speeds (Indoor/Outdoor)	n°	7/2		7/2	
Sound pressure Indoor (sh.-h.-mh.-m.-ml.-l.-sl.)	dB(A)	45-43-41-38-35-34-31		48-45-42-39-37-36-33	
Sound pressure Outdoor (h.)	dB(A)	57		58	
Sound power Indoor (sh.-h.-mh.-m.-ml.-l.-sl.)	dB(A)	59-57-55-52-49-48-45		63-60-57-54-52-51-48	
Sound power Outdoor (h.)	dB(A)	64		68	
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50	
Power input nominal (min.-max)	kW	1,528 (0,38-2,45)	1,41 (0,35-2,6)	1,90 (0,43-3,1)	1,897 (0,43-3,75)
Compressor type		Rotary DC Inverter		Rotary DC Inverter	
Refrigerant type/GWP		R32		R32	
Refrigerant charge	kg/T.CO <sub>2</sub> eq.	1,0/0,675		1,7/1,148	
Liquid pipe diameter	mm (")	6,35 (1/4")		6,35 (1/4")	
Gas pipe diameter	mm (")	12,7 (1/2")		15,88 (5/8")	
Min.-max. pipe lenght with gas standard charge	m	3-5		3-5	
Max. pipe lenght	m	25		25	
Additional refrigerant charge	g/m	16		40	
Max. height between units (Outdoor on top)	m	10		10	
Max. height between units (indoor on top)	m	10		10	
Net dimension Indoor (H./W./D.)	mm	300/970/224		325/1078/246	
Net dimension Outdoor (H./W./D.)	mm	700/965/396		700/963/396	
Net weight Indoor/Outdoor	Kg	13,5/45		16,5/53,5	

OPERATING RANGE: outdoor temperature  
 Cooling mode: from -15°C to +43°C  
 Heating mode: from -15°C to +24°C

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Argo is a brand of argoclima S.p.A., a leading European company in air conditioning, heating and air treatment.