Made in Italy

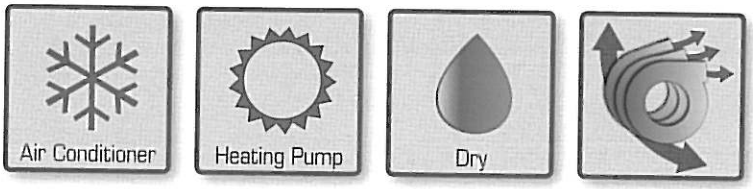
Compact, classic, elegant and safe

Argo A7 is an excellent FULL DC Inverter air conditioner, built by high quality materials, characterized by soft aesthetic lines that highlight its compactness despite the simplicity of the forms. The design ensures an easy installation and the full compliance with EN60335 safety standard allows you to install the unit even at any height on the wall.

Active carbon filter system

The active carbon filters allow to remove smells and dust from the air, granting a more healthy and pleasant ambient.

4 in 1: cooling, heating, dehumidifier, ventilation



A7 is a four operation modes air conditioner. You can select by remote control whatever you like or leave to the microprocessor the automatic management of the unit.

Enjoy the silence

A7 has an acoustic noise close to the minimum perception level by humans; thanks to the FULL DC Inverter technology, we have the control of the compressor and fan speed together, reaching the best performance both for capacity and noise level. Close to the setpoint the indoor unit sound pressure is just over 20 dB(A).

FULL DC Inverter technology – SVPWM 180°

A7 is a heat pump air conditioner based on FULL DC Inverter technology controlling:

- *compressor capacity*
- *fan speed*
- *refrigerant flow*

Not only the compressor, like many other DC Inverter models, but all the system modulation grants the maximum comfort with the widest range of indoor and outdoor operating conditions. The SVPWM180° modulation provides the maximum energy efficiency managing sine wave current for all 360° rotation of the synchronous permanent magnets motors used for the compressor and fan.

From 10°C to 32°C: temperature regulation for every need

The air conditioners usually regulate the temperature from 16°C to 30°C. A7 is able to adjust the temperature from 10°C to 32°C both in cooling and heating mode. 10°C in heating mode is an exclusive facility; this anti-freeze feature is typically required in holiday house, bungalows, loft, offices...

Progressive Cooling to enjoy your fresh in the softness way

A7 takes care of your health. Its "progressive cooling" gradually decreases the temperature since the start up (in cooling mode) without generating strong and cold draughts. In heating mode, on the contrary, A7 starts working at the maximum of its performances to reach the desired temperature as soon as possible.

High Power: turbo feature cooling or heating

By selecting "High Power" function on the remote control, A7 can provide its maximum performance (130% of its nominal capacity) in order to achieve the desired temperature in the shorter time.

Ready for Domotics systems connection

A7 is preset for connection to building automation control systems, both in domotics and commercial applications.

A7, fully complying with European standards

A7 is an ozone friendly air conditioner as uses R410A refrigerant that does not contain chlorine, avoiding damages to the ozone layer, important protection from solar radiations. Moreover, A7 is fully compliant with every other EU standard as WEEE, RoHS, CE, EMI, EMF...

Stand by? Just 1 Watt!

Reducing the household appliances consumption in stand by mode, we can improve the quality of our life. A7 is already one step into the future as the electrical consumption in stand by mode is around 1 Watt.

Technical Data

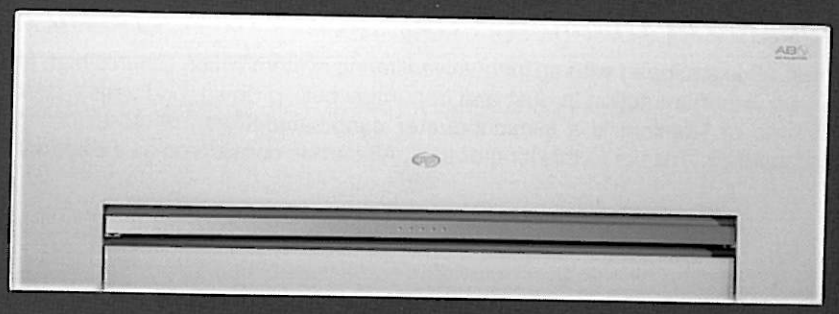
PRODUCT NAME		**AWI726H**		**AWI735H**	
Indoor unit		AWI726HL		AWI735HL	
Outdoor unit		AEI726SH		AEI735SH	
Features	Units	Cooling	Heating	Cooling	Heating
Cooling/Heating capacity	kW	2,85	3,24	3,50	3,85
Energy label class	ABCDEFG	A	A	A	A
E.E.R.	(kW/kW)	3,65	4,10	3,31	3,81
Air flowrate Indoor (h.-m.-l.)	m^3/h	450-400-370		470-430-390	
Dehumidification	l/h	1,2	-	1,5	-
Fan speeds (Indoor / Outdoor)	n°	4/auto		4/auto	
Sound pressure Indoor (h.-m.-l.-sl.)	dB(A)	39-36-29-23		39-36-29-23	
Sound pressure Outdoor (max.)	dB(A)	37		40	
Power supply	V/Ph/Hz	230/1/50		230/1/50	
Power input	kW	0,78	0,79	1,055	1,01
Annual energy cons.- cooling mode (500h) - Directive 2002/31/CE	kWh	390	-	527,5	-
Compressor type		Rotary		Rotary	
Refrigerant type		R410A		R410A	
Liquid pipe diameter	mm(inch")	6,35(1/4")		6,35(1/4")	
Gas pipe diameter	mm(inch")	9,52(3/8")		9,52(3/8")	
Max. pipe lenght with gas standard charge	m	7,5		7,5	
Max. pipe lenght with gas additional charge	m	15		15	
Gas additional charge	gr/m	15		15	
Max. height between units (Outdoor on top)	m	7		7	
Max. height between units (Indoor on top)	m	7		7	
Net weight Indoor / Outdoor	Kg	8/35		8/35	
Net dimension Indoor (H./W./D.)	mm	270x805x214		270x805x214	
Net dimension Outdoor (H./W./D.)	mm	540x700x265		540x700x265	

The technical data here indicated are in compliance with the European standard EN14511 - Directive 2002/31/EC

argo

improve your life

white



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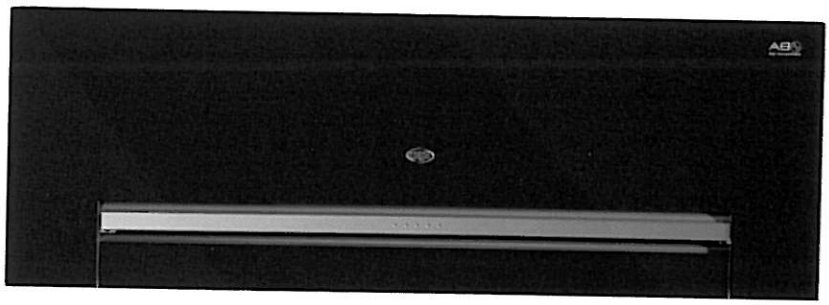


Argo A8, the FULL DC Inverter as part of furniture

Argo A8 is an excellent FULL DC Inverter air conditioner designed to be a real part of furnishings. Built by high quality and innovative materials, carefully refined, smart look, fashion colours, making both look & feel a bit special.

First-class, two colours front panel

The front panel is made of a special material satin white or glossy dark. These two colours have been selected after careful studies in order to grant maximum fitting to every kind of style and furnishings. A "light stroke" outlining the white satin panel gives a relaxing feeling. The dark version, built with totally different material, enhances the carbon texture and with its 2mm thickness transparent edge "lights" the unit in any environment. The panel is treated with antistatic material able to limit dust deposit and keeping the unit clean longer. The front panel remain in a fixed position during normal operation, giving to the unit maximum smoothness and reliability.

ABS lapped body machine

The whole body of the indoor unit is ABS made. ABS (Acrylonitrile Butadiene Styrene) is a plastic precious material treated to obtain a lapped surface which gives the typical look of porcelain and design objects. ABS is used instead of Polystyrene (more popular in household appliances) as its aesthetic and mechanical features allow to achieve a hi-finishing feeling.

White and steely blue MicroLeds

Five SMD/SMT technology MicroLeds are built in a very shining metallic and glassy bar. White and steely blue colouring confers to the unit a technological and smooth aesthetic design. A special function on the remote control allows you to disable MicroLeds when needed (for example during the night).

Two nominal capacities

A8 can be connected to three type of outdoor units: Series 7, Series 7N and Series 8. The FULL DC Inverter system modulates the cooling and heating capacities from less than 1.000 Watts to more than 4.500 Watts. When matched with Series 8 outdoor unit, A8 reaches COP up to 5, a much higher efficiency than the level required by the European regulation for the AA Class.

Series 7/7N

Series 8

High quality metal housing outdoor units

A8 outdoor units are pre-treated to improve the strength of the polyester powders painting, 300 hours resistant in salt fog (which means no rust for 20 years in normal environmental conditions). The grille of the outdoor units is made of sunlight highly resistant plastic, with aerodynamic contour in order to muffle the noise of the outdoor fan. The compressor is totally insulated with special deadening material giving maximum stillness also when operating at the top of R.P.M.

From 10°C to 32°C: temperature regulation for every need

The air conditioners usually regulate the temperature from 16°C to 30°C. A8 is able to adjust the temperature from 10°C to 32°C both in cooling and heating mode. 10°C in heating mode is an exclusive facility; this anti-freeze feature is typically required in holiday house, bungalows, loft, offices...

No stop operation during defrost*

Thanks to the special electronic control system, A8 is able to defrost in a "no stop operation" mode avoiding the inlet of cool air inside the room.

- 15°C in cooling and heating operation modes*

A8 runs when the other air conditioners stop. Even when the outside temperature is –15°C, A8 runs both in cooling and heating thanks to special hardware and software controls. The anti-freeze protections on the compressor and on the bottom plate of the outdoor unit are controlled by a microprocessor system, become operating only if needed without affecting the EER/COP.

Digital bus communication and dual power supply

The units are connected by a simple digital bus using two shielded wires, typically used in fan coils, VRF, chillers... this serial communication interface allows to transmit a large amount of information. A8 has a dual power supply feature, granting to supply the power from the indoor unit or indoor and outdoor independently.

* Valid for outdoor units Series 7N and Series 8

A8, fully complying with European standards

A8 is an ozone friendly air conditioner as uses R410A refrigerant that does not contain chlorine, avoiding damages to the ozone layer, important protection from solar radiations. Moreover, A8 is fully compliant with every other EU standard as WEEE, RoHS, CE, EMI, EMF...

Stand by? Just 1 Watt!

Reducing the household appliances consumption in stand by mode, we can improve the quality of our life. A8 is already one step into the future as the electrical consumption in stand by mode is around 1 Watt.

Technical Data

PRODUCT NAME		AWI8726H		AWI8735H	
Indoor unit		AWI826HL		AWI835HL	
Outdoor unit		AEI726SH		AEI735SH	
Features	Units	Cooling	Heating	Cooling	Heating
Cooling/Heating capacity	kW	2,85	3,24	3,40	3,70
Energy label class	ABCDEFG	A	A	A	A
E.E.R.	(kW/kW)	3,65	4,10	3,22	3,66
Air flowrate Indoor (h.-m.-l.-sl.)	m^3/h	530-440-390-250		530-440-390-250	
Dehumidification	l/h	1,2	-	1,5	-
Fan speeds (Indoor / Outdoor)	n°	4/auto		4/auto	
Sound pressure Indoor (h.-m.-l.-sl.)	dB(A)	39-36-29-21		39-36-29-21	
Sound pressure Outdoor (max.)	dB(A)	37		40	
Power supply	V/Ph/Hz	230/1/50		230/1/50	
Power input	kW	0,78	0,79	1,055	1,01
Annual energy cons.- cooling mode (500h) - Directive 2002/31/CE	kWh	390	-	527,5	-
Compressor type		Rotary		Rotary	
Refrigerant type		R410A		R410A	
Liquid pipe diameter	mm(inch")	6,35(1/4")		6,35(1/4")	
Gas pipe diameter	mm(inch")	9,52(3/8")		9,52(3/8")	
Max. pipe lenght with gas standard charge	m	7,5		7,5	
Max. pipe lenght with gas additional charge	m	15		15	
Gas additional charge	gr/m	15		15	
Max. height between units (Outdoor on top)	m	7		7	
Max. height between units (Indoor on top)	m	7		7	
Net weight Indoor / Outdoor	Kg	10 / 35		10 / 35	
Net dimension Indoor (H./W./D.)	mm	305x895x195/110		305x895x195/110	
Net dimension Outdoor (H./W./D.)	mm	540x700x265		540x700x265	

The technical data here indicated are in compliance with the European standard EN14511 - Directive 2002/31/EC

PRODUCT NAME		AWI8826H		AWI8835H	
Indoor unit		AWI8826HL		AWI835HL	
Outdoor unit		AEI826SH		AEI835SH	
Features	Units	Cooling	Heating	Cooling	Heating
Cooling/Heating capacity	kW	2,90	3,30	3,50	3,90
Energy label class	ABCDEFG	A	A	A	A
E.E.R.	(kW/kW)	4,50	5,04	3,70	4,20
Air flowrate Indoor (h.-m.-l.-sl.)	m^3/h	600-480-410-250		600-480-410-250	
Dehumidification	l/h	1,2	-	1,5	-
Fan speeds (Indoor / Outdoor)	n°	4 / auto		4 / auto	
Sound pressure Indoor (h.-m.-l.-sl.)	dB(A)	39-36-29-21		39-36-29-21	
Sound pressure Outdoor (max.)	dB(A)	39		44	
Power supply	V/Ph/Hz	230/1/50		230/1/50	
Power input	kW	0,645	0,655	0,950	0,930
Annual energy cons.- cooling mode (500h) - Directive 2002/31/CE	kWh	322,5	-	475	-
Compressor type		Rotary		Rotary	
Refrigerant type		R410A		R410A	
Liquid pipe diameter	mm(inch")	6,35(1/4")		6,35(1/4")	
Gas pipe diameter	mm(inch")	9,52(3/8")		9,52(3/8")	
Max. pipe lenght with gas standard charge	m	7,5		7,5	
Max. pipe lenght with gas additional charge	m	15		15	
Gas additional charge	gr/m	15		15	
Max. height between units (Outdoor on top)	m	7		7	
Max. height between units (Indoor on top)	m	7		7	
Net weight Indoor / Outdoor	Kg	10 / 45		10 / 45	
Net dimension Indoor (H./W./D.)	mm	305x895x195/110		305x895x195/110	
Net dimension Outdoor (H./W./D.)	mm	630x830x305		630x830x305	

The technical data here indicated are in compliance with the European standard EN14511 - Directive 2002/31/EC

Made in Italy

Innovative materials for a discreet effect and the maximum versatility

Argo ReflexO is an excellent FULL DC Inverter air conditioning, built by innovative materials and finishes to be pleasant and discreet; the design and the choice of colours ensure the maximum integration in every type of furniture. The whole unit is in ABS (Acrylonitrile Butadiene Styrene), precious material used instead of polistyren, commonly used for household appliances. It's also painted with a dual-component polyurethane special paint, silver effect: the front is covered with a particular metallic laminate normally used for furniture finishes, which gives to ReflexO a reflective and extremely elegant effect.

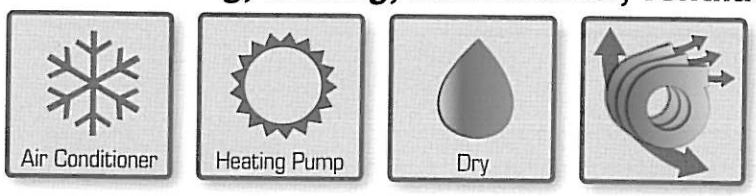
Compact and Safe

The design ensures an easy installation and the full compliance with EN60335 safety standard, allows you to install the unit even at any height on the wall.

Active carbon filter system

The active carbon filters allow to remove smells and dust from the air, granting a more healthy and pleasant ambient.

4 in 1: cooling, heating, dehumidifier, ventilation



ReflexO is a four operation modes air conditioner. You can select by remote control whatever you like or leave to the microprocessor the automatic management of the unit.

Enjoy the silence

ReflexO has an acoustic noise close to the minimum perception level by humans; thanks to the FULL DC Inverter technology, we have the control of the compressor and fan speed together, reaching the best performance both for capacity and noise level. Close to the setpoint the indoor unit sound pressure is just over 20 dB(A).

FULL DC Inverter technology – SVPWM 180°

ReflexO is a heat pump air conditioner based on FULL DC Inverter technology controlling:

- *compressor capacity*
- *fan speed*
- *refrigerant flow*

Not only the compressor, like many other DC Inverter models, but all the system modulation grants the maximum comfort with the widest range of indoor and outdoor operating conditions. The SVPWM180° modulation provides the maximum energy efficiency managing sine wave current for all 360° rotation of the synchronous permanent magnets motors used for the compressor and fan.

White and steely blue MicroLeds

White and steely blue colouring confers to the unit a technological and smooth aesthetic design. A special function on the remote control allows you to disable MicroLeds when needed (for example during the night).

Progressive Cooling to enjoy your fresh in the softness way

ReflexO takes care of your health. Its "progressive cooling" gradually decreases the temperature since the start up (in cooling mode) without generating strong and cold draughts. In heating mode, on the contrary, ReflexO starts working at the maximum of its performances to reach the desired temperature as soon as possible.

High Power: turbo feature cooling or heating

By selecting "High Power" function on the remote control, ReflexO can provide its maximum performance (130% of its nominal capacity) in order to achieve the desired temperature in the shorter time.

Ready for Domotics systems connection

ReflexO is preset for connection to building automation control systems, both in domotics and commercial applications.

ReflexO, fully complying with European standards

ReflexO is an ozone friendly air conditioner as uses R410A refrigerant that does not contain chlorine, avoiding damages to the ozone layer, important protection from solar radiations. Moreover, ReflexO is fully compliant with every other EU standard as WEEE, RoHS, CE, EMI, EMF...

Stand by? Just 1 Watt!

Reducing the household appliances consumption in stand by mode, we can improve the quality of our life. ReflexO is already one step into the future as the electrical consumption in stand by mode is around 1 Watt.

Technical data

PRODUCT NAME		REFLEXO 09		REFLEXO 12	
Indoor unit		REF09HI		REF12HI	
Outdoor unit		AEI09SH		AEI12SH	
Features	Units	Cooling	Heating	Cooling	Heating
Cooling/Heating capacity	kW	2,85	3,24	3,50	3,85
Energy label class	ABCDEFG	A	A	A	A
E.E.R.	(kW/kW)	3,65	4,10	3,31	3,81
Air flowrate Indoor (h.-m.-l.)	m^3/h	450-400-370		470-430-390	
Dehumidification	l/h	1,2	-	1,5	-
Fan speeds (Indoor / Outdoor)	n°	4/auto		4/auto	
Sound pressure Indoor (h.-m.-l.-sl.)	dB(A)	39-36-29-23		39-36-29-23	
Sound pressure Outdoor (max.)	dB(A)	37		40	
Power supply	V/Ph/Hz	230/1/50		230/1/50	
Power input	kW	0,78	0,79	1,055	1,01
Annual energy cons.- cooling mode (500h) - Directive 2002/31/CE	kWh	390	-	527,5	-
Compressor type		Rotary		Rotary	
Refrigerant type		R410A		R410A	
Liquid pipe diameter	mm(inch")	6,35(1/4")		6,35(1/4")	
Gas pipe diameter	mm(inch")	9,52(3/8")		9,52(3/8")	
Max. pipe lenght with gas standard charge	m	7,5		7,5	
Max. pipe lenght with gas additional charge	m	15		15	
Gas additional charge	gr/m	15		15	
Max. height between units (Outdoor on top)	m	7		7	
Max. height between units (Indoor on top)	m	7		7	
Net weight Indoor / Outdoor	Kg	8/35		8/35	
Net dimension Indoor (H./W./D.)	mm	270x805x205		270x805x205	
Net dimension Outdoor (H./W./D.)	mm	540x700x265		540x700x265	

The technical data here indicated are in compliance with the European standard EN14511 - Directive 2002/31/EC

As you know we are at the mass production time for the new FULL DC Inverter.
Before the mass production we have to fix on the memory, the range of parameters to define the nominal capacity and the range min/max...)
It is a pleasure to delivery to you the official data, eer, cop, consumption...

Below you have the information for the 12000 BTU/h outdoor unit series 7 combined with standard rounded series 7, Reflexo or the new series 8 indoor units.

Some highlight:

- when the unit is at the setpoint operation, we have a very low consumption, high cop, very very low noise both indoor & outdoor and good capacity (you will have the opportunity to taste...)
- the parameters written on memory are defined to reach the best COP
- the data are based on EN14511 testing condition (energy label regulation):
  - cooling test condition: indoor temperature 27°C DB or 19°C WB and 35°C outdoor temperature
  - heating test condition: indoor temperature 20°C and outdoor temperature 7°C DB or 6°C WB

COOLING nominal value (calorimeter test based on EN14511)

- Capacity = 3250 watt
- Electrical consumption = 980 watt
- EER = 3,32 (A class = 3,21)

HEATING nominal value (calorimeter test based on EN14511)

- Capacity = 3400 watt
- Electrical consumption = 890 watt
- COP = 3,82

COOLING minimum value fixed on eeprom

- Capacity = 1100 watt
- Electrical consumption = 250 watt
- EER = 4,40

HEATING minimum value fixed on eeprom

- Capacity = 1250 watt
- Electrical consumption = 240 watt
- COP = 5,21

COOLING maximum value fixed on eeprom

- Capacity = 3700 watt
- Electrical consumption = 1330 watt
- EER = 2,78

HEATING maximum value fixed on eeprom

- Capacity = 4650 watt
- Electrical consumption = 1550 watt
- COP = 3,00

If you will have an intelligent reading (comparing dimensions, capacity, cop...) of the equivalent product by competitors (big brand like Daikin, Melco....eurovent certified), immediately you will understand the value of our new products which have one main target based on the future regulation requirement: "efficiency" (& don't forget the stand by consumption...)

Thanks for attention

Rolando Galmarini