

Airwell

■ *Just feel well*

2014 Catalogue



Airwell
Residential

Contact Us

An international sales network



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a well-being full
solution provider





q UNIQUE AIR CONDITIONING RANGE

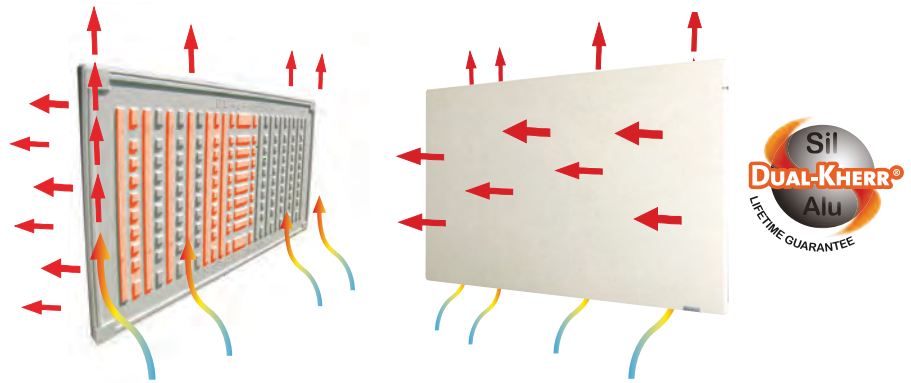
Discover our complete range & unique solutions details in following pages



q UNIQUE HEATING RANGE

[TECHNOLOGY 3 IN 1]

Combination of the 3 heating systems
Convection + Accumulation + Radiation



q UNIQUE WATER BAR RANGE

[ADVANCE FILTRATION SYSTEM : UV + CARBON FILTER]



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New regulation and standards

An important part of Airwell Residential's strategy is to anticipate and go further beyond the new European regulations, safety standard and guidelines that will be applied soon.

The requirements are covering all the cycles of the product process from manufacturing to distribution and marketing.

Most of the Energy requirements today are related to the European Commission Plan named "20-20-20" to improve the environmental aspects of Energy related product, which dictate the following:

- q Reduce by 20% the emissions of greenhouse gases.
- q Increase by 20% the energy efficiency in the EU.
- q Reach 20% of renewables in total energy consumption in the EU.

As a global company, Airwell Residential implements the requirements and standard related to the product's manufacturing, safety, energy and design.

Airwell products are designed as environmental friendly and safe.

[ECODESIGN]



CE

FGAS
CERTIFICATION



The most important regulations today are:



FGAS

FGAS is THE major regulation which will be implemented as of January 2015.

F-Gas are man-made gases that can remain in the atmosphere for centuries and contribute to a global greenhouse effect. There are three types: hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) and sulfur hexafluoride (SF6).

The F-Gas regulation's goal initiated by the European commission is to reduce greenhouse gas emissions in the EU by 80-95 % by 2050 compared to levels in 1990.



Eurovent

Airwell Residential contributes to the Eurovent certification program. Our residential range products are Eurovent guaranteed. They include Splits and Multi Splits with at least two indoor units.

[**ECODESIGN**]

Directive 2009/125/EC

This Ecodesign guideline started in 2013 with the following changes:

- q Move to seasonal testing in cooling - named SEER (Seasonal Energy Efficiency Ratio) and in heating - named SCOP (Seasonal coefficient of performance).
- q Apply new Energy Ranking from A+++ down to E.
- q Apply maximum sound level in indoor and outdoor units.
- q Test the power consumption in standby mode and thermostat off.
- q Performances are related to European climates reference. There are 3 references climates:
 - **Average:** minimum condition to fulfill.
 - **Warmer:** if the product is designed for warmer conditions.
 - **Colder:** if the product is designed for colder conditions.
- q Add a factor related to GWP (Global Warming Potential) defining the refrigerant impact to the environment.
- q Apply Minimum SCOP and SEER in two steps (Single/Multi split are different than portable units).

As of January 1st 2014 the Ecodesign guidelines will pass to the second step by extending the minimum requirements of SCOP and SEER, the new criteria are:

- q Maximum power consumption for all types:
 - **Off mode:** 0,5 W per hour.
 - **Standby mode:** 1.0 W per hour.

q Requirements of minimum energy efficiency:

	Split and multi split		Portable with double duct		Portable with single duct	
	SEER	SCOP	EER (rated)	COP (rated)	EER (rated)	COP (rated)
GWP of refrigerant >150 for 6 kW	4.60	3.80	2.60	2.60	2.60	2.04
GWP of refrigerant ≤150 for 6 kW	4.14	3.42	2.34	2.34	2.34	1.84
GWP of refrigerant >150 for 6-12 kW	4.30	3.80	2.60	2.60	2.60	2.04
GWP of refrigerant ≤150 for 6-12 kW	3.87	3.42	2.34	2.34	2.34	1.84

q Requirement of max. sound power level (same as 2013)

A/C except portable:

Rated Capacity ≤ 6 kW		6 < Rated Capacity ≤ 12 kW	
Indoor sound power level in dB(A)	Outdoor sound power level in dB(A)	Indoor sound power level in dB(A)	Outdoor sound power level in dB(A)
60	65	65	70

q Portable units (indoor side): **65 dB(A)**

Energy Label design

HOW THE ENERGY LABEL WILL BE IMPLEMENTED?

Nominal capacity (P_{design} H/C) and SEER/SCOP test condition:

q Each model will be rated at nominal capacity in cooling and heating:

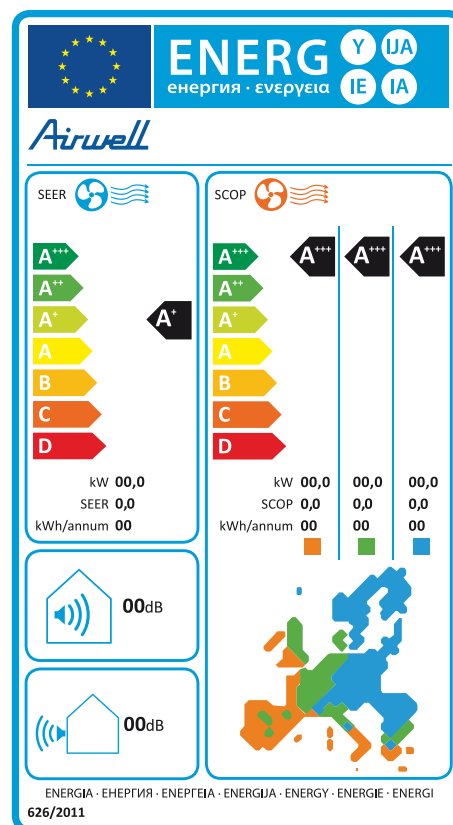
- **For cooling:** P_{design}C.
- **For heating:** P_{design}H.

q Each product must meet the climate requirement levels to which it belongs:

- **Average:** minimum condition to fulfill.
- **Warmer:** if the product is designed for warmer conditions.
- **Colder:** if the product is designed for colder conditions.

q P_{design} affects directly the SEER/SCOP level as there are few tests done in cooling and heating according to the climate category and adjusting the capacity for each test condition.

q The below table shows the test conditions in cooling and heating, the ratio of the P_{design} in cooling and heating in a different climate category.



Operating conditions for standard rating

	Old standard				New standard (ECO design)								
	Indoor unit		Outdoor unit		Indoor unit		Outdoor unit						
	Air inlet °C		Air inlet °C		Air inlet °C		Test type	Air inlet °C		Air inlet °C		Air inlet °C	
	Dry bulb	Wet bulb	Dry bulb	Wet bulb	Dry bulb temperature	Wet bulb temperature		Inlet temperature	Part load of Pdesign ratio	Inlet temperature	Part load of Pdesign ratio	Inlet temperature	Part load of Pdesign ratio
Cooling mode	27	19	35	24	27	19	A	35	100%	35	100%	35	100%
							B	30	74%	30	74%	30	74%
							C	25	47%	25	47%	25	47%
							D	20	21%	20	21%	20	21%
Heating mode	20	15 max	7	6	Indoor unit		Test type	Class category					
								Average		Warmer		Colder	
					Air inlet °C		T _{design}	-10	100%	2	100%	-22	100%
					20	15 max	A	-7	88%	-7	N/A	-7	61%
							B	2	54%	2	100%	2	37%
							C	7	35%	7	64%	7	24%
							D	12	15%	12	29%	12	11%
							T _{bivalent}	The design condition of the A/C can provide the optimized capacity w/o any additional energy like heater					
							Tol (Min operating temp)	-15	119%	-15	N/A	-15	82%

Certifications

Airwell Residential is recognized for its reliability. A residential and light commercial range of products with an excellent quality which offers our clients a very big advantage on the air conditioning market. Present all over the world, Airwell Residential applies quality standards to its different production sites and strives to improve them continuously.

The performances of our Airwell Residential products meet the EN14825 standard (seasonal energy standard).

Airwell Residential production sites are certified ISO 9001 and ISO 14001 as well as by most of the recognized certifications. Furthermore, Airwell Residential contributes and complies with the Eurovent certification program.





Unique
solutions



Our
unique
solutions



2

**unique
technologies**



3

**unique
applications**

Unique technologies



FLEXY MATCH

Unique 1 : Flexy Match

HIGH LIGHTS

q Same unit same logic for all application

- Easy Service
- Easy Logistic
- Easy to upgrade

q All in one



ADVANCED
CONTROL OPTIONS

Unique 2 : Advanced Control

HIGH LIGHTS

- q Heating mode force
- q Sine wave DC inverter drive
- q Service electronic tools
- q Connectivity to Gateway for customized option

Unique applications

[MORE DETAILS
P. 54]

Unique 1 : DLF

HIGH LIGHTS

- q Vertical and horizontal installation
- q Compact: 200 mm height, space saving
- q Super quiet

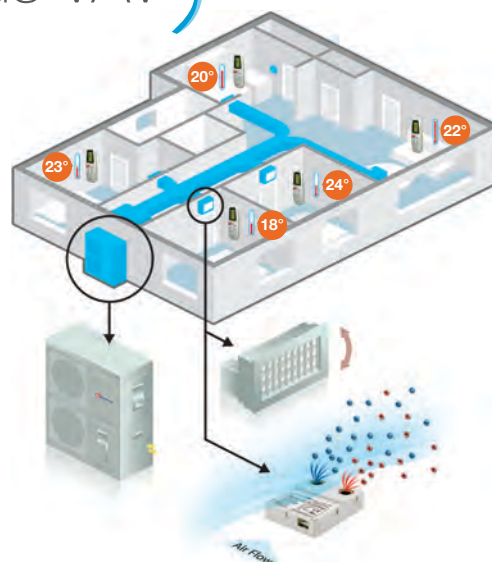


[MORE DETAILS
P. 60]

Unique 2 : DLSE Plus VAV

HIGH LIGHTS

- q Advanced fuzzy logic by controlling the inverter and room temperature per zone
- q Cost & energy saving
- q The best added value for customer
- q **NEW** DC motor with high efficiency

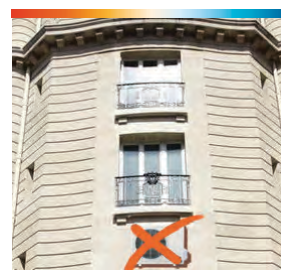


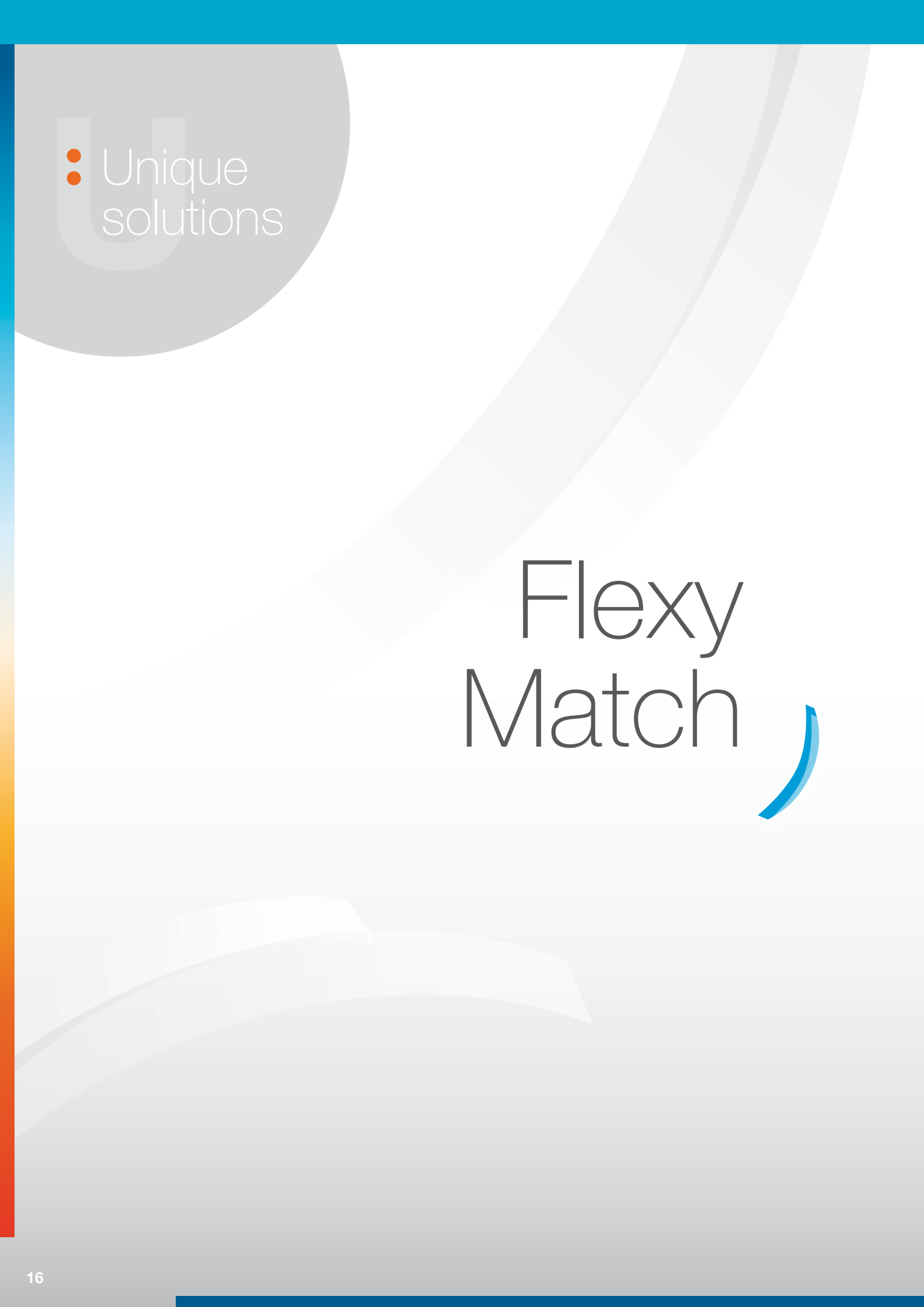
[MORE DETAILS
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Unique 3 : CAO and GCAO

HIGH LIGHTS

- q Ideal solution for building with esthetic and local restrictions
- q Easy & simple installation





Unique
solutions

Flexy Match





Flexy Match

- q Same unit same logic for all application
 - Easy Service
 - Easy Logistic
 - Easy to upgrade
- q All in one

> Minimum stock
> Saving cost

■ Full flexibility same Indoor unit (IDU) for multi and single Outdoor unit (ODU)



■ For the same capacity all IDU use one ODU

		Capacity			
Type		9	12	18	24
HIGH WALL	HJD				
CASSETTE	CNE				
FLOOR CEILING	SXB				
DUCTED MSP	DLSE				
DUCTED LSP	DLF				
ODU					



Unique
solutions

Advanced control



ADVANCED
CONTROL OPTIONS

Advanced control options

Easy installation and Service care

- q Tubing length up to 70m
- q Operating range, Heating -15°C, Cooling from -10°C up to 46°C
- q **Flexy Match** design
- q Self diagnostic after installation, by remote control or HMI board



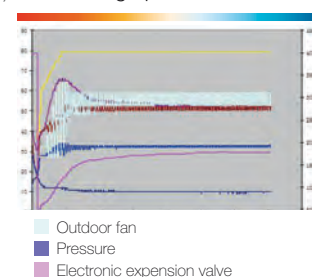
Control options and accessory

- q Group control by different controllers
- q Power saving by dry contact connection
- q Night mode dry contact
- q Alarm dry contact
- q Adjust system parameter by HMI or PC
- q Standby mode
- q Base heater option

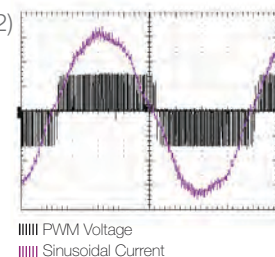
Advanced Inverter drive and logic

- q Optimize and fast dynamic control in low temperature operation ⁽¹⁾
- q Top level DCI sine wave control, create low sound level and low vibration ⁽²⁾
- q Excellent capacity balance between indoor units in multi application, thanks to few sensors in the system and special algorithm

(1) Low cooling operation



(2)



Top level design criteria

- q Accurate refrigerant balance circuit ⁽³⁾
- q High performance heat exchanger design ⁽⁴⁾
- q Special hydrophilic coating in heat exchanger fins
- q DC motor with top level efficiency in most models
- q Design for corrosion resistance by top level coated metal and epoxy painting

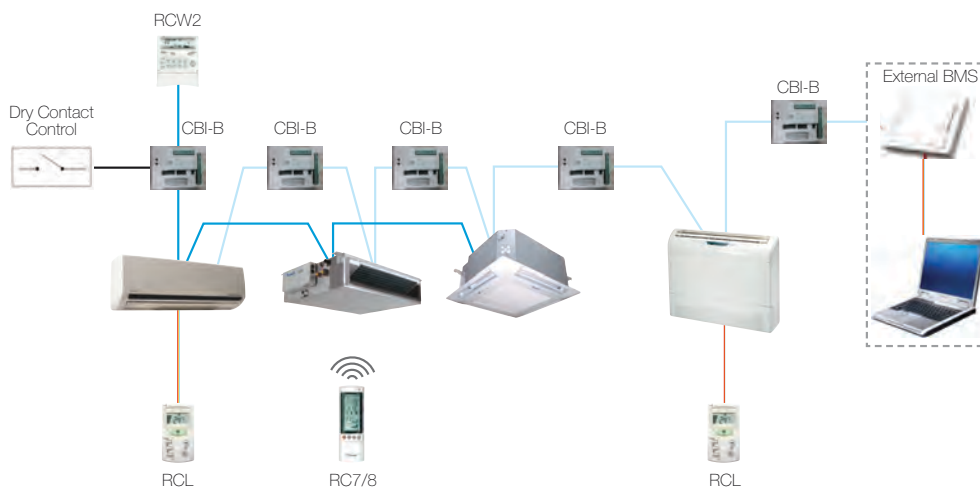


Advanced control options

SERVICE CARE

	Model	Connect to	Advantage/Feature
	M2L	IDU	Monitoring and recording all system parameters.
	HMI	MOST OF ODU	• Self installation test • Self diagnostic • Refrigeration charge test • Set up master unit • View system parameters
	Signing	ODU	• Easy identification between system to system by coloring in tubing and wires connection. • Avoiding mixing between wires and piping between system.
	RC7/8	NA	Special sign that indicate a low battery indication. 

OPTION LAYOUT



ACCESSORY OPTIONS

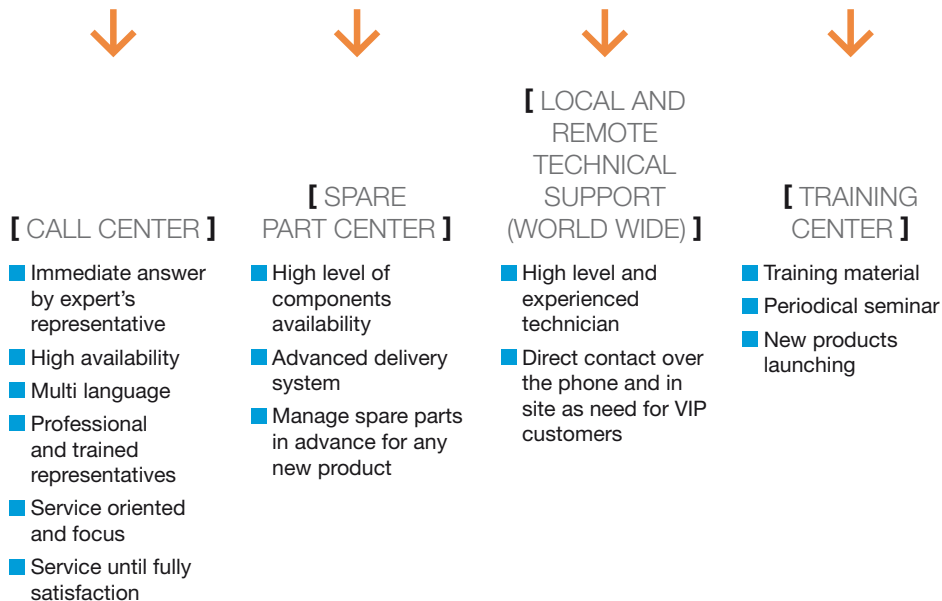
	Design	Model	Function
REMOTE CONTROLS		RC7/8	Wireless remote control.
		RCL	Simple wired remote control (optional).
		RCW2	Wired RC up to 32 IDU'S up to 15 zones.
CONTROL ACCESSORY		CBI-B	Special communication PCB for all IDU's, for Dry contacts and Interface for BMS.

21

Airwell Residential Service

We Airwell Residential have issued this Service Charter to demonstrate our commitment to providing our customers-focused service. This service charter is relevant to any customer of Airwell Residential. The Service Charter sets out all Airwell Residential staff in all levels.

[SERVICE DIVISION]



Unique and exclusive:
After Sales Organization
dedicated also to final customer.



Service standards

Airwell Residential aims to provide a professional, courteous, efficient and helpful service to all customers at all times.

Specifically, we will make every effort to ensure the following standards are met:

We will aim to respond to all letters, e-mails and faxes within 2 working days of their receipt and give a likely timescale within this period for any requests for information.

We will ensure that all telephone calls are handled courteously and that any messages are passed onto the relevant staff member and answered as soon as possible. We will deal with any query you have as quickly as we can.

We are continually improving our service: last actions are

q New trained and multi language call center.

[www.airwell-residential.com/aftersales]

q Local technician for better support.

q High level of IT system for better quality traceability.

q Customer training in a periodical base.

History

Over half a century dedicated to indoor comfort

It all started in 1947. That is when Paul Wallet developed, marketed and sold the first air conditioning systems in Europe. Over the course of the following decades, Airwell has become one of the biggest global brands in climate control systems and one of the leading manufacturers and distributors of air conditioning and heating systems.

[AIRWELL RESIDENTIAL, A VISION CENTRED AROUND WELL-BEING]

The principles of evaporating water to create air conditioning have been around since ancient Roman times.

But it was not until the industrial age that the first air conditioning systems appeared in the United States. Paul Wallet noticed that companies using air conditioning were also seeing increased employee productivity so, in 1947, he founded the air conditioning business L'Air Conditionné Entreprise (ACE), near Paris. He designed and produced air conditioners under the brand name Airwell, and marketed them to French businesses in France, Africa and the Middle East. The company became the first in Europe to offer air conditioning systems.

Three years later, Airwell designed the first direct expansion air conditioning units for large-scale production. They were specially designed for use in the home and small commercial establishments. This complex technology, which does not require water, finally made indoor comfort accessible to all. Then, in 1979, and in the wake of two oil crises, Airwell developed the first high performance air-to-water heat pump for connection to domestic oil boilers. **Heatwell is therefore the natural successor to Airwell and its thermal expertise. Heatwell's focus is on a full range of traditional and hybrid radiators, air-to-water heat pumps and thermodynamic water heaters.**



[REGULAR INNOVATION FOR GREATER COMFORT]

One of the reasons for our international presence?

We have always focussed developments around our core skills and introduced numerous innovations.

Airwell Residential was a pioneer in air conditioning in the 1950s thanks to its air conditioning units that could be positioned in house windows. Since 1970, the company has been producing split systems, making it the leading European manufacturer of this type of equipment. Over time, the company has developed innovative features for its products, to make them more convenient to use and less obtrusive: wall-mounted units with integrated remote control functions, high-tech tangential blowers and quieter and more energy-efficient rotary compressors. These developments also serve as a springboard for developing new technology in heat pumps and radiators.

[AN INTERNATIONAL PRESENCE]

The new millennium has seen the company expand on the international residential market. It has been able to strengthen its global position thanks to partnerships on several continents. At the same time, the distribution network is growing.

Today, Airwell Residential is one of the leading global suppliers of air treatment and air conditioning systems, as well as heating systems for domestic and small business use. Also supported by the Aquawell and Heatwell brands, the company's product range is available in more than 80 countries and is recognised as the most extensive in its sector.

And tomorrow? Airwell Residential puts Research & Development at the heart of its priorities for ensuring that customers benefit from innovations and with a view to sustainable and responsible development. With this in mind, the group has strengthened its traditional expertise in new products with the aim of enhancing comfort through heating - with Heatwell - and water dispensers - with Aquawell.

We aim to use these brands and these products to provide you with the highest degree of indoor comfort and well-being, because we spend 90% of our life indoors, at home or at work.

TECHNOLOGY

**FLEXY MATCH**

Outdoor unit can match several type of indoor units.
Indoor unit can match single split or multisplit outdoor units.

**A/A CLASS EFFICIENCY**

High efficiency and energy saving product.

**DC INVERTER**

Compressor with high efficiency DC motor.

**GOLDEN FINS CONDENSER**

Improve heat transfer efficiency and corrosion resistance.

**SINE WAVE COMPRESSOR DRIVE**

Advanced technology of compressor speed control in a wide range in high efficiency and low sound level.

**1 W STANDBY POWER**

Minimize the waste of energy once unit is in a standby mode.

**LOW VOLTAGE STARTUP**

Design to start up the system even once power supply is not stabilized.

**LOW TEMPERATURE STARTUP**

Start up the system even once outside temperature is very low as -15°C.

**R410A FLUID**

Refrigerant fluid R410A.

**VAV COMPATIBILITY**

Automatic air volume and system control per zone related to the gap between actual room temperature and set up temperature.

**ELECTRONIC EXPANSION VALVE**

Precise refrigerant flow control, optimize the performance and protect the compressor.

**ADVANCED CONTROL OPTIONS**

Unit design for various of external and remote control for special application and power saving.

**REFRIGERANT LEAKAGE DETECT**

Indicate in indoor side once leakage is detected and stop the system to protect the compressor.

AIR QUALITY/CLEAN

**STERIONIZER**

Generating sterionizer ions that leads to electrochemical reaction that deactivates bacteria, viruses and allergenic particles. Creating and brings a natural air quality to the living environment.

**SUPER PLASMA**

Generating a hydrogen ions and oxygen ions that decomposed the harmful substances such as bacteria, viruses and ducts.

**ACTIVE CARBON FILTER**

Effectively cleans the air from air-born particles down to 0.01μ avoid cigarettes smoke, house cooking smoke, pollen, mold, spores and bacteria.

**NANO PHOTOCATALYTIC FILTER**

Oxidize and degrade organic contaminants. It can effectively eliminate 99.9% of bacteria and collect dust effectively.

**ELECTROSTATIC FILTER - ANTIBACTERIA**

Anti Bacteria Remove in high efficient small particles from the air and purify the air from bacteria.

**AUTO CLEAN/DRY**

Avoid bacteria and mildew growing by keeping the heat exchanger dry after cooling operation.

**REMOVABLE WASHABLE PANEL**

Removable panel for efficiency and easy cleaning.

**ANTI DUST AND UV CASING**

Minimize dust accumulation on the unit casing.

**FRESH AIR**

Refresh the room by supplying fresh air from outside.

**FILTER CLEAN INDICATION**

Sign to check and clean the air filter.

COMFORT FUNCTIONS

**I FEEL**

Precise temperature control around dedicated area by using remote control temperature sensor.

**WIDE ANGLE LOUVER**

Better cooling and heating affect by extending the air distribution in the room in a wide angle.

**MOTORIZED 2D AIRFLOW**

Improve cooling and heating affect by swing the air up and down automatically.

**MOTORIZED 4D AIRFLOW**

Excellent cooling and heating affect by swing the air up and down, left and right automatically.

**MULTIFLOW 360°**

Most comfort air distribution system by supply air in four direction in 360° and motorized louver control.

**SLEEP MODE**

Adjusting the room temperature along the night follow human sleep behaviour.

**SUPER QUIET**

Advanced design for low sound level.

**HOT KEEP**

Control the fan operation to avoid drafting of cold air during start operating in heating.

FUNCTION

 DIGITAL DISPLAY Digital display on the indoor unit, indicating the temperature set up or failure code.	 TURBO MODE Boosting the output capacity and create a rapid reaction to reach the room temperature set up.	 PROGRAMMABLE TIMER Option to set up a program to control the unit stop and operation based on a real time.	 TIMER Option to set up the stop and operation.	 SELF DIAGNOSTIC-LED Indicate the unit failure by control the light blinking on the unit display.	 SELF DIAGNOSTIC-DIGITAL Indicate the digital failure code on the unit display for easy detecting and solve problems.	 LOW BATTERY INDICATION Indication to replace the remote control battery.
 AUTO RESTART (MEMORY) Automatic restart the unit in the last operation mode once resume power supply.	 REMOTE CONTROL LOCK Lock the remote control function to avoid non required operation.	 COMPACT DESIGN Slim and small size to reduce the unit space required and provide esthetic image.	 ADVANCED DEFROST Minimize the operation without supplying energy during defrost in heating.	 AUTO MODE OPERATION Automatically switch the operation between cooling to heating to maintain the room set temperature.	 AUTO FAN Adjust the air volume according to the gap between set to room temperature.	 8°C CONSTANT TEMPERATURE HEATING Keep 8°C room temperature to protect automatically the house sanitary system from freezing and damage in very cold weather.
 AUXILIARY HEATER Boosting the heating capacity once system working in extremely low ambient temperature.	 MULTI FAN SPEED Wide range of motor speed to optimize the sound level or the capacity output.	 INTEGRATED WATER PUMP Remove the condensate water up for easy and flexible installation.	 LEFT/RIGHT DRAIN CONNEXION Easy installation by option to connect the drain tube in left or right side.	 FREQUENCY CONTROL INCLUDING AIRFLOW Adjust the motor speed according to the external static pressure to reach the air volume.	 CASSETTE AIRFLOW CONTROL Adjust the motor speed according to the installation height.	

CONTROL OPTION CONNECTIVITY

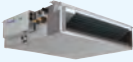
 WIRED CONTROL OPTION Option to connect a wired remote control.	 ALARM OUTPUT Option to transmit to remote location a severe failure or alarm indication.	 UNIT ON INPUT Option to transmit indication to remote location if unit is in ON or in OFF operation.	 PRESENCE DETECTOR INPUT Option to connect to external presence detector to control the unit operation and save energy once room is not equipped.	 GROUP CONTROL Option to control a several units with one main controller.	 BMS COMPATIBLE Option to connect to BMS system via PCB adapter.	 SERVICE MONITOR TOOL PC interface to monitor and adjust the system parameters.
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OUTDOOR UNIT OPTION

 POWER CONSUMPTION CONTROL Option to control the power consumption by limiting the maximum unit capacity output.	 WIRED REMOTE CONTROL DIAGNOSTIC Run diagnostic mode by using indoor unit remote control.	 OUTDOOR UNIT DIGITAL DIAGNOSTIC Displaying a digital failure code for easy servicing.	 OUTDOOR UNIT NIGHT MODE DRY CONTACT Limiting the outdoor fan motor speed and reducing the outdoor unit noise level.	 OUTDOOR UNIT STAND-BY Switch dry contact Option to control the unit ON and OFF from remote device.	 OUTDOOR UNIT ALARM OUTPUT Option to transmit alarm of severe failure output to remote device.	 FULL LENGTH REFRIGERANT PRECHARGE No additional charge is needed, easy installation and cost saving.
 TECHNICIAN TEST MODE Special mode for technician to improve the service duration and professional level.	 LOW AMBIENT COOLING Operating in cooling even in low outside temperature due to advanced control logic.	 LOW AMBIENT HEATING Operating in heating in extremely low outside temperature by using a special unit design.	 ADVANCED INSTALLATION TEST Automatic installation test mode for easy installation and mistake corrections.	 OUTDOOR BASE HEATER Avoid base freezing in heating operation in low ambient temperature.		

[MODEL NAME]

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DUCTED MEDIUM STATIC PRESSURE MONOSPLIT MULTISPLIT Q ONLY SIZE 12		DCD	NEW 	58
DUCTED MEDIUM STATIC PRESSURE MONO & MULTISPLIT PREMIUM		DLSE	UPGRADE 	60

9 2.5 kW	12 3.5 kW	18 5 kW	24 7 kW	30 8 kW	36 10 kW	48 12.5 kW	60 14 kW
[EC COMPLY]	[EC COMPLY]	[EC COMPLY]	[EC COMPLY]	[EC COMPLY]			
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[EC COMPLY] Comply with ECO Design regulation
[EC COMPLY] Product which is not included in ECO Design regulation
[*] Not European Comply



HJD [ECODESIGN]

Unique solutions



HIGH WALL MONO & MULTISPLIT PREMIUM

- q High wall line available in capacities 2.5 up to 7.5 kW.
- q Glossy designed unit.
- q Wireless remote control included with option of wired control.
- q DC Inverter and sine wave compressor drive technology.
- q -15°C operating in heating mode.
- q Cooling & heating operation mode.
- q "I Feel" function with precise room temperature control.
- q Heating mode only as an option.

PRODUCT ADVANTAGES

- Multi layer air purification combine anti virus by sterionizer system and electrostatic filter for small particules 0.01 μ . that provides exceptional air quality.
- Motorized air control in 4 directions right to left and up to down.
- Possibility to connect to alarm output unit ON/OFF output human presence detector and group control.
- Heating only mode force option.
- Treatment of corrosion on outdoor units and electronic cards.



RC08W

RCW2
(optional)

ACCESSORIES/OPTIONS

Acc.	Ref.	Photo	Description	Additional accessory required	Function
RCW2	7ACEL1212		Wired group control (HJD required connexion kit).	CBI-A P/N7ACEL1580 or CBI-B P/N7ACEL1616 For HJD only.	- Control up to 32 Indoor unit as a group or individually. - Option to set up to 15 group zones. - Option to set timer (daily and weekly), mode, fan speed and swing.
RCL	7ACEL1447		Simple wired remote control.	CBI-B P/N7ACEL1616	Simple functions as: ON/OFF, operating mode, temperature up and down, fan speed selection and room temperature.
CBI-B	7ACEL1616		Communication interface board Heating model only option.	Kit is including cables.	- RS485, RCW2, RCL remote controls. - 1 dry contact input (selecting by dip switches). - Alarm status output (12V DC). - ON/OFF status output (12V DC).

HJD TECHNICAL DATA

Indoor units		AWSI- HJD009-N11	AWSI- HJD012-N11	AWSI- HJD018-N11	AWSI- HJD024-N11	AWSI- HJD030-N11
Outdoor units		AWAU- YBDE009-H11	AWAU- YBDE012-H11	AWAU- YBDE018-H11	AWAU- YBDE024-H11	AWAU- YBDE030-H11
COOLING						
Rated Capacity	kW	2.5 (1.4-3.6)	3.5 (1.4-4.3)	5.0 (1.5-6)	6.8 (1.5-7.5)	7.5 (2.0-9.0)
Pdesignnc	kW	2.5	3.5	5.0	6.8	7.5
Input power	kW	0.5	0.87	1.35	2.20	2.23
SEER/Energy label		5.70/A+	5.61/A+	5.7/A+	5.2/A	5.2/A
Operating limits	°C	-10°/46° Dry bulb				
HEATING						
Rated Capacity	kW	3 (1.5-5)	4 (1.5-5.8)	5.6 (1.3-6.8)	7.6 (1.5-8.8)	8.6 (2.0-9.5)
Pdesignnh (average climate)	kW	2.5	3.5	4.8	6.3	8.1
Input power	kW	0.6	1	1.55	2.00	2.53
SCOP/Energy label (average climate)		4.00/A+	4.00/A+	3.9/A	3.8/A	3.8/A
Operating limits	°C	-15°/24° Dry bulb				
Capacity @ -10°C	kW			4.4	4.8	7.2
Capacity @ -15°C	kW	2.12	2.18	3.36	5.07	6.4
INDOOR UNIT						
Sound pressure level to 1 m (LS/MS/HS/SS)	dB(A)	21/26/34/39	22/26/34/40	30/34/39/43	34/38/43/47	47/50/54
Sound power level (LS/MS/HS/SS)	dB(A)	34/39/47/51	35/39/47/52	43/47/51/58	47/51/56/60	55/58/62
Airflow (LS/MS/HS)	m³/h	330/430/530	350/450/550	550/700/850	670/800/960	950/1100/1300
Dehumidification	l/h	1	1.5	2.7	2.8	3.2
Outline dimensions (WxHxD)	mm	810x285x210	810x285x210	1060x295x221	1060x295x221	1310x322x240
Package dimensions (WxHxD)	mm	870x356x282	870x356x282	1125x360x295	1125x360x295	1420x440x380
Net weight/Gross weight	kg	11.5/14	11.5/14	15/18	15/18	20/23
Part number		7SP022903	7SP022917	7SP022918	7SP022919	7SP022920
OUTDOOR UNIT						
Sound pressure level to 1 m	dB(A)	51	52	53	55	56
Sound power level	dB(A)	61	62	65	67	68
Airflow	m³/h	1780	1780	2500	2750	3400
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)		795x610x290	795x610x290	900x700x340	900x700x340	900x860x340
Package dimensions (WxHxD)	mm	970x650x394	970x650x394	985x730x435	985x730x435	985x905x435
Net weight/Gross weight	kg	38/42	38.5/42.5	56/58.5	61/63.5	66/68.5
Part number		7SP061819	7SP061820	7SP061886	7SP061887	7SP061888
POWER SUPPLY 1~230V - 50 HZ						
Power supply side		Indoor	Indoor	Indoor & Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x2.5	3x2.5	3x2.5
Fuse rating am	A	16	16	20	20	20
Electrical connections	mm²	4x1.5	4x1.5	4x1.5	4x1.5	4x1.5
PIPE LINE						
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"	3/8"
Max length	m	20	20	30	30	30
Max height	m	10	10	15	15	15

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AIRWELL SOLUTIONS





HGDE [ECODESIGN]

HIGH WALL MONOSPLIT

- q High wall line available in capacities 2.6 and 3.5 kW.
- q DC Inverter and sine wave compressor drive technology.
- q Photocatalytic and antibacterial prefilter.
- q -15°C operating in heating mode.
- q Cooling & heating operation mode.
- q "I Feel" function with precise room temperature control.



RC08A

PRODUCT ADVANTAGES

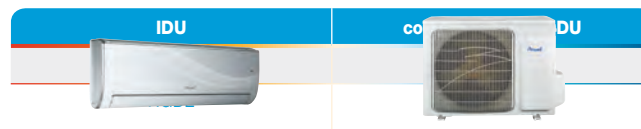
- Super quiet 22 dB(A) (7 motor speed).
- Ultra compact design. Depth: 159 mm.
- Self diagnostic by digital failure code indication.
- Super plasma purifying system that eliminate harmful bacteria and viruses.



HGDE TECHNICAL DATA

Indoor units		AWSI-HGDE009-N11	AWSI-HGDE012-N11
Outdoor units		AWAU-YGDE009-H11	AWAU-YGDE012-H11
COOLING			
Rated Capacity	kW	2.6 (0.8-3.4)	3.5 (0.9-4.0)
Pdesignc	kW	2.6	3.5
Input power	kW	0.72	1.10
SEER/Energy label		6.1/A++	6.1/A++
Operating limits	°C	10°/48° Dry bulb	
HEATING			
Rated Capacity	kW	2.8 (0.75-3.8)	3.8 (0.9-4.2)
Pdesignh (average climate)	kW	2.7	3.3
Input power	kW	0.76	1.17
SCOP/Energy label (average climate)		4.0/A	4.0/A
Operating limits	°C	-15°/24° Dry bulb	
Capacity @ -10°C	kW	2.4	2.6
Capacity @ -15°C	kW	2	2.2
INDOOR UNIT			
Sound pressure level to 1 m (LS/MS/HS/SS)	dB(A)	29/33/37/41	29/34/38/42
Sound power level (LS/MS/HS/SS)	dB(A)	41/45/49/55	42/46/50/56
Airflow	m³/h	560	560
Dehumidification	l/h	0.8	1.4
Outline dimensions (WxHxD)	mm	896x320x159	896x320x159
Package dimensions (WxHxD)	mm	973x403x255	973x403x255
Net weight/Gross weight	kg	11.0/14	11.0/14.0
Part number		7SP022911	7SP022912
OUTDOOR UNIT			
Sound pressure level to 1 m	dB(A)	50	52
Sound power level	dB(A)	63	63
Airflow	m³/h	1600	2200
Compressor type		Rotary DC Inverter	Rotary DC Inverter
Outline dimensions (WxHxD)	mm	776x540x320	848x540x320
Package dimensions (WxHxD)	mm	851x595x363	881x595x363
Net weight/Gross weight	kg	31/35	34/37
Part number		7SP061881	7SP061882
POWER SUPPLY 1~230V - 50 HZ			
Power supply side		Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5
Fuse rating am	A	16	16
Electrical connections	mm²	4x1.5	4x1.5
PIPE LINE			
Suction pipe diameter	inches	3/8"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"
Max length	m	15	20
Max height	m	10	10

AIRWELL SOLUTIONS





HND [ECODESIGN]

HIGH WALL MONO & MULTISPLIT

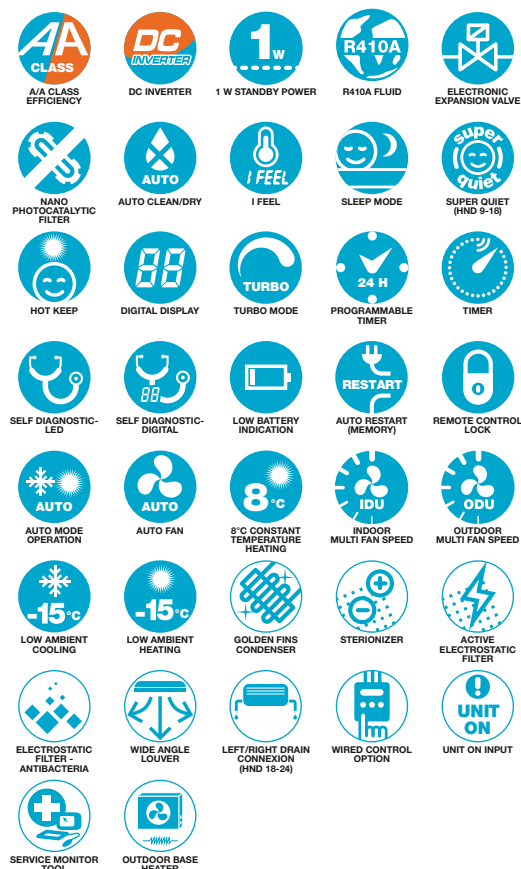
- q High wall line available in capacities 2.7 up to 7 kW.
- q -15°C operation in cooling and heating mode.
- q A++/A+ class efficiency – minimum energy consumption.
- q Turbo mode.
- q “I Feel” function with precise room temperature control.

PRODUCT ADVANTAGES

- Same indoor unit for multi and single applications.
- Full air quality solution include multi-layer filters electrostatic filter, photocatalytic and anti-bacterial filters as standard.
- 4 dimensional airflow for maximum comfort.
- Multifan speed in Indoor unit.
- Refrigerant leakage detecting alarm system.



RC08W

RCW8
(optional)

ACCESSORIES/OPTIONS

Acc.	Ref.	Photo	Description	Function
RCW8	7ACEL1706		Wired single control	Mode, Fan speed, Timer on-off, Temperature, Swing and “I Feel”.
Test Tool-for Hi-Wall M	7ACEL1710		Service test tool	Capability to view system parameters, history, failure records and parameter adjustments.
ON-OFF dry contact adaptor	7ACEL1190			Option to control from remote with the last operation memory.

HND TECHNICAL DATA

Indoor units		AWSI-HND009-N11	AWSI-HND012-N11	AWSI-HND018-N11	AWSI-HND024-N11
Outdoor units		AWAU-YND009-H11	AWAU-YND012-H11	AWAU-YND018-H11	AWAU-YND024-H11
COOLING					
Rated Capacity	kW	2.7 (1.0-3.3)	3.5 (1.2-3.8)	5 (1.4-6.2)	7.0 (2.8-7.6)
Pdesignc	kW	2.7	3.5	5.0	7.0
Input power	kW	0.69	1.09	1.56	2.32
SEER/Energy label		6.8/A++	6.8/A++	6.8/A++	5.8/A+
Operating limits	°C	-15°/50° Dry bulb			
HEATING					
Rated Capacity	kW	2.8 (1.0-3.5)	3.7 (1.2-4.0)	5.6 (1.4-6.5)	7.2 (2.8-7.8)
Pdesignh (average climate)	kW	2.8	3.6	5.1	6.4
Pdesignh (warmer climate)	kW	2.8	3.6	5.4	7.0
Input power	kW	0.7	0.88	1.55	2.11
SCOP/Energy label (average climate)		3.9/A	3.9/A	3.9/A	3.8/A
SCOP/Energy label (warmer climate)		4.8/A++	5.0/A++	4.8/A++	4.6/A++
Operating limits	°C	-15°/30° Dry bulb			
Capacity @ -10°C	kW	2.7	3.0	4.2	5.8
Capacity @ -15°C	kW	2.5	2.6	3.9	5.5
INDOOR UNIT					
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	28/37/40	28/37/41	34/40/47	45/48/51
Sound power level	dB(A)	53	57	58	64
Airflow (LS/MS/HS)	m³/h	350/460/530	380/490/630	650/780/1000	1050/1280/1450
Dehumidification	l/h	1.0	1.3	1.7	2.6
Outline dimensions (WxHxD)	mm	750x280x198	835x280x198	990x315x218	1186x340x258
Package dimensions (WxHxD)	mm	830x355x270	910x355x270	1065x400x300	1265x420x340
Net weight/Gross weight	kg	8/10.1	9/14	12.5/15.4	16.8/21.7
Part number		7SP022994	7SP022995	7SP022996	7SP022997
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	57	57	58	61
Sound power level	dB(A)	60	62	63	69
Airflow	m³/h	1800	1800	2200	2700
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	760x590x285	760x590x285	760x590x285	845x700x320
Package dimensions (WxHxD)	mm	887x645x355	887x645x355	887x645x355	965x755x395
Net weight/Gross weight	kg	32.8/35.2	32.9/35.2	36.4/38.8	51.2/54.5
Part number		7SP062817	7SP062818	7SP062819	7SP062820
POWER SUPPLY 1~230V - 50 HZ					
Power supply side		Indoor	Indoor	Indoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating	A	16	16	16	25
Electrical connections	mm²	4x1.5	4x1.5	4x1.5	5x2.5
PIPE LINE					
Suction pipe diameter	inches	3/8”	3/8”	1/2”	5/8”
Liquid pipe diameter	inches	1/4”	1/4”	1/4”	3/8”
Max length	m	20	20	20	25
Max height	m	8	8	8	10

AIRWELL SOLUTIONS





HKD [ECODESIGN]

HIGH WALL MONO & MULTISPLIT

- q High wall line available in capacities 2.7 up to 6.25 kW.
- q -15°C operation in cooling and heating mode.
- q A++/A+ class efficiency in cooling – minimum energy consumption.
- q Photocatalytic and antibacterial filters as standard.
- q “I Feel” function with precise room temperature control.

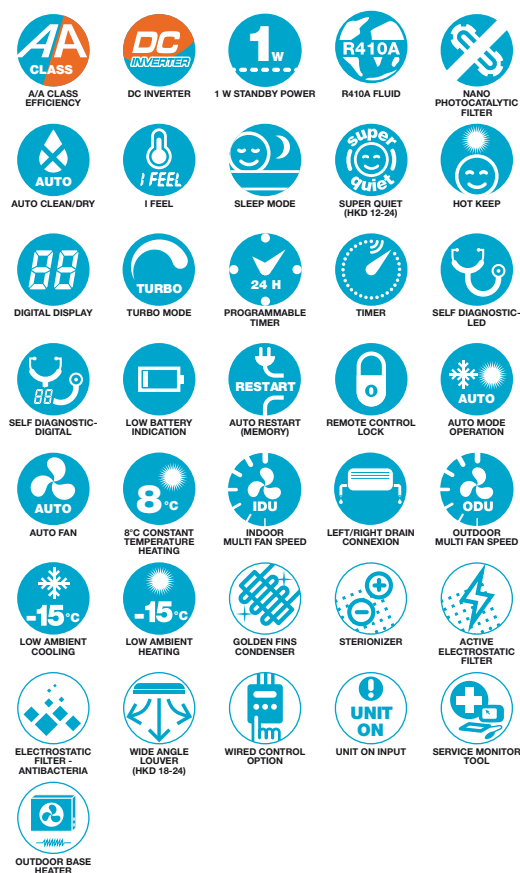


RC08B

RCW8
(optional)

PRODUCT ADVANTAGES

- Same indoor unit for multi and single applications.
- Refrigerant leakage detecting alarm system.
- Multifan speed in indoor unit.
- Self clean/dry.



ACCESSORIES/OPTIONS

Acc.	Ref.	Photo	Description	Function
RCW8	7ACEL1706		Wired single control	Mode, Fan speed, Timer on-off, Temperature, Swing and “I Feel”.
Test Tool-for Hi-Wall M	7ACEL1710		Service test tool	Capability to view system parameters, history, failure records and parameter adjustments.
ON-OFF dry contact adaptor	7ACEL1190			Option to control from remote with the last operation memory.

HKD TECHNICAL DATA

Indoor units		AWSI-HKD009-N11	AWSI-HKD012-N11	AWSI-HKD018-N11	AWSI-HKD024-N11
Outdoor units		AWAU-YKD009-H11	AWAU-YKD012-H11	AWAU-YKD018-H11	AWAU-YKD024-H11
COOLING					
Rated Capacity	kW	2.7 (1.0-3.2)	3.2 (1.2-3.8)	5.0 (1.4-6.2)	6.25 (2.5-7.2)
Pdesignc	kW	2.7	3.2	5.0	6.25
Input power	kW	0.79	1.00	1.66	2.08
SEER/Energy label		5.8/A+	5.8/A+	6.5/A++	6.2/A++
Operating limits	°C	-15°/50° Dry bulb			
HEATING					
Rated Capacity	kW	2.8 (1.0-3.4)	3.5 (1.2-4.0)	5.1 (1.4-6.4)	7.0 (2.5-7.5)
Pdesignh (average climate)	kW	2.4	3.05	4.8	6.3
Pdesignh (warmer climate)	kW	2.7	3.8	5.1	7.0
Input power	kW	0.72	0.97	1.41	2.18
SCOP/Energy label (average climate)		3.8/A	3.8/A	3.8/A	3.8/A
SCOP/Energy label (warmer climate)		4.8/A++	4.6/A++	4.8/A++	4.6/A++
Operating limits	°C	-15°/30° Dry bulb			
Capacity @ -10°C	kW	2.3	2.8	3.6	4.8
Capacity @ -15°C	kW	2.1	2.5	3.1	4.2
INDOOR UNIT					
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	30/38/42	31/39/43	33/40/43	41/47/50
Sound power level	dB(A)	58	58	58	64
Airflow (LS/MS/HS)	m³/h	440/540/620	430/550/630	400/480/730	900/1050/1150
Dehumidification	l/h	1.0	1.1	1.7	2.4
Outline dimensions (WxHxD)	mm	800x275x188	800x275x188	940x275x205	1045x315x235
Package dimensions (WxHxD)	mm	865x350x265	865x350x265	1015x350x265	1135x315x395
Net weight/Gross weight	kg	6.5/9.5	7.5/9.5	9.5/12.5	12.2/15.3
Part number		7SP022990	7SP022991	7SP022992	7SP022993
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	57	57	61	62
Sound power level	dB(A)	64	64	65	69
Airflow	m³/h	1800	1800	2200	2700
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	780x540x250	780x540x250	760x590x285	845x700x320
Package dimensions (WxHxD)	mm	910x585x335	910x585x335	887x645x355	965x755x395
Net weight/Gross weight	kg	27.5/30	27.5/29.5	35/37.5	46.7/50
Part number		7SP062813	7SP062814	7SP062815	7SP062816
POWER SUPPLY 1~230V - 50 HZ					
Power supply side		Indoor	Indoor	Indoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating	A	16	16	16	25
Electrical connections	mm²	4x1.5	4x1.5	4x1.5	5x2.5
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Max length	m	20	20	20	25
Max height	m	8	8	8	10

AIRWELL SOLUTIONS





HDDE [ECODESIGN]

HIGH WALL MONOSPLIT

- q High wall line available in capacities 2.6 up to 6.45 kW.
- q DC Inverter and sine wave compressor drive technology.
- q Photocatalytic and antibacterial prefilter.
- q -15°C operating in heating mode.
- q Cooling & heating operation mode.
- q "I Feel" function with precise room temperature control.



RC08A

PRODUCT ADVANTAGES

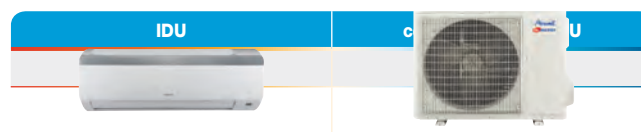
- A/A Class Efficiency. Minimum energy consumption.
- Automatic self clean and internal system drying.
- Self diagnostic by digital failure code indication.



HDDE TECHNICAL DATA

Indoor units		AWSI-HDDE009-N11	AWSI-HDDE012-N11	AWSI-HDDE018-N11	AWSI-HDDE024-N11
Outdoor units		AWAU-YDDE009-H11	AWAU-YDDE012-H11	AWAU-YDDE018-H11	AWAU-YDDE024-H11
COOLING					
Rated Capacity	kW	2.6 (0.45-3.23)	3.5 (0.6-3.96)	5.3 (1.2-6.3)	6.45 (2.53-6.55)
Pdesignnc	kW	2.6	3.5	5.3	6.45
Input power	kW	0.85	1.15	1.60	2.18
SEER/Energy label		5.6/A+	5.1/A	5.4/A	5.4/A
Operating limits	°C	10°/46° Dry bulb		5°/46° Dry bulb	
HEATING					
Rated Capacity	kW	3.0 (0.45-4.1)	3.8 (0.6-5.13)	5.6 (1.1-6.4)	7.0 (2.53-7.6)
Pdesignh (average climate)	kW	2.6	2.7	4.8	5.8
Pdesignh (warmer climate)	kW	2.8	3.5	5.3	6.2
Input power	kW	0.9	1.1	1.75	2.22
SCOP/Energy label (average climate)		3.8/A	3.8/A	3.8/A	3.8/A
SCOP/Energy label (warmer climate)		4.4/A+	4.2/A+	4.6/A++	4.6/A++
Operating limits	°C	-15°/24° Dry bulb			
Capacity @ -10°C	kW	2.4	2.5	3.9	4.4
Capacity @ -15°C	kW	2.1	2.2	3.3	4.0
INDOOR UNIT					
Sound pressure level to 1 m (LS/MS/HS/SS)	dB(A)	24/30/38/43	25/31/39/44	35/40/44/49	39/42/47/51
Sound power level (LS/MS/HS/SS)	dB(A)	34/40/48/55	35/41/49/56	46/51/55/60	49/52/57/63
Airflow (LS/MS/HS/SS)	m³/h	280/370/520/600	300/410/560/680	460/560/680/800	550/700/800/1000
Dehumidification	l/h	0.8	1.4	1.8	2
Outline dimensions (WxHxD)	mm	770x283x201	770x283x201	865x305x215	1008x319x221
Package dimensions (WxHxD)	mm	855x360x280	855x360x280	948x383x310	1076x398x328
Net weight/Gross weight	kg	8/11	9/12	12/15	14.5/17.5
Part number		7SP022904	7SP022905	7SP022906	7SP022907
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	51	53	55	58
Sound power level	dB(A)	62	62	65	68
Airflow	m³/h	1800	1800	3200	4000
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	766x540x320	848x540x320	955x700x396	980x790x427
Package dimensions (WxHxD)	mm	851x595x363	881x595x363	1029x750x458	1083x855x488
Net weight/Gross weight	kg	36/41	40/45	46/50	55.5/60.5
Part number		7SP061877	7SP061878	7SP061879	7SP061880
POWER SUPPLY 1~230V - 50 HZ					
Power supply side		Indoor	Indoor	Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5	3x2.5	3x2.5
Fuse rating am	A	16	16	25	25
Electrical connections	mm²	4x1.5	4x1.5	4x2.5	4x2.5
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"
Max length	m	15	20	25	25
Max height	m	10	10	10	10

AIRWELL SOLUTIONS





(Under development)

SXB [ECODESIGN]

Unique solutions



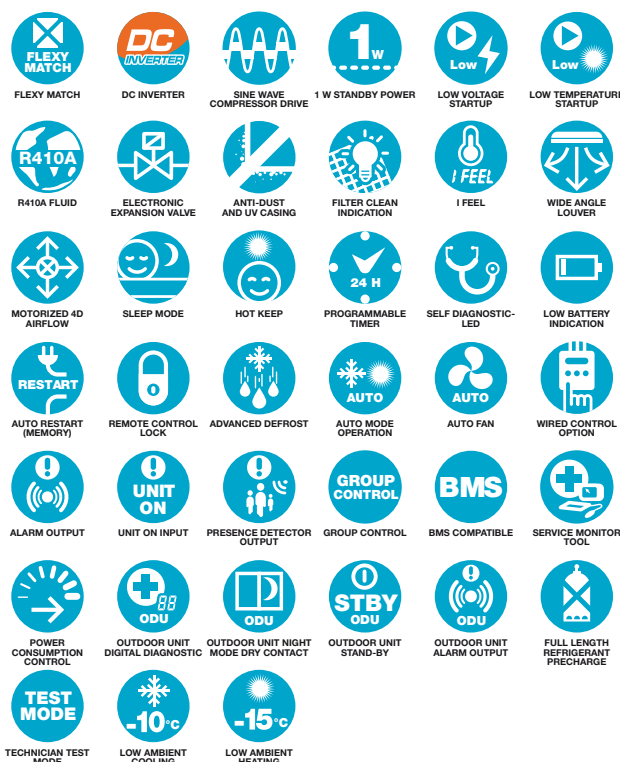
FLOOR CEILING MONO & PREMIUM MULTISPLIT

- q Floor and ceiling line available in capacities from 2.5 to 5 kW.
- q Cooling & heating operation mode.
- q DC Inverter and sine wave compressor drive technology (over 3.5 kW).
- q "I Feel" function with precise room temperature control.

New DC motor
with high efficiency.

PRODUCT ADVANTAGES

- Motorized air control in 4 directions, right to left and up to down.
- Possibility to connect to alarm output, unit ON/OFF output, human presence detector and group control.
- Operating in ambient temperature, up to -15°C in heating and -10°C in cooling.
- Pre charge to max tubing length.
- Heating only mode force option.
- DC motor with high efficiency.
- Treatment of corrosion on outdoor units and electronic cards.



ACCESSORIES/OPTIONS

Acc.	Ref.	Photo	Description	Additional accessory required	Function
RCW2	7ACEL1212		Wired group control.		- Control up to 32 Indoor unit as a group or individually. - Option to set up to 15 group zones. - Option to set timer (daily and weekly), mode, fan speed and swing.
RCL	7ACEL1447		Simple wired remote control.	CBI-B P/N7ACEL1616	Simple functions as: ON/OFF, operating mode, temperature up and down, fan speed selection and room temperature.
CBI-B	7ACEL1616		Communication interface board Heating model only option.	Kit is including cables.	- RS485, RCW2, RCL remote controls. - 1 dry contact input (selecting by dip switches). - Alarm status output (12V DC). - ON/OFF status output (12V DC).
KIT	7ACFH0221		Condensate lift pump.		Evacuate condensat.
KIT	7ACVF0122		Air distribution unit (SXB 9/12).		Possibility of air conditioning.
KIT	7ACVF0123		Air distribution unit (SXB 18).		Two separates rooms with on single unit.
KIT	7ACTL0073		Rear panel tube cover (SXB 9/12).		Cover the tubing.
KIT	7ACTL0074		Rear panel tube cover (SXB 18).		

SXB TECHNICAL DATA

Indoor units		AWSI-SXB009-N11	AWSI-SXB012-N11	AWSI-SXB018-N11
Outdoor units		AWAU-YBDE009-H11	AWAU-YBDE012-H11	AWAU-YBDE018-H11
COOLING				
Rated Capacity	kW	2.5 (1.4-3.6)	3.5 (1.5-4.4)	5 (1.5-5.8)
Pdesignnc	kW	2.5	3.5	5
Input power	kW	0.62	0.98	1.51
SEER/Energy label		5.20/A	5.30/A	5.10/A
Operating limits	°C	-10°/46° Dry bulb		
HEATING				
Rated Capacity	kW	3.2 (1.5-4.5)	4.2 (1.5-5.0)	5.6 (1.3-6.5)
Pdesignnh	kW	2.5	3.5	4.5
Input power	kW	0.93	1.31	1.59
SCOP/Energy label		3.40/A	3.60/A	3.60/A
Operating limits	°C	-15°/24° Dry bulb		
INDOOR UNIT				
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	29/37/42	30/41/45	40/48/51
Sound power level (LS/MS/HS)	dB(A)	41/49/54	51/53/56	56/60/65
Airflow (LS/MS/HS)	m³/h	300/350/400	300/350/400	600/750/870
Dehumidification	l/h	1	1.5	2
Outline dimensions (WxHxD)	mm	820x630x190	820x630x190	1200x630x190
Package dimensions (WxHxD)	mm	920x726x273	920x726x273	1300x726x273
Net weight/Gross weight	kg	21/25	22/26	30/35
Part number		7SP012219	7SP012220	7SP012221
OUTDOOR UNIT				
Sound pressure level to 1 m	dB(A)	51	52	53
Sound power level	dB(A)	61	62	65
Airflow	m³/h	1780	1780	2500
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	795x610x290	795x610x290	900x700x340
Package dimensions (WxHxD)	mm	970x650x394	970x650x394	985x730x435
Net weight/Gross weight	kg	38/42	38.5/42.5	56/58.5
Part number		7SP061819	7SP061820	7SP061886
POWER SUPPLY 1~230V - 50 HZ				
Power supply side		Indoor	Indoor	Indoor & Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x2.5
Fuse rating am	A	16	16	20
Electrical connections	mm²	4x1.5	4x1.5	4x1.5
PIPE LINE				
Suction pipe diameter	inches	3/8"	3/8"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"
Max length	m	20	20	30
Max height	m	10	10	15

AIRWELL SOLUTIONS





FBD [ECODESIGN]

FLOOR CEILING MONOSPLIT

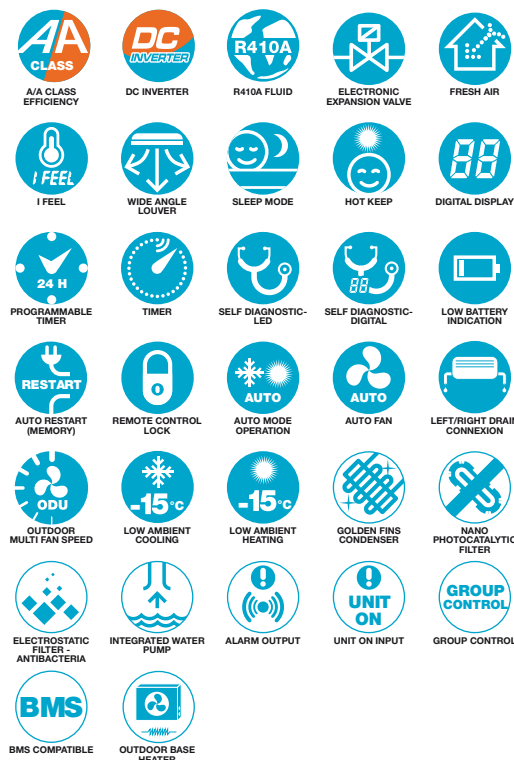
- q Floor and ceiling line available in capacities from 5.3 to 15.6 kW.
- q Cooling & heating operation mode.
- q DC Inverter and sine wave compressor drive technology.
- q "I Feel" function with precise room temperature control.
- q Available in 3PH from 10 kW.

PRODUCT ADVANTAGES

- Operating in ambient temperature, up to -15°C in heating and -15°C in cooling.
- Centralized controller up to 64 units including weekly timer (optional).
- Fresh air intake option.
- 4 dimensional airflow for maximum comfort.



RCW8B

RCW8
(optional)RCW6
(optional)

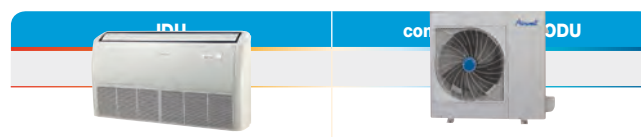
ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
RCW6	7ACEL1704		Wired single control	Mode, Fan speed (except for size 60), Real time, Timer, Temperature, Weekly Timer, Swing and "I Feel".
RCW8	7ACEL1706		Wired single control for FBD 18-48	Mode, Fan speed, Timer on-off, Temperature, Swing and "I Feel".
Central controller for LCAC-M	7ACEL1707		Central controller	Control up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory.
BMS-M	7ACEL1708		BMS gateway	

FBD TECHNICAL DATA

Indoor units		AWSI-FBD018-N11	AWSI-FBD024-N11	AWSI-FBD030-N11	AWSI-FBD036-N11	AWSI-FBD036-N11	AWSI-FBD048-N11	AWSI-FBD060-N11
Outdoor units 1-230V - 50 Hz		AWAU-YLD018-H11	AWAU-YLD024-H11	AWAU-YLD030-H11	AWAU-YLD036-H11	-	-	-
Outdoor units 3-400V - 50 Hz		-	-	-	-	AWAU-YLD036-H13	AWAU-YLD048-H13	AWAU-YLD060-H13
COOLING								
Rated Capacity	kW	5.3	7.2	8.5	10.5	10.2	14.0	15.6
Pdesignnc	kW	5.3	7.2	8.5	10.5	10.2	-	-
Input power	kW	1.26	2.24	2.82	3.48	3.39	4.36	4.86
SEER/Energy label		6.1/A++	6.4/A++	6.4/A++	6.0/A+	5.7/A+	3.21/A	3.21/A
Operating limits	°C	-15°/50° Dry bulb						
HEATING								
Rated Capacity	kW	5.9	7.8	9.0	11	11	14.6	17
Pdesignh (average climate)	kW	5.3	7.8	8.5	10.2	10.0	-	-
Input power	kW	1.49	2.10	2.42	3.05	3.05	4.04	4.70
SCOP/Energy label (average climate)		3.8/A	3.9/A	3.9/A	3.8/A	3.8/A	3.61/A	3.61/A
Operating limits	°C	-15°/24° Dry bulb						
Capacity @ -10°C	kW	4.3	7	7	8.3	8.5	11.6	12.7
Capacity @ -15°C	kW	3.7	6	6	7.2	7.3	10	11
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	46/43/40	46/50/55	46/50/55	44/49/54	44/49/54	51/54/57	51/54/57
Sound power level	dB(A)	60	63	64	65	65	68	69
Airflow (LS/MS/HS)	m³/h	600/750/900	1100/1250/1400	1450/1650/1850	1500/1850/2200	1500/1850/2200	1700/1900/2300	1700/1900/2300
Dehumidification	l/h	2	2.3	2.5	3.5	3.5	4.5	5.0
Outline dimensions (WxHxD)	mm	1068x675x235	1068x675x235	1285x675x235	1650x675x235	1650x675x235	1650x675x235	1650x675x235
Package dimensions (WxHxD)	mm	1145x755x313	1145x755x313	1360x755x313	1725x755x313	1725x755x313	1725x755x313	1725x755x313
Net weight/Gross weight	kg	25/31.5	25/30	30/35	40/46	40/46	40/46	43/50
Part number		7SP012225	7SP022998	7SP022999	7SP023000	7SP023000	7SP023001	7SP023002
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	60	60	61	63	63	63	64
Sound power level	dB(A)	66	69	70	70	70	70	70
Airflow	m³/h	2500	3500	3800	7200	7200	7200	7500
Compressor type		Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	845x700x320	900x860x315	900x860x315	990x965x345	990x965x345	938x1369x392	938x1369x392
Package dimensions (WxHxD)	mm	965x755x395	1043x915x395	1043x915x395	1120x1100x435	1120x1100x435	1095x1505x495	1095x1505x495
Net weight/Gross weight	kg	46/50	59/63	59/63	73/83	77/88	102.5/116	102.5/116
Part number 1-230V - 50 Hz		7SP062822	7SP062823	7SP062824	7SP062825	-	-	-
Part number 3-400V - 50 Hz		-	-	-	-	7SP062826	7SP062827	7SP062828
POWER SUPPLY 1-230V - 50 HZ								
Power supply side		Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	-	-	-
Power cable section	mm²	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x4.0	-	-	-
Fuse rating am	A	10+16	10+20	10+30	10+30	-	-	-
Electrical connections	mm²	3x0.5	3x0.5	3x0.5	3x0.5	-	-	-
POWER SUPPLY 3-400V - 50 HZ								
Power supply side		-	-	-	-	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²	-	-	-	-	3x1.0+5x2.5	3x1.0+5x2.5	3x1.0+5x2.5
Fuse rating am	A	-	-	-	-	10+20	10+25	10+25
Electrical connections	mm²	-	-	-	-	3x0.5	3x0.5	3x0.5
PIPE LINE								
Suction pipe diameter	inches	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"
Liquid pipe diameter	inches	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Max length	m	30	50	50	65	65	65	65
Max height	m	20	25	25	30	30	30	30

AIRWELL SOLUTIONS





FWDE [ECODESIGN]

Unique solutions



FLEXY MATCH



ADVANCED CONTROL OPTIONS

FLOOR CEILING MONOSPLIT

- q Floor ceiling line available in capacities from 3.5 to 6.8 kW.
- q Cooling operation mode.
- q Glossy designed unit.
- q DC Inverter and sine wave compressor drive technology.
- q "I Feel" function with precise room temperature control.
- q Very low ambient operating temperature.



RC08W

PRODUCT ADVANTAGES

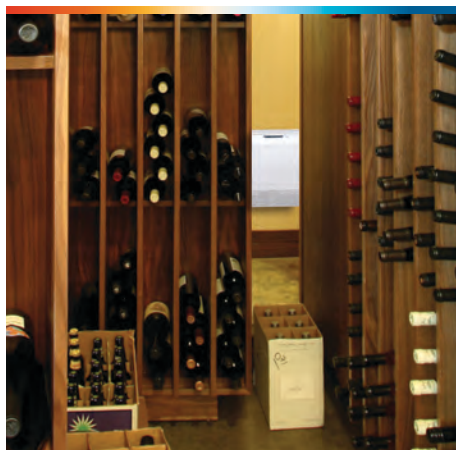
- Dedicated design for wine cellars. Cooling operation up to -10°C outside and go down up to 12°C inside.
- Precharge to max tubing length up to 20 m.
- Fuzzy logic to control compressor by outdoor fan and electronic expansion valve in extrem low operation temperature.
- Treatment of corrosion on outdoor units and electronic cards.



FWDE TECHNICAL DATA

Indoor units		AWSI-FWDE012-N11	AWSI-FWDE018-N11	AWSI-FWDE024-N11
Outdoor units		AWAU-YBDE012-H11	AWAU-YBDE018-H11	AWAU-YBDE024-H11
COOLING				
Capacity	kW	3.5 (1.5-4.4)	5.0 (1.5-5.8)	6.8 (1.5-7.6)
Pdesignnc	kW	3.5	5.0	6.8
Input power	kW	0.98	1.51	2.25
SEER/Energy label		5.61/A+	5.1/A	5.1/A
Operating limits	°C	-10°/46° Dry Bulb		
INDOOR UNIT				
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	30/41/45	40/48/51	46/50/54
Sound power level (LS/MS/HS)	dB(A)	51/53/56	56/60/65	58/63/66
Airflow (LS/MS/HS)	m³/h	300/350/400	600/750/870	800/950/1020
Dehumidification	l/h	1.5	2	2.5
Outline dimensions (WxHxD)	mm	820x630x190	1200x630x190	1200x630x190
Package dimensions (WxHxD)	mm	920x726x273	1300x726x273	1300x726x273
Net weight/Gross weight	kg	22/26	30/35	32/36
Part number		7SP012204	7SP012206	7SP012205
OUTDOOR UNIT				
Sound pressure level to 1 m	dB(A)	52	53	59
Sound power level	dB(A)	62	63	69
Airflow	m³/h	1780	2160	3600
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	795x610x290	795x610x290	950x864x340
Package dimensions (WxHxD)	mm	970x650x394	970x650x394	1140x930x510
Net weight/Gross weight	kg	38.5/42.5	38/41	65.5/73
Part number		7SP061820	7SP061884	7SP061885
POWER SUPPLY 1~230V - 50 HZ				
Power supply side		Indoor	Indoor	Outdoor
Power cable section	mm²	3x1.5	3x2.5	3x2.5
Fuse rating am	A	16	20	25
Electrical connections	mm²	4x1.5	4x2.5	4x1.5
PIPE LINE				
Suction pipe diameter	inches	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"
Max length	m	20	20	30
Max height	m	10	10	15

AIRWELL SOLUTIONS





XAD | ECODESIGN |

CONSOLE MONOSPLIT MULTISPLIT Q Only size 12

- q Console line available in capacities 3.5 and 4.7 kW.
- q Cooling & heating operation mode.
- q "I Feel" function with precise room temperature control.



RC08B

RCW8
(optional)RCW6
(optional)

PRODUCT ADVANTAGES

- Wide operating temperature -15°C in heating and cooling.
- Airflow direction control, up or down for comfort selection.
- Four air inlet direction.
- Easy for maintenance.



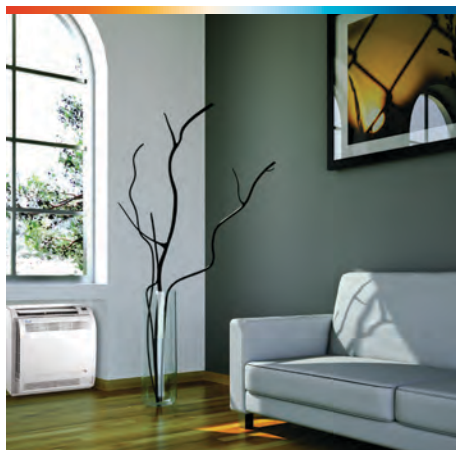
ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
RCW6	7ACEL1704		Wired single control	Mode, Fan speed (except for size 60), Real time, Timer, Temperature, Weekly Timer, Swing and "I Feel".
RCW8	7ACEL1706		Wired single control for FBD 18-48	Mode, Fan speed, Timer on-off, Temperature, Swing and "I Feel".

XAD TECHNICAL DATA

Indoor units		AWSI-XAD012-N11	AWSI-XAD018-N11
Outdoor units		AWAU-YLD012-H11	AWAU-YLD018-H11
COOLING			
Rated Capacity	kW	3.5	4.7
Pdesignc	kW	3.5	4.7
Input power	kW	1.09	1.55
SEER/Energy label		6.1/A++	5.6/A+
Operating limits	°C	-15°/50° Dry bulb	
HEATING			
Rated Capacity	kW	3.6	5.0
Pdesignh (average climate)	kW	3.5	5.0
Input power	kW	0.99	1.38
SCOP/Energy label (average climate)		3.8/A	3.8/A
Operating limits	°C	-15°/24° Dry bulb	
Capacity @ -10°C	kW	3.1	4.1
Capacity @ -15°C	kW	2.6	3.5
INDOOR UNIT			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	36/42/47	39/44/48
Sound power level	dB(A)	58	60
Airflow (LS/MS/HS/SS)	m³/h	440/560/640/700	560/640/700/740
Dehumidification	l/h	1.5	2.0
Outline dimensions (WxHxD)	mm	700x600x210	700x600x210
Package dimensions (WxHxD)	mm	810x710x305	810x710x305
Net weight/Gross weight	kg	15/20	15/20
Part number		7SP071403	7SP071404
OUTDOOR UNIT			
Sound pressure level to 1 m	dB(A)	58	60
Sound power level	dB(A)	62	66
Airflow	m³/h	2200	2500
Compressor type		Rotary DC Inverter	Rotary DC Inverter
Outline dimensions (WxHxD)	mm	760x590x285	845x700x320
Package dimensions (WxHxD)	mm	887x645x355	965x755x395
Net weight/Gross weight	kg	35.4/37.9	46/50
Part number		7SP062821	7SP062822
POWER SUPPLY 1~230V - 50 HZ			
Power supply side		Outdoor	Indoor & Outdoor
Power cable section	mm²	3x1.5	3x1.0+3x2.5
Fuse rating am	A	16	10+16
Electrical connections	mm²	4x1.0	3x0.5
PIPE LINE			
Suction pipe diameter	inches	3/8"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"
Max length	m	20	30
Max height	m	10	20

AIRWELL SOLUTIONS



CNE [ECODESIGN]



Unique solutions



FLEXY MATCH



ADVANCED CONTROL OPTIONS

CASSETTE 600x600 MONO & PREMIUM MULTISPLIT

- q Cassette line available in capacities from 2.5 to 6.8 kW.
- q Cooling & heating operation mode.
- q DC Inverter and sine wave compressor drive technology.
- q "I Feel" function with precise room temperature control.

PRODUCT ADVANTAGES

- Temperature control adjustment according to installation height.
- Available with 625x625 mm panel.
- Compact design, only 219 mm unit net height (CNE 9/12).
- Possibility to connect to alarm output, unit ON/OFF output, human presence detector and group control.
- Fresh air supplied.
- Heating only mode force option.
- Treatment of corrosion on outdoor units and electronic cards.



RC08W

RCW2
(optional)

ACCESSORIES/OPTIONS

Acc.	Ref.	Photo	Description	Additional accessory required	Function
RCW2	7ACEL1212		Wired group control.		- Control up to 32 Indoor unit as a group or individually. - Option to set up to 15 group zones. - Option to set timer (daily and weekly), mode, fan speed and swing.
RCL	7ACEL1447		Simple wired remote control.	CBI-B P/N7ACEL1616	Simple functions as: ON/OFF, operating mode, temperature up and down, fan speed selection and room temperature.
CBI-B	7ACEL1616		Communication interface board Heating model only option.	Kit is including cables.	- RS485, RCW2, RCL remote controls. - 1 dry contact input (selecting by dip switches). - Alarm status output (12V DC). - ON/OFF status output (12V DC).

CNE TECHNICAL DATA

Indoor units		AWSI-CNE009-N11	AWSI-CNE012-N11	AWSI-CNE018-N11	AWSI-CNE024-N11
Outdoor units		AWAU-YBDE009-H11	AWAU-YBDE012-H11	AWAU-YBDE018-H11	AWAU-YBDE024H11
COOLING					
Capacity	kW	2.5 (1.5-3.6)	3.5 (1.7-4.3)	5 (1.5-5.8)	6.8 (1.5-8.0)
Pdesignnc	kW	2.5	3.5	5.0	6.8
Input power	kW	0.59	0.96	1.55	2.19
SEER/Energy label		5.7/A+	5.61/A+	5.2/A	5.7/A+
Operating limits	°C	-10°/46° Dry bulb			
HEATING					
Capacity	kW	3.2 (1.5-4.8)	4.2 (1.6-5.5)	5.6 (1.3-6.8)	7.3 (1.5-9.0)
Pdesignnh	kW	2.5	3.5	4.6	6.0
Input power	kW	0.6	0.97	1.38	1.92
SCOP/Energy label		4.0/A+	4.0/A+	4.0/A	4.0/A
Operating limits	°C	-15°/24° Dry bulb			
Capacity @ -10°C	kW			4.4	5.1
Capacity @ -15°C	kW	2.2	2.25	3.9	4.6
INDOOR UNIT					
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	28/30/32	28/31/34	30/33/36	36/38/40
Sound power level	dB(A)	49	51	55	60
Airflow (LS/MS/HS)	m³/h	320/370/420	320/390/470	500/560/620	580/640/700
Dehumidification	l/h	0.7	1.5	2.5	2.8
Outline dimensions (WxHxD)	mm	575x575x219	575x575x219	575x575x270	575x575x270
Package dimensions (WxHxD)	mm	681x681x297	681x681x297	681x681x348	681x681x348
Net weight/Gross weight	kg	12.9/16.2	12.9/16.2	15.2/18.7	15.5/19
Part number		7SP022913	7SP022914	7SP022915	7SP022916
FRAME 625x625					
Outline dimensions (WxHxD)	mm	625x40x625	625x40x625	625x40x625	625x40x625
Package dimensions (WxHxD)	mm	700x103x700	700x103x700	700x103x700	700x103x700
Net weight/Gross weight	kg	2.2/3.4	2.2/3.4	2.2/3.4	2.2/3.4
Part number frame 625x625		7ACVF0478	7ACVF0478	7ACVF0478	7ACVF0478
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	51	52	53	55
Sound power level	dB(A)	61	62	65	67
Airflow	m³/h	1780	1780	2500	2750
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	795x610x290	795x610x290	900x700x340	900x700x340
Package dimensions (WxHxD)	mm	970x650x394	970x650x394	985x730x435	985x730x435
Net weight/Gross weight	kg	38/42	38.5/42.5	56/58.5	61/63.5
Part number		7SP061819	7SP061820	7SP061886	7SP061887
POWER SUPPLY 1~230V - 50 HZ					
Power supply side		Indoor	Indoor	Indoor & Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x2.5	3x2.5
Fuse rating am	A	16	16	20	20
Electrical connections	mm²	4x1.5	4x1.5	4x1.5	4x1.5
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Max length	m	20	20	30	30
Max height	m	10	10	15	15

X

AIRWELL SOLUTIONS



CBD [ECODESIGN]



CASSETTE MONOSPLIT MULTISPLIT Q Only size 12

- q Cassette line available in capacities from 3.5 to 12.5 kW.
- q Cooling & heating operation mode.
- q DC Inverter and sine wave compressor drive technology.
- q "I Feel" function with precise room temperature control.
- q Available in 3PH from 10 kW.

PRODUCT ADVANTAGES

- Operating in ambient temperature, up to -15°C in heating and -15°C in cooling.
- 360 degree flow with round corners.
- Fresh air (optional).
- Centralized controller up to 64 units including weekly timer (optional).
- Size 12 can also match to multi ODU.
- Twin application:



Capacity combinations	Indoor units	Outdoor units
Twin system	18K + 18K	36K
	24K + 24K	48K
	30K + 30K	60K



A/A CLASS EFFICIENCY



DC INVERTER



R410A FLUID



FRESH AIR



I FEEL



MULTIFLOW 360°



SLEEP MODE



HOT KEEP



TIMER



SELF DIAGNOSTIC-LED



SELF DIAGNOSTIC-DIGITAL



LOW BATTERY INDICATION



RESTART



REMOTE CONTROL LOCK



INTEGRATED WATER PUMP



ALARM OUTPUT



UNIT ON



LOW AMBIENT COOLING



LOW AMBIENT HEATING



TWIN APPLICATION



GOLDEN FINS CONDENSER



GROUP CONTROL



BMS COMPATIBLE



OUTDOOR BASE HEATER

Tubing & charge instructions	12k	18k	24k	30k	36k	48k
Pipe diameter (liquid-gas) (mm)	6.35-9.52	6.35-12.7	9.52-15.9	9.52-15.9	9.52-15.9	9.52-15.9
Max length (m)	20	30	50	50	65	65
Max. length difference (m)	10	20	25	25	30	30
Tubing length (m)	5	5	5	5	5	5
Additional charge (g/m)	11	11	30	30	30	30

ACCESSORIES/OPTIONS

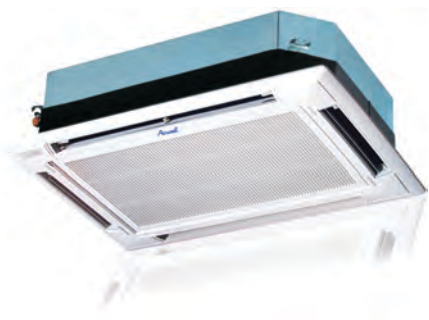
Acc.	Reference	Photo	Description	Function
RCW6	7ACEL1704		Wired single control for CBD 24-48	Mode, Fan speed, Real time, Timer, Temperature, Weekly Timer, Swing and "I Feel".
RCW8	7ACEL1706		Wired single control	Mode, Fan speed, Timer on-off, Temperature, Swing and "I Feel".
Central controller for LCAC-M	7ACEL1707		Central controller	Control up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory.
BMS-M	7ACEL1708		BMS gateway	
Branch Gas	7ACFH0476			1st tube branch to collect all suction lines.
Branch Liquid	7ACFH0477			2ed tube branch to collect all liquid lines.

CBD TECHNICAL DATA

Indoor units		AWSI-CBD012-N11	AWSI-CBD018-N11	AWSI-CBD024-N11	AWSI-CBD030-N11	AWSI-CBD036-N11	AWSI-CBD036-N11	AWSI-CBD048-N11
Outdoor units 1-230V - 50 Hz		AWAU-YLD012-H11	AWAU-YLD018-H11	AWAU-YLD024-H11	AWAU-YLD030-H11	AWAU-YLD036-H11	-	-
Outdoor units 3-400V - 50 Hz		-	-	-	-	-	AWAU-YLD036-H13	AWAU-YLD048-H13
COOLING								
Rated Capacity	kW	3.5	5.0	7.2	8.5	10.0	10.0	12.5
Pdesignnc	kW	3.5	5.0	7.2	8.5	10.0	10.0	-
Input power	kW	1.09	1.65	2.24	2.82	3.32	3.32	3.89
SEER/Energy label		5.6/A+	5.6/A+	6.1/A++	6.4/A++	5.4/A	5.4/A	3.21/A
Operating limits	°C	-15°/50° Dry bulb						
HEATING								
Rated Capacity	kW	3.5	5.3	8.0	8.6	10.5	10.5	13.0
Pdesignnh (average climate)	kW	3.5	5.3	7.8	8.1	10.0	10.0	-
Input power	kW	0.97	1.47	2.15	2.34	2.91	2.91	3.60
SCOP/Energy label (average climate)		3.8/A	3.8/A	3.9/A	3.9/A	3.8/A	3.8/A	3.61/A
Operating limits	°C	-15°/24° Dry bulb						
Capacity @ -10°C	kW	3.1	4.4	6.6	6.7	8.7	8.7	10.4
Capacity @ -15°C	kW	2.7	3.7	5.7	5.8	7.5	7.2	9.1
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	46/43/40	47/43/39	45/47/50	45/48/52	46/49/53	46/49/53	47/50/54
Sound power level	dB(A)	55	60	62	62	63	63	64
Airflow (LS/MS/HS)	m³/h	560/710/800	560/710/800	1300/1500/1700	1400/1600/1850	1400/1600/1850	1400/1600/1850	1600/1800/2200
Dehumidification	l/h	1.5	2	2.5	3	3.8	3.8	4.5
Outline dimensions (WxHxD)	mm	570x260x570	570x260x570	840x245x840	840x245x840	840x245x840	840x245x840	840x287x840
Package dimensions (WxHxD)	mm	655x290x655	655x290x655	900x265x900	900x265x900	900x265x900	900x265x900	900x292x900
Net weight/Gross weight	kg	16/19	18/21	24/28	26.5/30.5	26.5/30.5	26.5/30.5	29/33
Part number		7SP042234	7SP042240	7SP042224	7SP042225	7SP042226	7SP042226	7SP042227
FRAME (INCLUDED IN THE INDOOR UNIT)								
Outline dimensions (WxHxD)	mm	647x50x647	647x50x647	950x55x950	950x55x950	950x55x950	950x55x950	950x55x950
Package dimensions (WxHxD)	mm	715x123x715	715x123x715	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
Net weight/Gross weight	kg	2.5/4.5	2.5/4.5	5/8	5/8	5/8	5/8	5/8
Part number frame		7ACVF0565	7ACVF0565	7ACVF0564	7ACVF0564	7ACVF0564	7ACVF0564	7ACVF0564
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	58	60	60	61	63	63	63
Sound power level	dB(A)	62	66	69	70	70	70	70
Airflow	m³/h	2200	2500	3500	3800	7200	7200	7200
Compressor type		Rotary DCI	Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	760x590x285	845x700x320	900x860x315	900x860x315	990x965x345	990x965x345	938x1369x392
Package dimensions (WxHxD)	mm	887x645x355	965x755x395	1043x915x395	1043x915x395	1120x1100x435	1120x1100x435	1095x1505x495
Net weight/Gross weight	kg	35.4/37.9	46/50	59/63	59/63	73/83	77/88	102.5/116
Part number 1-230V - 50 Hz		7SP062821	7SP062822	7SP062823	7SP062824	7SP062825	-	-
Part number 3-400V - 50 Hz		-	-	-	-	-	7SP062826	7SP062827
POWER SUPPLY 1~230V - 50 HZ								
Power supply side		Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	-	-
Power cable section	mm²	3x1.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x4.0	-	-
Fuse rating am	A	16	10+16	10+20	10+30	10+30	-	-
Electrical connections	mm²	4x1.0	3x0.5	3x0.5	3x0.5	3x0.5	-	-
POWER SUPPLY 3~400V - 50 HZ								
Power supply side		-	-	-	-	-	Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²	-	-	-	-	-	3x1.0+5x2.5	3x1.0+5x2.5
Fuse rating am	A	-	-	-	-	-	10+20	10+25
Electrical connections	mm²	-	-	-	-	-	3x0.5	3x0.5
PIPE LINE								
Suction pipe diameter	inches	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Max length	m	20	30	50	50	65	65	65
Max height	m	10	20	25	25	30	30	30

AIRWELL SOLUTIONS





CAD [ECODESIGN]

CASSETTE 950x1340 MONOSPLIT

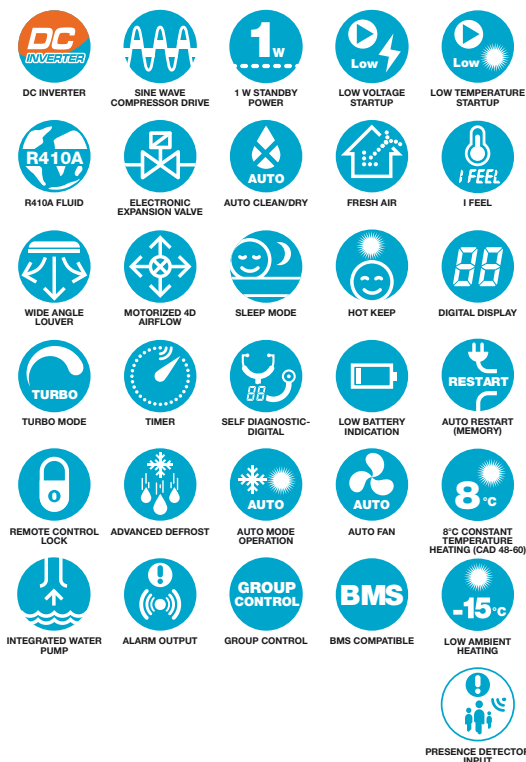
- q Cassette line available in capacity of 16 kW.
- q Cooling & heating operation mode.
- q DC Inverter and sine wave compressor drive technology.
- q "I Feel" function with precise room temperature control.



RWW01

PRODUCT ADVANTAGES

- Operating in ambient temperature, up to -15°C in heating and -15°C in cooling.
- Fresh air (optional).
- Centralized controller up to 16 units including weekly timer (optional).



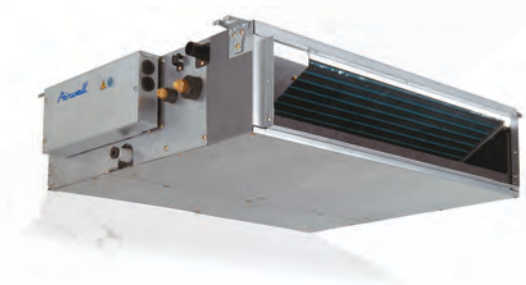
CAD TECHNICAL DATA

Indoor unit		AWSI-CAD060-N11
Outdoor unit		AWAU-YUDA060-H13
COOLING		
Capacity	kW	16.0 (7.4-16.5)
Pdesignnc	kW	16.0
Input power	kW	5.70
SEER/Energy label		5.1/A
Operating limits	°C	-15°/48° Dry bulb
HEATING		
Capacity	kW	16.5 (6.2-18.5)
Pdesignh	kW	12.5
Input power	kW	4.60
SCOP/Energy label		3.8/A
Operating limits	°C	-15°/24° Dry bulb
Capacity @ -10°C	kW	12.00
Capacity @ -15°C	kW	10.96
INDOOR UNIT		
Sound pressure level to 1 m (LS/MS/HS/SS)	dB(A)	41/47/53/54
Sound power level	dB(A)	63
Airflow (LS/MS/HS)	m³/h	1500/1570/1660
Dehumidification	l/h	5
Outline dimensions (WxHxD)	mm	910x910x293
Package dimensions (WxHxD)	mm	1023x993x375
Net weight/Gross weight	kg	43/50
Part number		7SP042219
FRAME		
Outline dimensions (WxHxD)	mm	1040x65x1040
Package dimensions (WxHxD)	mm	1134x125x1134
Net weight/Gross weight	kg	7.5/11.5
Part number frame		7ACVF0556
OUTDOOR UNIT		
Sound pressure level to 1 m	dB(A)	63
Sound power level	dB(A)	73
Airflow	m³/h	7200
Compressor type		Twin Rotary DCI
Outline dimensions (WxHxD)	mm	1085x1365x427
Package dimensions (WxHxD)	mm	1143x1505x478
Net weight/Gross weight	kg	124/136
Part number 3~400V - 50 Hz		7SP062793
POWER SUPPLY 3~400V - 50 HZ		
Power supply side		Indoor & Outdoor
Power cable section	mm²	3x1.5 - 5x4.0
Fuse rating am	A	10 - 25
Electrical connections	mm²	2x0.75
PIPE LINE		
Suction pipe diameter	inches	3/4"
Liquid pipe diameter	inches	3/8"
Max length	m	50
Max height	m	30

AIRWELL SOLUTIONS



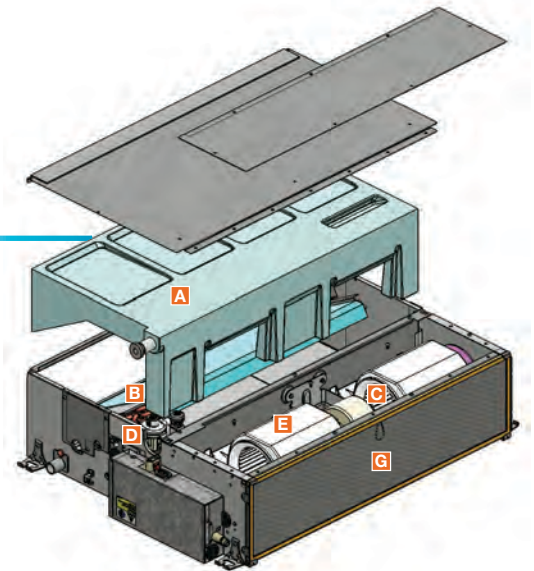
Unique
solutions



DLF

COMPREHENSIVE STRUCTURE DESIGN

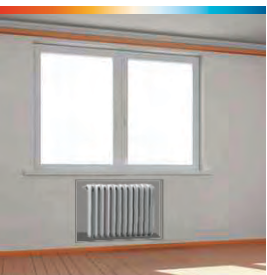
- | | |
|-----------------------------------|---------------------|
| A Drain pan | E Fan |
| B Coil | F Controller |
| C DC motor | G Air filter |
| D Water pump + water level | |



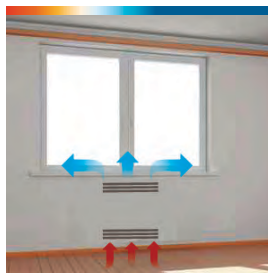
Vertical installation

- q Vertical installation with compact dimensions, only 200 mm dept.
- q The best solution for replacing radiator.
- q The best solution in places that no space for ceiling installation.
- q Create a clean and modern design after installation.

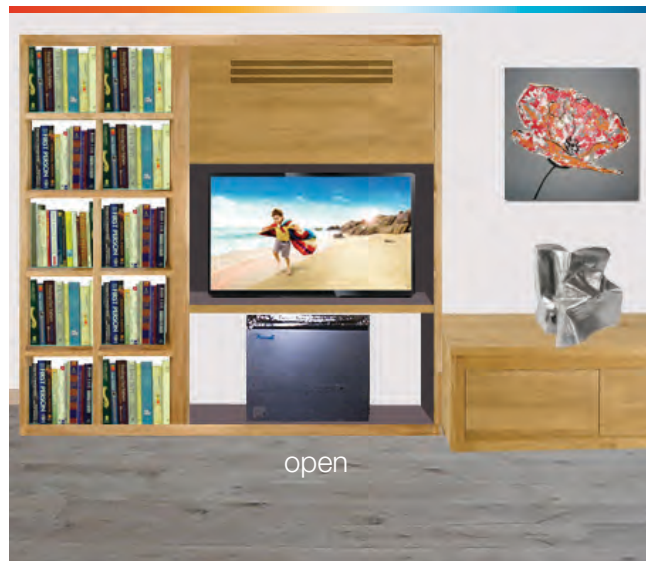
【 BEFORE 】



【 AFTER 】

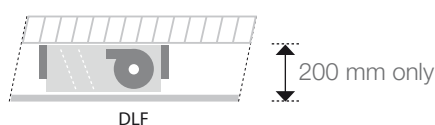
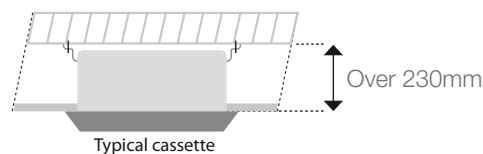


【 COMBINATION MODERN CONSTRUCTION 】



Horizontal installation

- q Space saving by minimizing the requirement of the ceiling height.
- q Ideal solution for hotel and bedroom due the super quiet and extremely compact design.



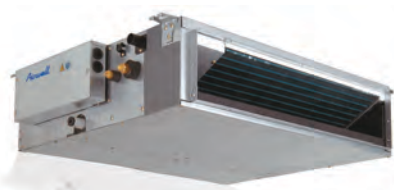
DLF [ECODESIGN]

Unique solutions



DUCTED LOW STATIC PRESSURE MONO & PREMIUM MULTISPLIT

- q Ducted line available in capacities from 2.5 up to 7 kW.
- q Cooling & heating operation mode.
- q DC Inverter and sine wave compressor drive technology.
- q "I Feel" function with precise room temperature control.

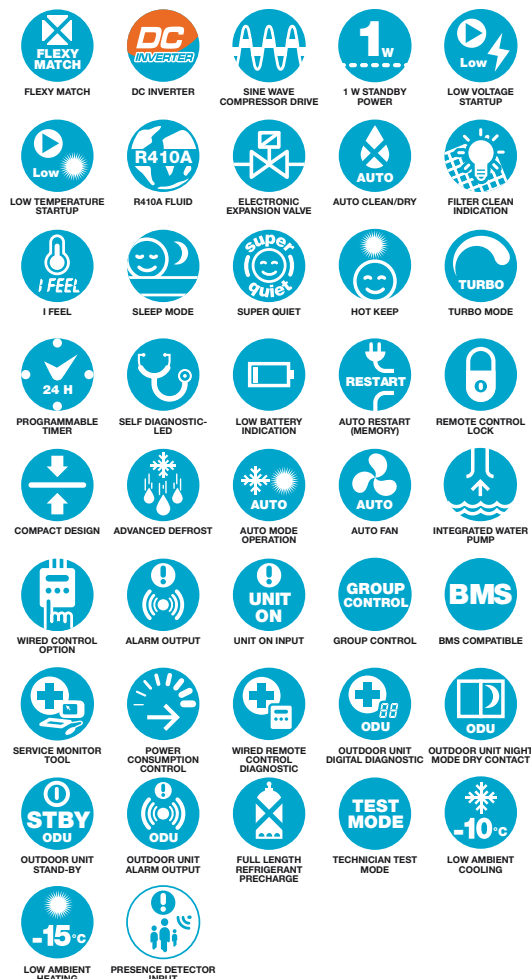


RC08W

RCW2
(optional)

PRODUCT ADVANTAGES

- Unique and advanced design for horizontal or vertical installation.
- Low silhouette only 200 mm.
- Unit is equipped with water pump and overflow switch protector.
- Super quiet line thanks to advance aerodynamic fans and DC motor.
- Heating mode only force option.
- Treatment of corrosion on outdoor units and electronic cards.



ACCESSORIES/OPTIONS

Acc.	Ref.	Photo	Description	Additional accessory required	Function												
RCW2	7ACEL1212		Wired group control.		- Control up to 32 Indoor unit as a group or individually. - Option to set up to 15 group zones. - Option to set timer (daily and weekly), mode, fan speed and swing.												
RCL	7ACEL1447		Simple wired remote control.	CBI-B P/N7ACEL1616	Simple functions as: ON/OFF, operating mode, temperature up and down, fan speed selection and room temperature.												
CBI-B	7ACEL1616		Communication interface board Heating model only option.	Kit is including cables.	- RS485, RCW2, RCL remote controls. - 1 dry contact input (selecting by dip switches). - Alarm status output (12V DC). - ON/OFF status output (12V DC) (depends connection indoor model name)												
Duct plenum for DLF 9/12/18	7ACVF0516		Duct plenum for DLF-9/12/18.		<table><tr><td></td><td>Option 1</td><td>Option 2</td></tr><tr><td>DLF 9-12</td><td>2x6"</td><td>-</td></tr><tr><td>DLF 18</td><td>3x6"</td><td>1x6" + 1x8"</td></tr><tr><td>DLF 24</td><td>4x6"</td><td>1x6" + 2x8"</td></tr></table>		Option 1	Option 2	DLF 9-12	2x6"	-	DLF 18	3x6"	1x6" + 1x8"	DLF 24	4x6"	1x6" + 2x8"
	Option 1	Option 2															
DLF 9-12	2x6"	-															
DLF 18	3x6"	1x6" + 1x8"															
DLF 24	4x6"	1x6" + 2x8"															
Duct plenum for DLF 21/24	7ACVF0517		Duct plenum for DLF-21/24.		Round duct connection with the following combination.												

DLF TECHNICAL DATA

Indoor units		AWSI-DLF009-N11	AWSI-DLF012-N11	AWSI-DLF018-N11	AWSI-DLF024-N11
Outdoor units		AWAU-YBDE009-H11	AWAU-YBDE012-H11	AWAU-YBDE018-H11	AWAU-YBDE024-H11
COOLING					
Capacity	kW	2.5 (1.4-3.6)	3.5 (1.4-4.3)	5.0 (1.5-5.8)	7.0 (1.5-7.5)
Pdesignc	kW	2.5	3.5	5.0	7.0
Input power	kW	0.63	0.95	1.23	1.70
SEER/Energy label		5.7/A+	5.61/A+	5.4/A	5.6/A+
Operating limits	°C	-10°/46° Dry bulb			
HEATING					
Capacity	kW	3.4 (1.5-5.0)	4.3 (1.5-5.8)	5.6 (1.3-6.8)	7.6 (1.5-8.8)
Pdesignh	kW	2.5	3.5	4.8	7.5
Input power	kW	0.87	1.16	1.52	1.78
SCOP/Energy label		4.00/A+	4.00/A+	3.9/A	3.8/A
Operating limits	°C	-15°/24° Dry bulb			
Capacity @ -10°C	kW			5.3	5.4
Capacity @ -15°C	kW			4.7	4.8
INDOOR UNIT					
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	23/26/29	24/27/31	29/32/35	32/35/39
Sound power level (LS/MS/HS)	dB(A)	44/47/50	45/49/53	48/51/54	56/59/63
Airflow (LS/MS/HS)	m³/h	490/560/620	490/580/650	540/600/710	900/950/1150
External static pressure Range	Pa	0-30	0-30	0-40	0-40
Dehumidification	l/h	0.5	1	1.8	2.7
Outline dimensions (WxHxD)	mm	750x630x200	750x630x200	750x630x200	1050x630x200
Package dimensions (WxHxD)	mm	890x710x243	890x710x243	890x710x243	1190x710x243
Net weight/Gross weight	kg	20/23	20/23	21/23	25/28
Part number		7SP022746	7SP022747	7SP022748	7SP022749
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	51	52	53	55
Sound power level	dB(A)	61	62	65	67
Airflow	m³/h	1780	1780	2500	2750
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	795x610x290	795x610x290	900x700x340	900x700x340
Package dimensions (WxHxD)	mm	970x650x394	970x650x394	985x730x435	985x730x435
Net weight/Gross weight	kg	38/42	38.5/42.5	56/58.5	61/63.5
Part number		7SP061819	7SP061820	7SP061886	7SP061887
POWER SUPPLY 1~230V - 50 HZ					
Power supply side		Indoor	Indoor	Indoor & Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x2.5	3x2.5
Fuse rating am	A	16	16	20	20
Electrical connections	mm²	4x1.5	4x1.5	4x1.5	4x1.5
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Max length	m	20	20	30	30
Max height	m	10	10	15	15

AIRWELL SOLUTIONS



DCD [ECODESIGN]



DUCTED MSP MONOSPLIT MULTISPLIT Q Only size 12

- q Ducted line available in capacities from 3.5 up to 16 kW.
- q Cooling & heating operation mode.
- q DC Inverter and sine wave compressor drive technology.
- q "I Feel" function with precise room temperature control.
- q Available in 3PH from 10 kW.

PRODUCT ADVANTAGES

- Air return option from rear or bottom side.
- Option for parallel operation of two similar indoor units with one outdoor unit (only in 18, 24 & 30 IDU models).
- Build in drain water pump.
- Option to connect to central controller or wireless remote control.
- Twin application:



Capacity combinations	Indoor units	Outdoor units
Twin system	18K + 18K	36K
	24K + 24K	48K
	30K + 30K	60K

Tubing & charge instructions	12k	18k	24k	30k	36k	48k
Pipe diameter (liquid-gas) (mm)	6.35-9.52	6.35-12.7	9.52-15.9	9.52-15.9	9.52-15.9	9.52-15.9
Max length (m)	20	30	50	50	65	65
Max. length difference (m)	10	20	25	25	30	30
Tubing length (m)	5	5	5	5	5	5
Additional charge (g/m)	11	11	30	30	30	30

ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
Panel for DCD12	7ACVF0559		Air return grill DCD12	
Front board for DCD12	7ACEL1699		Air duct plenum DCD12	
Panel for DCD18/24	7ACVF0561		Air return grill DCD 18/24	
Front board for DCD18/24	7ACEL1701		Air duct plenum DCD 18/24	
Front board for DCD30	7ACEL1702		Air duct plenum DCD30/36/48	
Panel for DCD30	7ACVF0562		Air return grill DCD30	
Panel for DCD36/48	7ACVF0563		Air return grill DCD36/48	
RCW6	7ACEL1704		Wired single control	Mode, Fan speed, Real time, Timer, Temperature, Weekly Timer, Swing and "I Feel".
Central controller for LCAC-M	7ACEL1707		Central controller	Control up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory.
BMS-M	7ACEL1708		BMS gateway	
Branch Gas	7ACFH0476			1st tube branch to collect all suction lines.
Branch Liquid	7ACFH0477			2ed tube branch to collect all liquid lines.



A/A CLASS EFFICIENCY



DC INVERTER



R410A FLUID



ELECTRONIC EXPANSION VALVE



STERIONIZER



FRESH AIR



I FEEL



SLEEP MODE



HOT KEEP



DIGITAL DISPLAY



24 H



TIMER



SELF DIAGNOSTIC-LED



SELF DIAGNOSTIC-DIGITAL



LOW BATTERY INDICATION



RESTART



REMOTE CONTROL LOCK



AUTO MODE OPERATION



AUTO FAN



INTEGRATED WATER PUMP



ALARM OUTPUT



UNIT ON INPUT



ODU



OUTDOOR MULTI FAN SPEED



LOW AMBIENT COOLING



TWIN APPLICATION



GROUP CONTROL



BMS COMPATIBLE



OUTDOOR BASE HEATER

DCD TECHNICAL DATA

Indoor units		AWSI-DCD012-N11	AWSI-DCD018-N11	AWSI-DCD024-N11	AWSI-DCD030-N11	AWSI-DCD036-N11	AWSI-DCD036-N11	AWSI-DCD048-N11	AWSI-DCD060-N11
Outdoor units 1-230V - 50 Hz		AWAU-YLD012-H11	AWAU-YLD018-H11	AWAU-YLD024-H11	AWAU-YLD030-H11	AWAU-YLD036-H11	-	-	-
Outdoor units 3-400V - 50 Hz		-	-	-	-	-	AWAU-YLD036-H13	AWAU-YLD048-H13	AWAU-YLD060-H13
COOLING									
Rated Capacity	kW	3.5	5.3	7	8.3	10	10.2	14.0	16.0
Pdesignc	kW	3.5	5.3	7	8.3	10	10.2	-	-
Input power	kW	1.09	1.65	2.18	2.76	3.32	3.39	4.36	4.97
SEER/Energy label		5.1/A	6.4/A++	6.6/A++	6.3/A++	5.3/A	5.1/A	3.21/A	3.22/A
Operating limits	°C	-15°/50° Dry bulb							
HEATING									
Rated Capacity	kW	3.8	5.6	7.8	9.2	11.0	11.0	17	19.5
Pdesignh (average climate)	kW	3.4	5.1	7.8	8.5	10.2	10.2	-	-
Input power	kW	1.05	1.47	2.14	2.48	3.05	3.05	4.57	5.39
SCOP/Energy label (average climate)		3.8/A	3.8/A	3.8/A	3.8/A	3.8/A	3.8/A	3.72/A	3.62/A
Operating limits	°C	-15°/24° Dry bulb							
Capacity @ -10°C	kW	3	4.3	6.6	6.9	9	8.5	13.6	15.6
Capacity @ -15°C	kW	2.7	3.6	5.8	5.9	7.9	7.8	11	12.6
INDOOR UNIT									
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	36/39/41	39/43/45	39/43/46	40/44/48	36/39/42	36/39/42	36/39/42	51/54/57
Sound power level	dB(A)	57	58	63	65	62	62	62	67
Airflow (LS/MS/HS)	m³/h	520/610/800	1000/1100/1400	1250/1400/1700	1450/1750/2000	1650/1890/2270	1650/1890/2270	1940/2410/3010	1940/2410/3010
External static pressure Range	Pa	30 (0-40)	30 (0-70)	40 (0-70)	50 (0-80)	50 (0-80)	50 (0-80)	70 (0-100)	70 (0-100)
Dehumidification	l/h	1.5	2.0	2.3	2.5	3.5	3.5	4.5	5.0
Outline dimensions (WxHxD)	mm	700x210x635	920x270x635	920x270x635	1140x270x775	1200x300x865	1200x300x865	1200x300x865	1400x440x858
Package dimensions (WxHxD)	mm	915x290x655	1135x350x655	1135x350x655	1355x350x795	1385x373x920	1385x373x920	1385x373x920	1590x470x895
Net weight/Gross weight	kg	18/22.8	28/31.5	28/31.5	35/42	44/52.5	44/52.5	44/53	75/83
Part number		7SP032158	7SP032159	7SP032142	7SP032143	7SP032144	7SP032144	7SP032145	7SP032146
OUTDOOR UNIT									
Sound pressure level to 1 m	dB(A)	58	60	60	61	63	63	63	64
Sound power level	dB(A)	62	66	69	70	70	70	70	70
Airflow	m³/h	2200	2500	3500	3800	7200	7200	7200	7500
Compressor type		Rotary DCI	Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	760x590x285	845x700x320	900x860x315	900x860x315	990x965x345	990x965x345	938x1369x392	938x1369x392
Package dimensions (WxHxD)	mm	887x645x355	965x755x395	1043x915x395	1043x915x395	1120x1100x435	1120x1100x435	1095x1505x495	1095x1505x495
Net weight/Gross weight	kg	35.4/37.9	46/50	59/63	59/63	73/83	77/88	102.5/116	102.5/116
Part number 1-230V - 50 Hz		7SP062821	7SP062822	7SP062823	7SP062824	7SP062825	-	-	-
Part number 3-400V - 50 Hz		-	-	-	-	-	7SP062826	7SP062827	7SP062828
POWER SUPPLY 1-230V - 50 HZ									
Power supply side		Outdoor	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	-	-	-
Power cable section	mm²	3x1.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x4.0	-	-	-
Fuse rating am	A	16	10+16	10+20	10+30	10+30	-	-	-
Electrical connections	mm²	4x1.0	3x0.5	3x0.5	3x0.5	3x0.5	-	-	-
POWER SUPPLY 3-400V - 50 HZ									
Power supply side		-	-	-	-	-	Ind. & Out.	Ind. & Out.	Ind. & Out.
Power cable section	mm²	-	-	-	-	-	3x1.0+5x2.5	3x1.0+5x2.5	3x1.0+5x2.5
Fuse rating am	A	-	-	-	-	-	10+20	10+25	10+25
Electrical connections	mm²	-	-	-	-	-	3x0.5	3x0.5	3x0.5
PIPE LINE									
Suction pipe diameter	inches	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Max length	m	20	30	50	50	65	65	65	65
Max height	m	10	20	25	25	30	30	30	30

AIRWELL SOLUTIONS





Unique
solutions

DLSE Plus VAV





Product range

- q Flexy Match DLSE ducted 5/7/8/10/12KW.
- q Most advanced ducted unique line with comprehensive horizontal fan design.
- q Two options of VAV dampers rectangular or round type.
- q Motorized damper with DC step motor for accurate damper position.

Energy and cost saving

- q Simple application cost compare to Multi or mini VRF.
- q Two levels of energy saving:
Level A- By the inverter system follow the area load.
Level B- By adjusting the airflow and eliminate load from non used rooms.

Easy installation

- q Simple wiring connection by connectors and set up. ⁽¹⁾
- q Pre charge system with tubing up to 70 m.
- q Standard indoor unit.
- q Option to locate the control box beside the unit.
- q Water pump and over flow switch build in

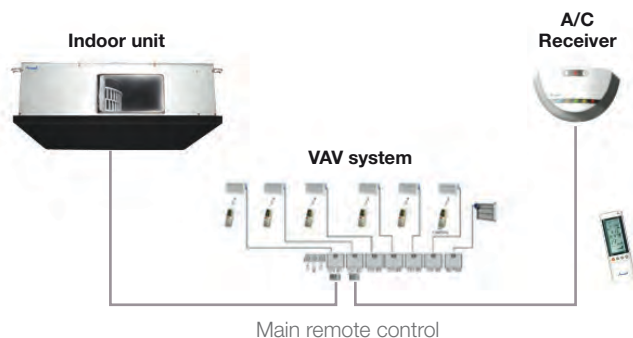


Zone control function

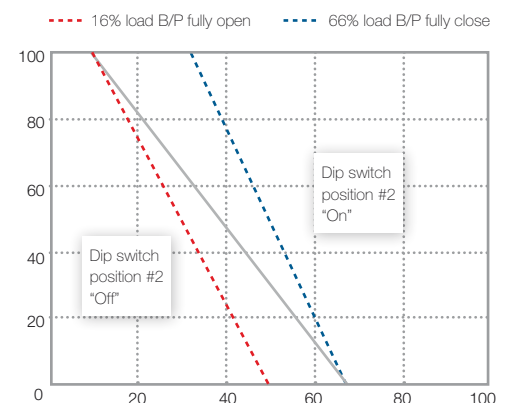
- q Each zone has a stand alone remote control, to control temperature, I Feel and ON/OFF
- q Option to define automatic damper movement or manually to keep max opening position.
- q I Feel function to measure local temperature.
- q Stop the system while all rooms reach the set temperatures and change the motor speed to low load ⁽²⁾
- q By pass damper operate according to system load, the damper position logic has an option to set up a different logic formula.
- q Auto deducting of operating mode cooling or heating for damper control logic

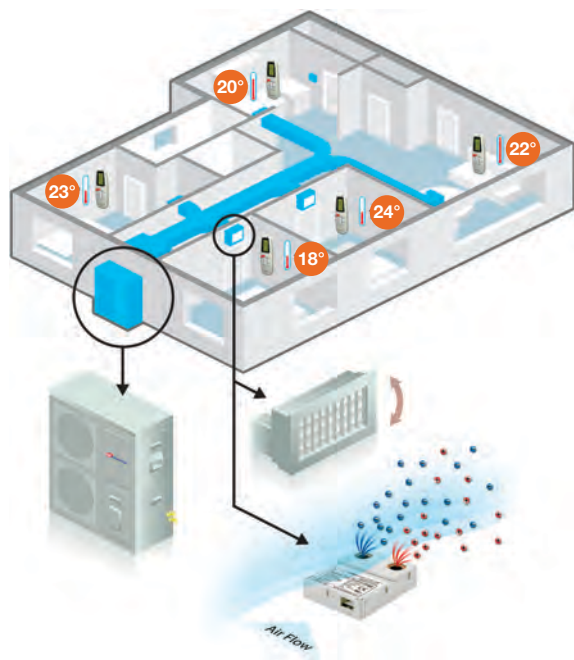


(1) [VERY SIMPLE INSTALLATION]



(2) [BY PASS DAMPER OPERATION]





How to order

- q The indoor and outdoor unit are standards Flexy Match.
- q For each installation need to select first the damper type, round or rectangular.
- q The main controller is identical except the set up that done during the installation.
- q Possibility to mix round and rectangular damper.
- q Once damper type selected order the grills, by pass damper and the controller follow the below tables.

ROUND TYPE ACCESSORIES

Part Description	Product Code
Main Controller VAV Kit	7ACEL1641
Motorized Round Damper (D=150mm) Kit	7ACEL1648
Motorized Round Damper (D=200mm) Kit	7ACEL1649
Motorized Round Damper (D=250mm) Kit	7ACEL1650
Motorized ByPass Round Damper (D=200mm) Kit	7ACEL1651
Motorized ByPass Round Damper (D=250mm) Kit	7ACEL1652

RECTANGULAR TYPE ACCESSORIES

Part Description	Product Code
Main Controller VAV Kit	7ACEL1641
Motorized Grill (30cm x 15cm) Kit	7ACEL1642
Motorized Grill (40cm x 15cm) Kit	7ACEL1643
Motorized Grill (50cm x 15cm) Kit	7ACEL1644
Motorized Bypass damper (40cm x 15cm) Kit	7ACEL1645
Motorized Bypass damper (50cm x 15cm) Kit	7ACEL1646
Duct Frame profile for grille 150mm	7ACVF0551
Duct Frame profile for grille 300mm	7ACVF0552
Duct Frame profile for grille 400mm	7ACVF0553
Duct Frame profile for grille 500mm	7ACVF0554



DLSE [ECODESIGN]

DLSE+VAV

Unique solutions



DUCTED MEDIUM STATIC PRESSURE MONO & PREMIUM MULTISPLIT

- q Ducted line available in capacities from 5 up to 12.5 kW.
- q Cooling & heating operation mode.
- q Wireless remote control included with option of wired control.
- q "I Feel" function with precise room temperature control.



RC7



RCW2 (optional)

New DC motor with high efficiency.

PRODUCT ADVANTAGES

- Quiet operation by using special aerodynamic centrifugal fan.
- Unit is equipped with water pump and overflow switch protector.
- Space saving due to low unit height and compact dimensions.
- Tubing length up to 50 m and different height of 25 m.
- External static pressure up to 100 Pa.
- Treatment of corrosion on outdoor units and electronic cards.



ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Additional accessory required	Function
RCW2	7ACEL1212		Wired group control.		- Control up to 32 Indoor unit as a group or individually. - Option to set up to 15 group zones. - Option to set timer (daily and weekly), mode, fan speed and swing.
RCL	7ACEL1447		Simple wired remote control.	CBI-B P/N7ACEL1616	Simple functions as: ON/OFF, operating mode, temperature up and down, fan speed selection and room temperature.
CBI-B	7ACEL1616		Communication interface board Heating model only option.	Kit is including cables.	- RS485, RCW2, RCL remote controls. - 1 dry contact input (selecting by dip switches). - Alarm status output (12V DC). - ON/OFF status output (12V DC).

DLSE TECHNICAL DATA

Indoor units		AWSI-DLSE018-N11	AWSI-DLSE024-N11	AWSI-DLSE030-N11	AWSI-DLSE036-N11		DLSE 43 DCI R410 AW	
Outdoor units		AWAU-YBDE018-H11	AWAU-YBDE024-H11	AWAU-YBDE030-H11	AWAU-YBD036-H11	AWAU-YBD036-H13	AWAU-YBD042-H11	AWAU-YAD042-H13
COOLING								
Rated Capacity	kW	5.0 (2.3-5.9)	6.8 (1.7-7.4)	7.5 (2.8-8.4)	9.5 (4.8-12.5)	9.5 (4.8-12.5)	12.5 (4.5-14.5)	12.5 (4.5-14.5)
Pdesigngc	kW	5.0	6.8	7.5	9.5	9.5	-	-
Input power	kW	1.22	1.93	2.46	3.31	3.04	3.73	3.56
SEER/Energy label		5.8/A+	5.4/A	5.5/A	5.6/A+	4.7/B	3.35/A	3.51/A
Operating limits	°C	-10°/46° Dry bulb						
HEATING								
Rated Capacity	kW	5.6 (1.9-7.5)	7.6 (1.8-8.5)	8.6 (2.8-9.4)	10.5 (2.7-12.5)	11.6 (4.9-12.5)	14.0 (4.5-16.0)	14.0 (4.5-16.0)
Pdesignnh		5.5	7.5	8.6	9.5	10.5	-	-
Input power	kW	1.35	1.88	2.31	2.80	3.00	4.1	3.99
SCOP/Energy label		3.9/A	3.8/A	3.9/A	3.8/A	3.9/A	3.41/B	3.51/B
Operating limits	°C	-15°/24° Dry bulb						
Capacity @ -10°C	kW	5.3	5.8	7.1	6.9	8.9	9.3	9.3
Capacity @ -15°C	kW	4.7	5.2	6.3	6.2	8.0	8.3	8.3
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS/SS)	dB(A)	35/38/41/43	38/42/45/48	39/43/46/48	41/45/46/48	41/45/46/48	42/46/53	42/46/53
Sound power level (LS/MS/HS/SS)	dB(A)	52/55/58/60	55/59/62/65	56/60/63/65	56/61/63/65	56/61/63/65	57/61/70	57/61/70
Airflow (LS/MS/HS/SS)	m³/h	740/875/1060/1150	870/1090/1220/1410	950/1140/1290/1410	1290/1550/1670/1750	1290/1550/1670/1750	1315/1530/2025	1250/1450/2025
External static pressure Range	Pa	25 (25~60)	25 (25~80)	25 (25~80)	37 (37~100)	37 (37~100)	50 (50~100)	50 (50~100)
Dehumidification	l/h	1.5	2.3	2.7	3.5	4.6	3.3	3.8
Outline dimensions (WxHxD)	mm	790x256x749	790x256x749	790x256x749	854x297x816	854x297x816	854x297x816	854x297x816
Package dimensions (WxHxD)	mm	960x300x855	960x300x855	960x300x855	1005x345x915	1005x345x915	1005x345x915	1005x345x915
Net weight/Gross weight	kg	29/31.5	30/32.5	31/33.5	33/35.5	33/35.5	33/35.5	33/35.5
Part number		7SP032154	7SP032155	7SP032156	7SP032157	7SP032157	7SP032087	7SP032087
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	53	55	56	58	58	58	58
Sound power level	dB(A)	65	67	68	69	69	70	70
Airflow	m³/h	2500	2750	3400	4150	4150	5700	5700
Compressor type		Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Scroll DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	900x700x340	900x700x340	900x860x340	900x970x340	900x970x340	900x1250x340	900x1250x340
Package dimensions (WxHxD)	mm	985x730x435	985x730x435	985x905x435	985x1020x435	985x1020x435	980x1400x420	980x1400x420
Net weight/Gross weight	kg	56/58.5	61/63.5	66/68.5	80/82.8	85/87.8	110/121	110/121
Part number 1~230V - 50 Hz		7SP061886	7SP061887	7SP061888	7SP061811	-	7SP061815	-
Part number 3~400V - 50 Hz		-	-	-	-	7SP061900	-	7SP061757
POWER SUPPLY 1~230V - 50 HZ								
Power supply side		Ind. & Out.	Outdoor	Outdoor	Outdoor	-	Outdoor	-
Power cable section	mm²	3x2.5	3x2.5	3x2.5	3x4.0	-	3x6.0	-
Fuse rating	A	20	20	20	25	-	32	-
Electrical connections	mm²	4x1.5	4x1.5	4x1.5	3x1.5 + 2x0.75	-	3x1.5 + 2x0.75	-
POWER SUPPLY 3~400V - 50 HZ								
Power supply side		-	-	-	-	Outdoor	-	Outdoor
Power cable section	mm²	-	-	-	-	5x2.5	-	5x2.5
Fuse rating am	A	-	-	-	-	3x16	-	3x16
Electrical connections	mm²	-	-	-	-	3x1.5 + 2x0.75	-	3x1.5 + 2x0.75
PIPE LINE								
Suction pipe diameter	inches	1/2"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"
Liquid pipe diameter	inches	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Max length	m	30	30	50	70	70	70	70
Max height	m	15	15	25	30	30	30	30

AIRWELL SOLUTIONS



[**ECO**DESIGN] Multisplit DCI Range Combination Table

[MODEL NAME]				KW	BTU/H	Max. Num. of Indoors	Page
PREMIUM LINE	YAZE2-18			5	18 000	2	70 & 72
	YAZE3-24			7.1	24 000	3	70 & 73
	YAZE4-30			8	30 000	4	70 & 74
	YAZE5-36			10	36 000	5	70 & 75

[CLASSIC INDOORS UNITS]

High Wall
HJD



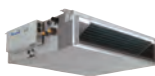
Floor Ceiling
SXB



Cassette
CNE



Ducted LSP
DLF



Ducted MSP
DLSE



[EC COMPLY]

[EC COMPLY]

[EC COMPLY]

[EC COMPLY]

[EC COMPLY]

[EC COMPLY]

[EC COMPLY]

[EC COMPLY]

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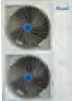
[EC COMPLY]

[EC COMPLY]

[EC COMPLY]

[EC COMPLY] Comply with ECO Design regulation
[EC COMPLY] Product which is not included in ECO Design regulation
[*] Not European Comply

[ECO DESIGN] Multisplit DCI Range Combination Table

[MODEL NAME]		KW	BTU/H	Max. Num. of Indoors	Page
RESIDENTIAL LINE	YCZ2-18 	5.2	18 000	2	76 & 78
	YCZ3-27 	7.8	26 500	3	76 & 78
	YCZ4-30 	8.2	30 000	4	76 & 79
	YCZ5-36 	10.5	36 000	5	76 & 80

[MODEL NAME]		KW	BTU/H	Max. Num. of Indoors	Page
RESIDENTIAL LINE	YBZE2-18 	5	18 000	2	82 & 84
	YBZE3-24 	7.1	24 000	3	82 & 84
	YBZE4-30 	8	27 000	4	82 & 85

[RESIDENTIAL INDOOR UNITS]

High Wall
HKD 09/12/18



High Wall
HND 09/12/18



Console
XAD 12



Cassette
CBD 12



Ducted MSP
DCD 12



[EC COMPLY]

[EC COMPLY]

[EC COMPLY]

[EC COMPLY]

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[EC COMPLY]

[RESIDENTIAL INDOOR UNIT]

High Wall
HZDE 09/12/18



[EC COMPLY]

[EC COMPLY]

[EC COMPLY]

- [EC COMPLY] Comply with ECO Design regulation
- [EC COMPLY] Product which is not included in ECO Design regulation
- [*] Not European Comply

YAZE [ECODESIGN]

Unique solutions



PREMIUM MULTISPLIT DUO/TRIO/QUATTRO/CINCO

- q Capacity range available in 4 capacities from 5 up to 9.5 kW.
- q DC Inverter and sine wave compressor drive technology.

COMPATIBLE WITH

HIGH WALL HJD



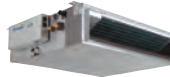
FLOOR CEILING SXB



CASSETTE CNE



DUCTED LSP DLF



DUCTED MSP DLSE



PRODUCT ADVANTAGES

- **Flexy match** with wide range of indoor unit including HJD, SXB, CNE, DLSE, DLF lines.
- Precharge to maximum tubing length up to 80 m.
- Possibility to connect to alarm output, unit ON/OFF, night mode and power consumption level.
- Fuzzy logic for precise capacity balance between indoor unit under operation.
- Same indoor for multi and single application.



YAZE TECHNICAL DATA

Outdoor units		AWAU- YAZE218-H11	AWAU- YAZE324-H11	AWAU- YAZE430-H11	AWAU- YAZE536-H11
COOLING					
Rated Capacity	kW	5 (1.2-6.4)	7.35 (1.3-9)	8 (1.4-9.2)	9.5 (2.0-11.0)
Pdesignnc	kW	5	7.35	8	9.5
Input power	kW	1.47	2.24	2.38	2.81
SEER/Energy label		5.61/A+	5.61/A+	5.61/A+	4.7/B
Operating limits	°C	-10°/46° Dry bulb			
HEATING					
Rated Capacity	kW	6.0 (1.0-6.8)	9.2 (0.95-11)	9.8 (0.95-11)	11.5 (2.4-12.5)
Pdesignnh	kW	5.0	7.5	8.5	11.5
Input power	kW	1.7	2.36	2.71	2.65
SCOP/Energy label		4.00/A+	4.00/A+	4.00/A+	4.5/A+
Operating limits	°C	-15°/24° Dry bulb			
Capacity @ -10°C	kW	3.8	6.82	7.55	8.6
Capacity @ -15°C	kW	3.41	6.2	6.8	7.7
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	53	57	57	58
Sound power level	dB(A)	63	69	69	69
Airflow	m³/h	2160	3600	3600	4150
Compressor type		Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	795x610x290	950x864x413	950x864x413	900x970x340
Package dimensions (WxHxD)	mm	970x655x395	1070x940x510	1070x940x510	985x1020x435
Net weight/Gross weight	kg	39/42	69/75	70/76	85/87.8
Part number		7SP091164	7SP091162	7SP091163	7SP091161
POWER SUPPLY 1~230V - 50 HZ					
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x2.5	3x2.5	3x2.5	3x2.5
Fuse rating am	A	20	25	25	25
Electrical connections	mm²	2x (4x1.5)	3x (4x1.5)	4x (4x1.5)	5x (4x1.5)
PIPE LINE					
Suction pipe diameter	inches	2x3/8"	2x3/8" + 1x1/2"	3x3/8" + 1x1/2"	3x3/8" + 2x1/2"
Liquid pipe diameter	inches	2x1/4"	3x1/4"	4x1/4"	5x1/4"
Max length	m	30	50	70	80
Max length per circuit	m	25	25	25	25
Max height between indoor and outdoor units	m	10	15	15	15
Max height between indoor units	m	5	15	15	15

AIRWELL SOLUTIONS





YAZE2-18 [ECODESIGN]

PREMIUM MULTISPLIT DUO

Unique solutions



FLEX MATCH



ADVANCED CONTROL OPTIONS

COMPATIBLE WITH

HIGH WALL **HJD**



FLOOR CEILING **SXB**



CASSETTE **CNE**



DUCTED LSP **DLF**



DUCTED MSP **DLSE**



CAPACITY COMBINATION

Mandatory to connect all IDU

Indoor units combinations	COOLING											HEATING										
	Capacity (kW)							Input power (kW)			EER	Capacity (kW)							Input power (kW)			COP
	A	B	C	D	Totale	Min	Max	Nom.	Min	Max		A	B	C	D	Totale	Min	Max	Nom.	Min	Max	
9	2.50				2.50	1.20	3.60	0.70	0.42	1.00	3.57	3.00				3.00	1.00	4.00	0.83	0.38	1.50	3.61
12	3.50				3.50	1.20	4.30	1.00	0.42	1.20	3.50	4.00				4.00	1.00	4.50	1.10	0.38	1.70	3.64
9+9	2.50	2.50			5.00	1.80	6.00	1.47	0.55	2.10	3.40	3.00	3.00			6.00	2.00	6.50	1.66	0.58	1.80	3.61
9+12	2.14	2.86			5.00	1.80	6.30	1.47	0.55	2.13	3.40	2.57	3.43			6.00	2.00	6.65	1.66	0.58	1.89	3.61
12+12	2.50	2.50			5.00	1.80	6.40	1.47	0.55	2.13	3.40	3.00	3.00			6.00	2.00	6.80	1.66	0.58	1.89	3.61

Based on wall mounted combination



YAZE3-24 [ECODESIGN]

Unique solutions



FLEX MATCH



ADVANCED CONTROL OPTIONS

PREMIUM MULTISPLIT TRIO

COMPATIBLE WITH

HIGH WALL **HJD**



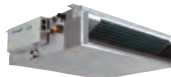
FLOOR CEILING **SXB**



CASSETTE **CNE**



DUCTED LSP **DLF**



DUCTED MSP **DLSE**



CAPACITY COMBINATION

Mandatory to connect all IDU

Indoor units combinations	COOLING											HEATING										
	Capacity (kW)							Input power (kW)			EER	Capacity (kW)							Input power (kW)			COP
	A	B	C	D	Totale	Min	Max	Nom.	Min	Max		A	B	C	D	Totale	Min	Max	Nom.	Min	Max	
9	2.50	-	-	-	2.50	1.30	3.70	0.69	0.50	1.03	3.65	3.40	-	-	-	3.40	0.95	4.00	0.69	0.50	0.90	4.96
12	3.50	-	-	-	3.50	1.30	4.40	0.97	0.50	1.22	3.62	4.30	-	-	-	4.30	0.95	5.20	1.00	0.49	1.32	4.29
18	-	-	-	5.00	5.00	1.49	5.93	1.39	0.57	1.66	3.59	-	-	-	6.20	6.20	1.11	7.50	1.67	0.55	2.13	3.71
9+9	2.60	2.60	-	-	5.19	1.86	6.56	1.53	0.68	1.86	3.39	3.68	3.68	-	-	7.36	1.43	9.10	1.93	0.65	2.64	3.81
9+12	3.49	2.62	-	-	6.11	1.86	7.73	1.82	0.68	2.54	3.35	3.33	4.44	-	-	7.77	1.43	9.50	2.06	0.65	2.71	3.77
9+18	4.98	-	-	2.49	7.47	1.86	9.00	2.25	0.66	3.05	3.32	3.07	-	-	6.13	9.20	1.43	10.10	2.51	0.62	2.74	3.66
12+12	3.53	3.53	-	-	7.06	1.86	9.00	2.12	0.68	2.25	3.33	4.09	4.09	-	-	8.18	1.43	9.80	2.19	0.65	2.71	3.73
12+18	4.48	-	-	2.99	7.47	1.86	9.00	2.25	0.66	3.06	3.32	3.68	-	-	5.52	9.20	1.43	10.50	2.51	0.62	2.87	3.66
9+9+9	2.45	2.45	2.45	-	7.35	2.69	8.98	2.24	0.95	3.05	3.28	3.07	3.07	3.07	-	9.20	2.06	10.99	2.31	0.80	3.01	3.98
9+9+12	2.99	2.25	2.25	-	7.48	2.69	9.00	2.28	0.95	3.16	3.28	2.76	2.76	3.68	-	9.20	2.06	11.00	2.31	0.80	2.97	3.98
9+9+18	3.74	1.87	1.87	-	7.47	2.69	9.00	2.28	0.96	3.10	3.28	2.30	2.30	-	4.60	9.20	2.06	11.00	2.31	0.77	2.83	3.98
9+12+12	2.71	2.71	2.04	-	7.46	2.69	9.00	2.28	0.95	3.10	3.28	3.34	2.51	3.34	-	9.19	2.06	11.00	2.31	0.80	2.94	3.98
9+12+18	3.45	2.30	-	1.72	7.46	2.69	9.00	2.28	0.96	3.06	3.28	2.82	2.12	-	4.24	9.18	2.14	11.00	2.31	0.77	2.75	3.98
12+12+12	2.49	2.49	2.49	-	7.47	2.69	9.00	2.28	0.99	3.09	3.28	3.07	3.07	3.07	-	9.20	2.06	11.00	2.31	0.80	2.85	3.98
12+12+18	3.19	2.13	-	2.13	7.45	2.69	9.00	2.27	0.96	3.09	3.28	2.63	2.63	-	3.94	9.19	2.14	11.00	2.31	0.77	2.70	3.98

Based on wall mounted combination



YAZE4-30 [ECODESIGN]




PREMIUM MULTISPLIT QUATTRO

COMPATIBLE WITH

HIGH WALL HJD



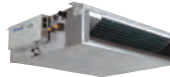
FLOOR CEILING SXB



CASSETTE CNE



DUCTED LSP DLF



DUCTED MSP DLSE



CAPACITY COMBINATION

Mandatory to connect all IDU

Indoor units combinations	COOLING											HEATING										
	Capacity (kW)							Input power (kW)			EER	Capacity (kW)							Input power (kW)			COP
	A	B	C	D	Totale	Min	Max	Nom.	Min	Max		A	B	C	D	Totale	Min	Max	Nom.	Min	Max	
9	2.50	-	-	-	2.50	1.40	3.70	0.69	0.50	1.03	3.65	3.40	-	-	-	3.40	0.95	4.00	0.69	0.40	0.86	4.96
12	3.50	-	-	-	3.50	1.40	4.40	0.97	0.50	1.22	3.62	4.30	-	-	-	4.30	0.95	5.20	0.95	0.39	1.21	4.54
18	-	-	-	5.00	5.00	1.60	5.60	1.39	0.57	1.56	3.59	-	-	-	6.20	6.20	1.11	7.50	1.50	0.46	1.88	4.14
9+9	2.54	2.54	-	-	5.08	2.00	6.20	1.45	0.69	1.74	3.49	3.75	3.75	-	-	7.51	1.43	8.63	1.77	0.54	2.17	4.25
9+12	3.42	2.56	-	-	5.98	2.00	7.30	1.72	0.69	2.39	3.47	4.53	3.40	-	-	7.92	1.43	9.01	1.90	0.54	2.24	4.17
9+18	5.08	-	-	2.54	7.61	2.00	8.50	2.21	0.67	2.86	3.45	6.26	-	-	3.13	9.38	1.43	9.58	2.34	0.52	2.26	4.02
12+12	3.45	3.45	-	-	6.90	2.10	8.80	2.00	0.69	2.92	3.46	4.17	4.17	-	-	8.34	1.43	9.29	1.99	0.54	2.24	4.20
12+18	4.72	-	-	3.15	7.87	2.10	8.80	2.29	0.67	2.88	3.44	5.88	-	-	3.92	9.80	1.43	9.96	2.40	0.52	2.37	4.09
9+9+9	2.40	2.40	2.40	-	7.19	2.90	9.00	2.11	0.92	2.94	3.40	3.13	3.13	3.13	-	9.38	2.06	11.00	2.23	0.67	2.62	4.22
9+9+12	3.15	2.36	2.36	-	7.87	2.90	9.00	2.45	0.92	2.90	3.22	3.92	2.94	2.94	-	9.80	2.06	11.00	2.31	0.67	2.89	4.25
9+9+18	4.01	2.00	-	2.00	8.01	2.90	9.00	2.47	0.93	2.85	3.25	4.90	2.45	-	2.45	9.80	2.06	11.00	2.14	0.65	2.88	4.57
9+12+12	2.90	2.90	2.17	-	7.97	2.90	9.00	2.45	0.92	2.85	3.26	3.56	3.56	2.67	-	9.78	2.06	11.00	2.25	0.67	2.87	4.35
9+12+18	3.74	2.50	-	1.87	8.11	2.90	9.00	2.48	0.93	2.82	3.28	4.51	3.01	-	2.26	9.78	2.14	11.00	2.08	0.65	2.73	4.70
12+12+12	2.69	2.69	2.69	-	8.07	2.90	9.00	2.37	0.96	2.84	3.40	3.26	3.26	3.26	-	9.79	2.06	11.00	2.23	0.67	2.86	4.40
12+12+18	3.47	2.31	-	2.31	8.10	2.90	9.00	2.37	0.93	2.80	3.42	4.19	2.79	-	2.79	9.78	2.14	11.00	2.06	0.65	2.67	4.74
9+9+9+9	2.00	2.00	2.00	2.00	8.00	3.70	9.17	2.38	0.98	2.94	3.36	2.45	2.45	2.45	2.45	9.80	2.69	10.97	2.36	0.56	2.94	4.15
9+9+9+12	2.49	1.87	1.87	1.87	8.10	3.70	9.20	2.41	0.98	2.92	3.36	3.01	2.25	2.25	2.25	9.77	2.69	11.00	2.34	0.56	2.90	4.18
9+9+9+18	3.25	1.62	1.62	1.62	8.12	3.70	9.20	2.34	0.96	2.88	3.48	3.92	1.96	1.96	1.96	9.80	2.77	11.00	2.27	0.55	2.78	4.31
9+9+12+12	2.32	2.32	1.74	1.74	8.11	3.70	9.20	2.40	0.98	2.88	3.38	2.80	2.80	2.10	2.10	9.79	2.69	11.00	2.29	0.56	2.86	4.28
9+9+12+18	3.05	2.03	1.52	1.52	8.12	3.70	9.20	2.30	0.96	2.85	3.53	3.67	2.45	1.84	1.84	9.79	2.77	11.00	2.18	0.55	2.76	4.50
9+12+12+12	2.16	2.16	2.16	1.62	8.11	3.70	9.20	2.39	0.98	2.87	3.39	2.61	2.61	2.61	1.96	9.78	2.69	11.00	2.25	0.56	2.82	4.35
9+12+12+18	2.87	1.91	1.91	1.43	8.12	3.70	9.20	2.30	0.96	2.89	3.53	3.45	2.30	2.30	1.73	9.78	2.77	11.00	2.18	0.55	2.90	4.49
12+12+12+12	2.03	2.03	2.03	2.03	8.12	3.70	9.20	2.38	0.98	2.84	3.41	2.45	2.45	2.45	2.45	9.80	2.69	11.00	2.36	0.55	2.80	4.15

Based on wall mounted combination



YAZE5-36 [ECODESIGN]

Unique solutions



FLEX MATCH



ADVANCED CONTROL OPTIONS

PREMIUM MULTISPLIT CINCO

COMPATIBLE WITH

HIGH WALL HJD



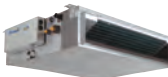
FLOOR CEILING SXB



CASSETTE CNE



DUCTED LSP DLF



DUCTED MSP DLSE



CAPACITY COMBINATION

Mandatory to connect all IDU

Indoor units combinations	COOLING												HEATING											
	Capacity (kW)								Input power (kW)			EER	Capacity (kW)								Input power (kW)			COP
	A	B	C	D	E		Min	Max	Nom.	Min	Max		A	B	C	D	E		Min	Max	Nom.	Min	Max	
9	2.5	-	-	-	-	2.5	1.50	3.5	0.76	0.40	1.01	3.29	3.4	-	-	-	-	3.4	0.95	5.2	0.69	0.40	0.86	4.96
12	3.5	-	-	-	-	3.5	1.50	4.2	1.03	0.40	1.29	3.40	4.3	-	-	-	-	4.3	1.11	7.5	0.95	0.39	1.21	4.54
18	-	-	-	5.0	-	5.0	2.20	6.0	1.44	0.42	1.63	3.47	-	-	-	6.2	-	6.2	1.50	8.0	1.50	0.46	1.87	4.14
24	7.0	-	-	-	-	7.0	2.50	8.0	2.58	0.41	2.71	2.71	-	-	-	8.0	-	8.0	2.00	9.2	2.42	0.41	2.71	3.31
9+9	2.6	2.6	-	-	-	5.1	2.1	6.6	1.36	0.58	1.95	3.76	3.0	3.0	-	-	-	6.0	2.1	7.6	1.36	0.58	1.95	4.40
9+12	2.6	3.5	-	-	-	6.1	2.2	7.0	2.01	0.54	2.54	3.05	3.1	4.1	-	-	-	7.2	2.2	8.0	2.01	0.54	2.54	3.58
9+18	2.6	-	-	5.1	-	7.7	2.4	7.9	2.58	0.56	3.20	2.97	3.0	-	-	6.0	-	9.0	2.4	8.9	2.58	0.56	3.20	3.48
9+24	2.2	5.9	-	-	-	8.1	2.6	8.8	2.81	0.56	3.32	2.88	2.6	-	-	6.9	-	9.5	2.6	9.8	2.81	0.56	3.32	3.37
12+12	3.6	3.6	-	-	-	7.2	2.3	7.5	2.40	0.54	2.55	2.98	4.2	4.2	-	-	-	8.4	2.3	8.5	2.40	0.54	2.55	3.49
12+18	3.2	-	-	4.8	-	8.0	2.5	8.4	2.76	0.56	3.22	2.89	3.7	-	-	5.6	-	9.3	2.5	9.4	2.76	0.56	3.22	3.38
12+24	2.7	-	-	5.5	-	8.2	2.6	9.2	2.78	0.56	3.18	2.94	3.2	-	-	6.4	-	9.6	2.6	10.2	2.78	0.56	3.18	3.45
18+18	4.5	-	-	4.5	-	9.0	2.6	11.0	3.00	0.59	3.16	3.00	-	-	-	5.3	5.3	10.5	2.6	11.5	2.94	0.59	3.16	3.58
18+24	4.0	-	-	5.3	-	9.3	2.8	11.0	3.17	0.55	3.20	2.92	-	-	-	4.6	6.1	10.7	2.8	11.0	3.02	0.55	3.20	3.53
24+24	4.8	-	-	4.8	-	9.5	3.0	11.0	3.33	0.55	3.40	2.85	-	-	-	5.4	5.4	10.8	3.0	12.0	3.09	0.55	3.40	3.49
9+9+9	2.5	2.5	2.5	-	-	7.5	2.7	8.9	2.25	0.69	3.01	3.18	3.3	3.3	3.3	-	-	10.0	2.7	11.0	2.25	0.69	3.01	4.10
9+9+12	2.4	2.4	3.1	-	-	7.8	2.8	9.1	2.41	0.69	2.97	3.25	3.0	3.0	4.1	-	-	10.1	2.8	11.1	2.42	0.69	2.97	4.18
9+9+18	2.1	2.1	-	4.3	-	8.5	3.0	9.5	2.51	0.70	2.92	3.38	2.6	2.6	-	5.2	-	10.4	3.0	11.4	2.39	0.70	2.92	4.35
9+9+24	2.0	2.0	-	5.2	-	9.2	3.2	9.9	2.71	0.68	3.05	3.38	2.2	2.2	-	5.9	-	10.4	3.2	11.6	2.39	0.68	3.05	4.35
9+12+12	2.2	3.0	3.0	-	-	8.2	2.9	9.3	2.46	0.69	2.92	3.31	2.8	3.7	3.7	-	-	10.3	2.9	11.3	2.41	0.69	2.92	4.27
9+12+18	2.0	2.7	-	4.1	-	8.8	3.1	9.7	2.61	0.70	2.89	3.38	2.4	3.2	-	4.8	-	10.4	3.1	11.5	2.39	0.70	2.89	4.35
9+12+24	1.9	2.5	-	5.1	-	9.5	3.3	10.1	2.81	0.68	3.02	3.38	2.1	2.8	-	5.5	-	10.4	3.3	11.8	2.39	0.68	3.02	4.35
9+18+18	1.9	-	-	3.8	3.8	9.5	3.3	10.1	2.81	0.66	3.02	3.38	2.1	-	-	4.2	4.2	10.4	3.3	11.8	2.39	0.66	3.02	4.35
9+18+24	1.7	-	-	3.4	4.5	9.5	3.5	10.5	2.81	0.66	3.05	3.38	1.8	-	-	3.7	4.9	10.4	3.5	12.0	2.39	0.66	3.05	4.35
12+12+12	2.8	2.8	2.8	-	-	8.5	3.0	9.5	2.51	0.72	2.91	3.38	3.5	3.5	3.5	-	-	10.4	3.0	11.4	2.39	0.72	2.91	4.35
12+12+18	2.6	2.6	-	3.9	-	9.2	3.2	9.9	2.71	0.70	3.00	3.38	3.0	3.0	-	4.6	-	10.7	3.2	11.6	2.45	0.70	3.00	4.35
12+12+24	2.4	2.4	-	4.8	-	9.5	3.4	10.3	2.81	0.68	3.05	3.38	2.7	2.7	-	5.5	-	10.9	3.4	11.9	2.51	0.68	3.05	4.35
12+18+18	2.4	-	-	3.6	3.6	9.5	3.4	10.3	2.81	0.68	3.02	3.38	2.7	-	-	4.1	4.1	10.9	3.4	11.9	2.51	0.68	3.02	4.35
9+9+9+9	2.2	2.2	2.2	2.2	-	8.8	3.4	9.8	2.33	0.81	2.67	3.77	2.5	2.5	2.5	2.5	-	10.0	3.4	10.0	2.08	0.81	2.67	4.80
9+9+9+12	2.1	2.1	2.1	2.8	-	9.1	3.6	10.1	2.22	0.81	2.65	3.83	2.4	2.4	2.4	3.2	-	10.3	3.6	10.4	2.15	0.81	2.65	4.00
9+9+9+18	1.9	1.9	1.9	3.9	-	9.7	3.9	10.7	2.30	0.79	2.71	3.94	2.2	2.2	2.2	-	4.3	10.8	3.9	11.1	2.36	0.79	2.71	4.00
9+9+9+24	1.8	1.8	1.8	4.7	-	10.0	4.2	11.0	2.43	0.77	2.89	4.00	1.9	1.9	1.9	-	5.2	11.0	4.2	11.5	2.35	0.77	2.89	3.80
9+9+12+12	2.0	2.0	2.7	2.7	-	9.4	3.7	10.4	2.23	0.81	2.71	3.89	2.3	2.3	3.0	3.0	-	10.5	3.7	10.8	2.55	0.81	2.71	4.00
9+9+12+18	1.9	1.9	2.5	3.8	-	10.0	4.0	11.0	2.42	0.79	2.75	4.00	2.1	2.1	2.8	-	4.1	11.0	4.0	11.5	2.33	0.79	2.75	4.00
9+9+18+18	1.7	1.7	-	3.3	3.3	10.0	4.3	11.0	2.41	0.77	2.89	4.00	1.8	1.8	-	3.7	3.7	11.0	4.3	11.5	2.25	0.77	2.89	3.60
9+12+12+12	1.9	2.6	2.6	2.6	-	9.7	3.9	10.7	2.30	0.81	2.61	3.94	2.2	2.9	2.9	2.9	-	10.8	3.9	11.1	2.52	0.81	2.61	4.00
9+12+12+18	1.8	2.4	2.4	3.5	-	10.0	4.2	11.0	2.43	0.79	2.89	4.00	1.9	2.6	2.6	3.9	-	11.0	4.2	11.5	2.29	0.79	2.89	3.80
12+12+12+12	2.5	2.5	2.5	2.5	-	10.0	4.0	11.0	2.50	0.81	2.92	4.00	2.8	2.8	2.8	2.8	-	11.0	4.0	11.5	2.50	0.81	2.92	4.00
9+9+9+9+9	2.0	2.0	2.0	2.0	2.0	10.0	4.3	11.0	2.94	0.78	3.50	3.70	2.4	2.4	2.4	2.4	2.4	12.0	4.3	12.5	2.94	0.78	3.50	4.50
9+9+9+9+12	1.9	1.9	1.9	1.9	2.6	10.3	4.4	11.0	2.94	0.78	3.50	3.60	2.3	2.3	2.3	2.3	3.0	12.0	4.4	12.5	2.94	0.78	3.50	4.30
9+9+9+9+18	1.8	1.8	1.8	1.8	3.5	10.5	4.6	11.0	2.92	0.79	3.49	3.40	2.0	2.0	2.0	2.0	4.0	12.0	4.6	12.5	2.92	0.79	3.49	4.20
9+9+9+12+12	1.9	1.9	1.9	2.5	2.5	10.5	4.50	11.0	2.94	0.78	3.50	3.50	2.1	2.1	2.1	2.8	2.8	12.0	4.50	12.5	2.94	0.78	3.50	4.30



YCZ [ECODESIGN]

HIGH WALL RESIDENTIAL MULTISPLIT DUO/TRIO/QUATTRO/CINCO

- q Multi line available in four capacities from 5.2 up to 10.5 kW.
- q DC inverter and sine wave compressor drive technology.
- q Match with high wall, ducted, cassette and console indoor units.

COMPATIBLE
WITH

HIGH WALL HKD



HIGH WALL HND



CONSOLE XAD



CASSETTE CBD

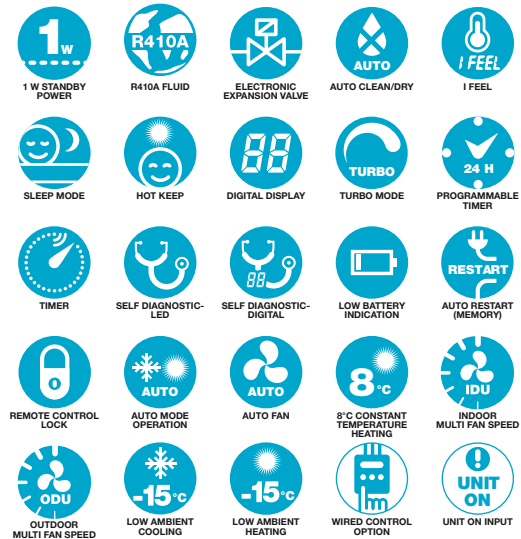


DUCTED MSP DCD



PRODUCT ADVANTAGES

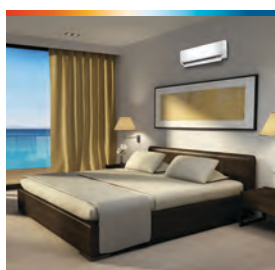
- Same indoor for multi and single application.
- Option to connect limited indoor units (total capacity >100% of rated capacity) and extend after installation.
- Design for long tubing distance installation.



YCZ TECHNICAL DATA

Indoor units			AWSI-HND009-N11 x 2	AWSI-HND009-N11 x 3	AWSI-HND009-N11 x 4	AWSI-HND009-N11 x 5
Outdoor units			AWAU-YCZ218-H11	AWAU-YCZ327-H11	AWAU-YCZ430-H11	AWAU-YCZ536-H11
OUTDOOR UNIT						
Cooling	Rated Capacity	kW	5.2	7.8	8.5	10.5
	Pdesignnc	kW	5.2	7.8	8.5	10.5
	Input power	kW	1.62	2.43	2.65	3.27
	SEER/Energy label		6.1/A++	6.6/A++	6.6/A++	5.6/A+
	Operating limits	°C	-15°/50° Dry bulb			
Heating	Rated Capacity	kW	6.0	8.5	9.0	11.5
	Pdesignh (average climate)	kW	5.9	8.0	8.2	10.5
	Input power	kW	1.66	2.31	2.36	3.18
	SCOP/Energy label (average climate)		4.1/A+	3.9/A	3.9/A	3.8/A
	Operating limits	°C	-15°/24° Dry bulb			
	Capacity @ -10C	kW	4.5	6.5	6.6	8.4
	Capacity @ -15C	kW	4	5.7	5.8	7.2
Indoor units			AWSI-HKD009-N11 x 2	AWSI-HKD009-N11 x 3	AWSI-HKD009-N11 x 4	AWSI-HKD009-N11 x 5
Outdoor units			AWAU-YCZ218-H11	AWAU-YCZ327-H11	AWAU-YCZ430-H11	AWAU-YCZ536-H11
OUTDOOR UNIT						
Cooling	Rated Capacity	kW	5.2	7.8	8.5	10.5
	Pdesignnc	kW	5.2	7.8	8.5	10.5
	Input power	kW	1.62	2.43	2.65	3.27
	SEER/Energy label		5.6/A+	6.1/A++	5.8/A+	5.1/A
	Operating limits	°C	-15°/50° Dry bulb			
Heating	Rated Capacity	kW	6.0	8.5	9.0	11.5
	Pdesignh (average climate)	kW	5.6	8.0	8.2	10.5
	Input power	kW	1.66	2.31	2.36	3.18
	SCOP/Energy label (average climate)		3.8/A	3.8/A	3.8/A	3.8/A
	Operating limits	°C	-15°/24° Dry bulb			
	Capacity @ -10C	kW	4.5	6.5	6.6	8.4
	Capacity @ -15C	kW	4	5.7	5.8	7.2
OUTDOOR UNIT						
Sound pressure level to 1 m		dB(A)	60	61	62	64
Sound power level		dB(A)	65	68	70	70
Airflow		m³/h	2500	3500	3800	5500
Compressor type			Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)		mm	845x700x320	900x860x315	900x860x315	990x965x345
Package dimensions (WxHxD)		mm	965x755x395	1043x915x395	1043x915x395	1120x1100x435
Net weight/Gross weight		kg	48/52	62/67	65/69	80/91
Part number			7SP091166	7SP091167	7SP091168	7SP091169
POWER SUPPLY 1~230V - 50 HZ						
Power supply side			Outdoor	Outdoor	Outdoor	Outdoor
Power cable section		mm²	3x2.5	3x2.5	3x2.5	3x4.0
Fuse rating am		A	25	25	25	32
Electrical connections		mm²	2 (4x1.0)	3 (4x1.0)	4 (4x1.0)	5 (4x1.0)
PIPE LINE						
Suction pipe diameter		inches	2x3/8"	3x3/8"	4x3/8"	5x3/8"
Liquid pipe diameter		inches	2x1/4"	3x1/4"	4x1/4"	5x1/4"
Max length		m	30	45	60	75
Max length per circuit		m	20	25	30	30
Max height between indoor and outdoor units	OU higher than IU	m	10	10	10	10
	OU lower than IU	m	15	15	15	15
Max height between indoor units		m	10	10	10	10

AIRWELL SOLUTIONS





YCZ2-18 [ECODESIGN]

RESIDENTIAL MULTISPLIT DUO

COMPATIBLE
WITH

HIGH WALL HKD



HIGH WALL HND



CONSOLE XAD



CASSETTE CBD



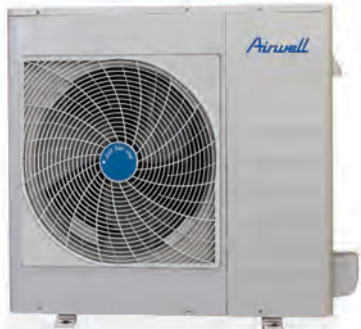
DUCTED MSP DCD



CAPACITY COMBINATION

Indoor units combinations	COOLING									HEATING								
	Rated capacity (kW)		Total capacity (kW)			Total Input power (kW)			EER	Rated capacity (kW)		Total capacity (kW)			Total Input power (kW)			COP
	Unit A	Unit B	min.	rated	max.	min.	rated	max.	rated capacity	Unit A	Unit B	min.	rated	max.	min.	rated	max.	rated capacity
9+9	2.60	2.60	3.64	5.20	6.20	0.84	1.62	2.09	3.21	3.00	3.00	4.20	6.00	6.50	0.77	1.66	1.81	3.62
9+12	2.50	3.20	3.99	5.70	6.20	0.97	1.76	2.09	3.23	2.70	3.50	4.34	6.20	6.50	0.93	1.71	1.81	3.62
9+18	2.00	4.30	4.41	6.30	6.70	1.12	1.96	2.15	3.21	2.00	4.40	4.48	6.40	6.80	0.99	1.77	1.89	3.61
12+12	3.10	3.10	4.34	6.20	6.70	1.10	1.93	2.15	3.21	3.20	3.20	4.48	6.40	6.80	0.99	1.77	1.89	3.61

Based on wall mounted combination



YCZ3-24 [ECODESIGN]

RESIDENTIAL MULTISPLIT TRIO

COMPATIBLE
WITH

HIGH WALL HKD



HIGH WALL HND



CONSOLE XAD



CASSETTE CBD



DUCTED MSP DCD



CAPACITY COMBINATION

Indoor units combinations	COOLING										HEATING									
	Rated capacity (kW)			Total capacity (kW)			Total Input power (kW)			EER	Rated capacity (kW)			Total capacity (kW)			Total Input power (kW)			COP
	Unit A	Unit B	Unit C	min.	rated	max.	min.	rated	max.	rated capacity	Unit A	Unit B	Unit C	min.	rated	max.	min.	rated	max.	rated capacity
9+18	2.60	5.20	-	5.46	7.80	9.44	1.45	2.42	3.05	3.22	2.88	5.87	-	5.94	8.75	10.59	1.45	2.41	3.04	3.63
12+18	3.20	4.80	-	5.95	8.00	9.68	1.49	2.48	3.12	3.23	3.45	3.45	-	6.09	6.90	8.35	1.15	1.91	2.41	3.61
18+18	4.60	4.60	-	6.44	9.20	10.86	1.71	2.85	3.53	3.23	3.39	5.61	-	7.00	9.00	10.62	1.49	2.49	3.08	3.62
9+9+9	2.60	2.60	2.60	5.46	7.80	8.81	1.41	2.43	3.01	3.21	2.83	2.83	2.83	5.94	8.49	9.59	1.51	2.31	2.86	3.68
9+9+12	2.50	2.50	3.50	5.95	8.50	9.61	1.60	2.62	3.24	3.25	2.60	2.60	3.50	6.09	8.70	9.83	1.53	2.37	2.94	3.67
9+9+18	2.30	2.30	4.60	6.44	9.20	10.40	1.73	2.84	3.46	3.24	2.50	2.50	5.00	7.00	10.00	11.30	1.79	2.75	3.35	3.64
9+12+12	2.50	3.50	3.50	6.65	9.50	10.74	1.90	2.94	3.59	3.23	2.50	3.50	3.50	6.65	9.50	10.74	1.71	2.61	3.18	3.64
9+12+18	2.10	3.20	4.50	6.86	9.80	11.07	1.96	3.04	3.71	3.22	2.30	3.20	5.00	7.35	10.50	11.87	1.88	2.90	3.54	3.62
12+12+12	2.90	2.90	2.90	6.09	8.70	9.83	1.63	2.70	3.30	3.22	3.30	3.30	3.30	6.93	9.90	11.19	1.78	2.72	3.32	3.64

Based on wall mounted combination



YCZ4-30 [ECODESIGN]

RESIDENTIAL MULTISPLIT QUATTRO

 COMPATIBLE
WITH

HIGH WALL HKD



HIGH WALL HND



CONSOLE XAD



CASSETTE CBD



DUCTED MSP DCD



CAPACITY COMBINATION

Indoor units combinations	COOLING											HEATING										
	Rated capacity (kW)				Total capacity (kW)			Total Input power (kW)			EER rated capacity	Rated capacity (kW)				Total capacity (kW)			Total Input power (kW)			COP rated capacity
	Unit A	Unit B	Unit C	Unit D	min.	rated	max.	min.	rated	max.		Unit A	Unit B	Unit C	Unit D	min.	rated	max.	min.	rated	max.	
9+18	2.59	5.29	-	-	3.31	7.88	9.61	1.02	2.56	3.45	3.08	2.77	5.65	-	-	3.54	8.42	10.27	0.93	2.32	3.11	3.63
12+18	3.06	5.06	-	-	3.41	8.12	9.91	1.04	2.60	3.51	3.12	3.15	5.21	-	-	3.51	8.36	10.20	0.92	2.29	3.07	3.65
18+18	4.51	4.51	-	-	3.79	9.02	11.00	1.16	2.89	3.90	3.12	4.41	4.41	-	-	3.70	8.82	10.76	0.97	2.44	3.26	3.62
9+9+9	2.63	2.63	2.63	-	3.31	7.88	9.61	1.00	2.50	3.38	3.15	2.84	2.84	2.84	-	3.58	8.52	10.39	0.91	2.28	3.06	3.73
9+9+12	2.51	2.51	3.09	-	3.41	8.12	9.91	1.03	2.57	3.47	3.16	2.74	2.74	3.38	-	3.72	8.86	10.81	0.94	2.36	3.16	3.76
9+9+18	2.23	2.23	4.55	-	3.79	9.02	11.00	1.12	2.81	3.79	3.21	2.46	2.46	5.01	-	4.17	9.92	12.10	1.07	2.67	3.58	3.71
9+12+12	2.50	3.08	3.08	-	3.63	8.65	10.55	1.07	2.69	3.63	3.22	2.71	3.34	3.34	-	3.94	9.38	11.44	1.00	2.50	3.35	3.75
9+12+18	2.13	2.62	4.34	-	3.82	9.09	11.09	1.13	2.82	3.81	3.22	2.36	2.91	4.81	-	4.23	10.08	12.30	1.08	2.71	3.63	3.72
12+12+12	2.95	2.95	2.95	-	3.72	8.85	10.80	1.10	2.76	3.72	3.21	3.25	3.25	3.25	-	4.10	9.76	11.91	1.03	2.58	3.46	3.78
9+9+9+9	2.13	2.13	2.13	2.13	3.49	8.52	10.39	1.06	2.65	3.57	3.22	2.25	2.25	2.25	2.25	3.69	9.00	10.98	0.94	2.36	3.17	3.81
9+9+9+12	2.11	2.11	2.11	2.60	3.67	8.94	10.91	1.10	2.75	3.71	3.25	2.25	2.25	2.25	2.78	3.91	9.54	11.64	1.01	2.52	3.38	3.78

Based on wall mounted combination



YCZ5-36 [ECODESIGN]

RESIDENTIAL MULTISPLIT CINCO

COMPATIBLE
WITH

HIGH WALL HKD



HIGH WALL HND



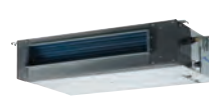
CONSOLE XAD



CASSETTE CBD



DUCTED MSP DCD



CAPACITY COMBINATION

Indoor units combinations	COOLING												HEATING											
	Rated capacity (kW)					Total cooling capacity (kW)			Total Input power (kW)			EER	Rated capacity (kW)					Total heating capacity (kW)			Total Input power (kW)			COP
	Unit A	Unit B	Unit C	Unit D	Unit E	min.	rated	max.	min.	rated	max.	rated capacity	Unit A	Unit B	Unit C	Unit D	Unit E	min.	rated	max.	min.	rated	max.	rated capacity
18+18	5.26	5.26	-	-	-	4.31	10.52	12.73	1.47	3.42	4.30	3.08	5.55	5.55	-	-	-	4.66	11.10	13.65	1.35	3.32	4.23	3.34
9+9+18	2.82	3.47	3.47	-	-	4.00	9.75	11.80	1.35	3.17	3.96	3.08	2.75	2.75	5.60	-	-	4.66	11.10	13.65	1.35	3.32	4.23	3.34
9+12+12	2.00	3.20	5.30	-	-	4.31	10.50	12.71	1.45	3.41	4.25	3.08	3.13	3.86	3.86	-	-	4.56	10.85	13.35	1.35	3.23	4.23	3.36
9+12+18	2.46	3.03	5.01	-	-	4.31	10.50	12.71	1.44	3.40	4.22	3.09	2.67	3.28	5.43	-	-	4.78	11.38	14.00	1.39	3.40	4.34	3.35
9+18+18	3.09	3.09	5.11	-	-	4.62	11.28	13.65	1.54	3.63	4.50	3.11	2.33	4.75	4.75	-	-	4.97	11.84	14.56	1.47	3.52	4.58	3.36
12+12+12	2.74	2.74	2.74	-	-	3.37	8.21	9.93	1.17	2.63	3.42	3.12	3.62	3.62	3.62	-	-	4.56	10.85	13.35	1.35	3.18	4.23	3.41
12+12+18	2.31	4.72	4.72	-	-	4.82	11.75	14.22	1.59	3.74	4.65	3.14	3.11	3.11	5.16	-	-	4.78	11.38	14.00	1.40	3.33	4.38	3.42
12+18+18	2.72	4.51	4.51	-	-	4.82	11.75	14.22	1.60	3.77	4.68	3.12	2.79	4.62	4.62	-	-	5.06	12.04	14.81	1.48	3.58	4.63	3.36
18+18+18	4.10	4.10	4.10	-	-	5.05	12.31	14.90	1.66	3.91	4.85	3.15	4.47	4.47	2.53	-	-	5.64	11.48	16.51	1.65	3.42	5.16	3.36
9+9+9+9	2.55	2.55	2.55	2.55	-	4.31	10.20	12.81	1.35	3.24	4.21	3.15	1.86	1.86	2.98	4.93	-	4.88	11.63	11.23	1.36	3.36	4.14	3.46
9+9+9+12	2.48	2.48	2.48	3.05	-	4.31	10.50	12.81	1.41	3.33	4.11	3.15	2.27	2.94	2.94	2.94	-	4.66	11.10	11.22	1.33	3.19	4.04	3.48
9+9+9+18	2.29	2.29	2.29	4.66	-	4.72	11.52	13.82	1.57	3.65	4.56	3.16	2.03	2.64	3.25	3.25	-	4.69	11.16	11.37	1.34	3.26	4.10	3.42
9+9+12+12	2.51	2.51	3.09	3.09	-	4.59	11.20	13.44	1.53	3.57	4.45	3.14	1.74	2.27	4.62	4.62	-	5.57	13.25	11.96	1.60	3.86	4.87	3.43
9+9+12+18	2.38	2.38	2.93	4.86	-	5.15	12.56	15.07	1.69	3.97	4.90	3.16	2.64	2.64	2.64	3.25	-	4.69	11.16	12.84	1.29	3.21	3.95	3.48
9+9+18+18	2.27	2.27	4.62	4.62	-	5.65	13.78	16.54	1.87	4.40	5.42	3.13	2.50	2.50	3.08	3.08	-	4.69	11.16	13.43	1.28	3.14	3.91	3.55
9+12+12+12	2.46	3.02	3.02	3.02	-	4.72	11.52	13.82	1.57	3.66	4.56	3.15	2.30	2.30	2.84	4.70	-	5.10	12.14	14.01	1.43	3.51	4.37	3.46
9+12+12+18	2.41	2.96	2.96	4.91	-	5.43	13.24	15.89	1.78	4.19	5.16	3.16	2.85	2.85	2.85	4.71	-	5.57	13.25	14.80	1.57	3.81	4.78	3.48
12+12+12+12	2.96	2.96	2.96	2.96	-	4.85	11.82	14.18	1.60	3.68	4.65	3.21	1.74	2.78	4.61	4.61	-	5.77	13.74	12.54	1.66	3.81	5.05	3.61
12+12+12+18	2.84	2.84	2.84	4.71	-	5.43	13.24	15.89	1.77	4.12	5.14	3.21	2.48	3.05	3.05	3.05	-	4.88	11.63	14.30	1.36	3.21	4.15	3.62
9+9+9+9+9	2.10	2.10	2.10	2.10	2.10	4.87	10.50	12.92	1.62	3.27	4.70	3.21	2.30	2.30	2.30	2.30	2.30	6.16	11.50	14.24	1.71	3.13	5.23	3.67
9+9+9+9+12	2.10	2.10	2.10	2.10	2.80	4.73	11.20	13.06	1.57	3.47	4.57	3.23	2.30	2.30	2.30	2.30	3.00	5.38	12.20	14.06	1.46	3.34	4.46	3.65
9+9+9+9+18	2.00	2.00	2.00	2.00	4.20	5.13	12.20	13.31	1.72	3.80	5.01	3.21	2.10	2.10	2.10	2.10	4.50	6.16	12.90	15.03	1.70	3.57	5.18	3.61
9+9+9+12+12	2.10	2.10	2.10	2.80	2.80	5.55	11.90	13.80	1.85	3.71	5.36	3.21	2.20	2.20	2.20	2.90	2.90	5.89	12.40	14.35	1.62	3.43	4.95	3.62
9+9+9+12+18	2.17	2.17	2.17	2.70	4.40	5.59	13.62	13.80	1.90	4.31	5.52	3.16	2.20	2.20	2.20	2.80	4.70	6.16	14.10	15.70	1.67	3.91	5.10	3.61
9+9+12+12+12	2.10	2.10	2.70	2.70	2.70	5.13	12.31	13.31	1.72	3.83	4.98	3.21	2.20	2.20	2.80	2.80	2.80	5.04	12.80	14.87	1.36	3.53	4.15	3.63
9+12+12+12+12	2.05	2.60	2.60	2.60	2.60	5.47	12.45	13.80	1.84	3.92	5.34	3.18	2.10	2.75	2.75	2.75	2.75	5.83	13.10	15.70	1.59	3.70	4.86	3.54
12+12+12+12+12	2.50	2.50	2.50	2.50	2.50	5.59	12.50	14.35	1.90	3.96	5.52	3.16	2.70	2.70	2.70	2.70	2.70	6.16	13.50	16.35	1.72	3.87	5.24	3.49

Based on wall mounted combination

81



YBZE [ECODESIGN]

HIGH WALL RESIDENTIAL MULTISPLIT DUO/TRIO/QUATTRO

- q Capacity range available in 3 capacities from 5 up to 8 kW.
- q DC Inverter and sine wave compressor drive technology.
- q Apply with high wall line.

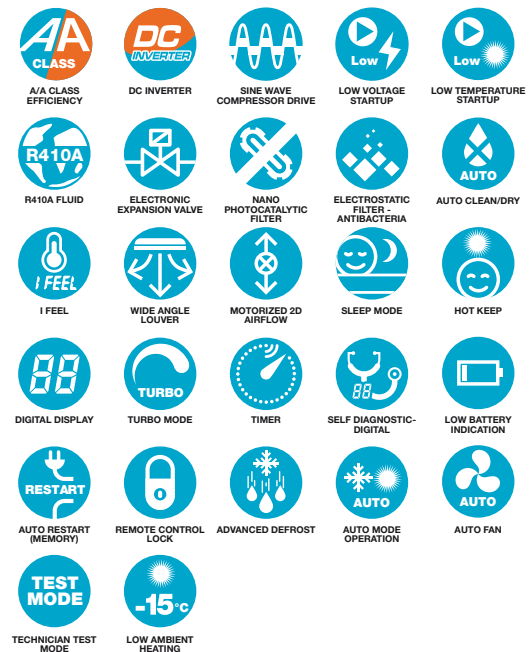
COMPATIBLE
WITH

HIGH WALL HZDE



PRODUCT ADVANTAGES

- A/A Class Efficiency. Minimum energy consumption.
- Rapid operation in cooling and heating mode.
- Advance logic for precise temperature control.



YBZE TECHNICAL DATA

Outdoor units		AWAU-YBZE218-H11	AWAU-YBZE324-H11	AWAU-YBZE430-H11
COOLING				
Rated Capacity	kW	5.0 (2.05-6.2)	7.1 (2.2-10)	8.0 (2.2-10.0)
Pdesignc	kW	5.0	7.1	8.0
Input power	kW	1.55	2.25	2.49
SEER/Energy label		5.6/A+	5.1/A	5.1/A
Operating limits	°C	-15°/ 48° Dry bulb		
HEATING				
Rated Capacity	kW	5.6 (2.5-6.65)	8.5 (3.6-11)	9.3 (2.8-11.0)
Pdesignh	kW	4.6	7.0	7.0
Input power	kW	1.55	2.35	2.58
SCOP/Energy label		3.8/A	3.8/A	3.8/A
Operating limits	°C	-15°/24° Dry bulb		
Capacity @ -10°C	kW	4.0	6.3	6.3
Capacity @ -15°C	kW	3.4	5.8	5.8
OUTDOOR UNIT				
Sound pressure level to 1 m	dB(A)	53	58	58
Sound power level	dB(A)	63	68	68
Airflow	m³/h	3200	4000	4000
Compressor type		Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	963x700x396	1001x790x427	1001x790x427
Package dimensions (WxHxD)	mm	1029x750x458	1083x855x488	1083x855x488
Net weight/Gross weight	kg	50/55	64/70	65/71
Part number		7SP091158	7SP091159	7SP091160
POWER SUPPLY 1~230V - 50 HZ				
Power supply side		Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x2.5	3x2.5	3x2.5
Fuse rating am	A	25	32	32
Electrical connections	mm²	2x (4x1.0)	3x (4x1.0)	4x (4x1.0)
PIPE LINE				
Suction pipe diameter	inches	2x3/8"	3x3/8"	4x3/8"
Liquid pipe diameter	inches	2x1/4"	3x1/4"	4x1/4"
Max length	m	20	70	70
Max length per circuit	m	10	20	20
Max height between indoor and outdoor units	m	10	10	10
Max height between indoor units	m	10	10	10
Indoor unit		AWSI-HZDE009-N11	AWSI-HZDE012-N11	AWSI-HZDE018-N11
Cooling Capacity	kW	2.6	3.5	5.3
Heating Capacity	kW	2.8	3.8	5.8
INDOOR UNIT				
Sound pressure level to 1 m (LS/MS/HS/SS)	dB(A)	24/30/38/41	25/31/39/42	32/37/40/45
Sound power level (LS/MS/HS/SS)	dB(A)	39/45/53/56	40/46/54/57	47/52/55/60
Airflow (LS/MS/HS/SS)	m³/h	280/370/520/600	300/410/560/680	460/560/680/800
Dehumidification	l/h	0.8	1.4	1.8
Outline dimensions (WxHxD)	mm	770x283x201	770x283x201	865x305x215
Package dimensions (WxHxD)	mm	855x360x280	855x360x280	948x383x310
Net weight/Gross weight	kg	8/10	9/11	12/15
Part number		7SP022908	7SP022909	7SP022910
PIPE LINE				
Suction pipe diameter	inches	3/8"	3/8"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"

AIRWELL SOLUTIONS





YBZE2-18 [ECODESIGN]

RESIDENTIAL MULTISPLIT DUO

COMPATIBLE
WITH

HIGH WALL HZDE



CAPACITY COMBINATION

Indoor units combinations	COOLING											HEATING										
	Capacity (kW)							Input power (kW)			EER	Capacity (kW)							Input power (kW)			COP
	A	B	C	D	Nominal	Min	Max	Nominal	Min	Max		A	B	C	D	Nominal	Min	Max	Nominal	Min	Max	
9	2.60	-	-	-	2.60	1.50	3.50	0.85	0.50	2.00	3.06	3.20	-	-	-	3.20	1.60	4.50	1.10	0.55	2.00	2.91
12	3.50	-	-	-	3.50	2.00	4.40	1.10	0.50	2.00	3.18	3.80	-	-	-	3.80	1.80	4.80	1.15	0.55	2.00	3.30
9+9	2.50	2.50	-	-	5.00	2.05	6.20	1.55	0.50	2.55	3.23	2.80	2.80	-	-	5.60	2.50	6.65	1.55	0.58	2.70	3.61
9+12	2.14	2.86	-	-	5.00	2.15	6.30	1.55	0.50	2.55	3.23	2.40	3.20	-	-	5.60	2.50	6.75	1.55	0.58	2.70	3.61
12+12	2.50	2.50	-	-	5.00	2.15	6.30	1.55	0.50	2.55	3.23	2.80	2.80	-	-	5.60	2.50	6.75	1.55	0.58	2.70	3.61

Based on wall mounted combination



YBZE3-24 [ECODESIGN]

RESIDENTIAL MULTISPLIT TRIO

COMPATIBLE
WITH

HIGH WALL HZDE



CAPACITY COMBINATION

Indoor units combinations	COOLING											HEATING										
	Capacity (kW)							Input power (kW)			EER	Capacity (kW)							Input power (kW)			COP
	A	B	C	D	Nominal	Min	Max	Nominal	Min	Max		A	B	C	D	Nominal	Min	Max	Nominal	Min	Max	
9	2.60	-	-	-	2.60	2.00	3.90	0.78	0.60	2.10	3.35	3.20	-	-	-	3.20	2.80	4.00	1.05	0.90	2.00	3.05
12	3.50	-	-	-	3.50	2.10	4.00	1.05	0.70	2.15	3.33	3.80	-	-	-	3.80	2.80	5.00	1.20	0.90	2.10	3.17
18	5.30	-	-	-	5.30	2.25	6.30	1.65	0.80	2.20	3.21	5.80	-	-	-	5.80	2.80	6.30	1.80	0.90	2.20	3.22
9+9	2.60	2.60	-	-	5.20	2.00	7.80	1.55	0.60	4.20	3.35	3.20	3.20	-	-	6.40	3.20	8.50	2.05	0.90	3.95	3.12
9+12	2.61	3.49	-	-	6.10	2.10	8.00	2.00	0.70	4.30	3.05	3.09	4.11	-	-	7.20	3.50	9.30	2.25	0.90	4.40	3.20
9+18	2.33	4.67	-	-	7.00	2.25	9.20	2.18	0.80	4.40	3.21	2.57	5.13	-	-	7.70	3.70	9.90	2.40	0.90	4.40	3.21
12+12	3.50	3.50	-	-	7.00	2.20	8.20	2.18	0.75	4.30	3.21	3.85	3.85	-	-	7.70	3.50	9.50	2.26	0.90	4.40	3.41
12+18	2.80	4.20	-	-	7.00	2.30	9.50	2.18	0.80	4.40	3.21	3.12	4.68	-	-	7.80	3.80	11.00	2.40	0.90	4.40	3.25
9+9+9	2.37	2.37	2.37	-	7.10	2.20	10.00	2.20	0.65	4.60	3.23	2.83	2.83	2.83	-	8.50	3.60	11.00	2.40	0.85	4.00	3.54
9+9+12	2.13	2.13	2.84	-	7.10	2.20	10.00	2.20	0.65	4.60	3.23	2.57	2.57	3.42	-	8.55	3.80	11.00	2.40	0.85	4.00	3.56
9+9+18	1.78	1.78	3.55	-	7.10	2.20	10.00	2.20	0.65	4.65	3.23	2.14	2.14	4.28	-	8.55	3.80	11.00	2.40	0.85	4.00	3.56
9+12+12	1.94	2.58	2.58	-	7.10	2.20	10.00	2.20	0.65	4.65	3.23	2.33	3.11	3.11	-	8.55	3.80	11.00	2.40	0.85	4.00	3.56
9+12+18	1.64	2.18	3.28	-	7.10	2.20	10.00	2.20	0.65	4.65	3.23	1.97	2.63	3.95	-	8.55	3.80	11.00	2.40	0.85	4.00	3.56
12+12+12	2.37	2.37	2.37	-	7.10	2.20	10.00	2.20	0.65	4.65	3.23	2.85	2.85	2.85	-	8.55	3.80	11.00	2.40	0.85	4.00	3.56
12+12+18	2.03	2.03	3.04	-	7.10	2.20	10.00	2.20	0.65	4.65	3.23	2.44	2.44	3.66	-	8.55	3.80	11.00	2.40	0.85	4.00	3.56

Based on wall mounted combination



YBZE4-30 [ECODESIGN]

RESIDENTIAL MULTISPLIT QUATTRO

COMPATIBLE
WITH

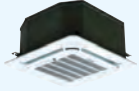
HIGH WALL HZDE



CAPACITY COMBINATION

Indoor units combinations	COOLING											HEATING										
	Capacity (kW)							Input power (kW)			EER	Capacity (kW)							Input power (kW)			COP
	A	B	C	D	Nominal	Min	Max	Nominal	Min	Max		A	B	C	D	Nominal	Min	Max	Nominal	Min	Max	
9	2.60	-	-	-	2.60	2.00	3.90	0.78	0.60	2.10	3.35	3.20	0.00	-	-	3.20	2.80	4.00	1.05	0.90	2.00	3.05
12	3.50	-	-	-	3.50	2.10	4.00	1.05	0.70	2.15	3.33	3.80	0.00	-	-	3.80	2.80	5.00	1.20	0.90	2.10	3.17
18	5.30	-	-	-	5.30	2.25	6.30	1.65	0.80	2.20	3.21	5.80	0.00	-	-	5.80	2.80	6.30	1.80	0.90	2.20	3.22
9+9	2.50	2.50	-	-	5.00	2.00	7.80	1.55	0.60	4.20	3.23	3.20	3.20	-	-	6.40	3.20	8.50	2.05	0.90	3.95	3.12
9+12	2.66	3.54	-	-	6.20	2.10	8.00	2.00	0.70	4.30	3.10	3.09	4.11	-	-	7.20	3.50	9.30	2.25	0.90	4.40	3.20
9+18	2.33	4.67	-	-	7.00	2.25	9.20	2.18	0.80	4.40	3.21	2.57	5.13	-	-	7.70	3.70	9.90	2.40	0.90	4.40	3.21
12+12	3.50	3.50	-	-	7.00	2.20	8.20	2.18	0.75	4.30	3.21	3.85	3.85	-	-	7.70	3.50	9.50	2.26	0.90	4.40	3.41
12+18	2.80	4.20	-	-	7.00	2.30	9.50	2.18	0.80	4.40	3.21	3.12	4.68	-	-	7.80	3.80	9.90	2.40	0.90	4.40	3.25
9+9+9	2.37	2.37	2.37	-	7.10	2.20	9.50	2.20	0.65	4.60	3.23	2.83	2.83	2.83	-	8.50	3.70	9.90	2.40	0.85	4.00	3.54
9+9+12	2.13	2.13	2.84	-	7.10	2.20	9.50	2.20	0.65	4.60	3.21	2.57	2.57	3.42	-	8.55	3.80	9.90	2.40	0.85	4.00	3.56
9+9+18	1.78	1.78	3.55	-	7.10	2.20	9.60	2.20	0.65	4.65	3.23	2.14	2.14	4.28	-	8.55	3.80	9.90	2.40	0.85	4.00	3.56
9+12+12	1.94	2.58	2.58	-	7.10	2.20	9.60	2.20	0.65	4.65	3.23	2.33	3.11	3.11	-	8.55	3.80	9.90	2.40	0.85	4.00	3.56
9+12+18	1.64	2.18	3.28	-	7.10	2.20	9.60	2.20	0.65	4.65	3.23	1.97	2.63	3.95	-	8.55	3.80	9.90	2.40	0.85	4.00	3.56
12+12+12	2.37	2.37	2.37	-	7.10	2.20	9.60	2.20	0.65	4.65	3.23	2.85	2.85	2.85	-	8.55	3.80	9.90	2.50	0.85	4.00	3.42
12+12+18	2.03	2.03	3.04	-	7.10	2.20	9.60	2.20	0.65	4.65	3.23	2.44	2.44	3.66	-	8.55	3.80	9.90	2.50	0.85	4.00	3.42
9+9+9+9	2.00	2.00	2.00	2.00	8.00	2.20	10.00	2.48	0.65	4.65	3.23	2.33	2.33	2.33	2.33	9.30	3.90	11.00	2.55	0.98	4.00	3.65
9+9+9+12	1.85	1.85	1.85	2.46	8.00	2.20	10.00	2.48	0.65	4.65	3.23	2.22	2.22	2.22	2.95	9.60	3.90	11.00	2.55	0.98	4.00	3.76
9+9+12+12	1.71	1.71	2.29	2.29	8.00	2.20	10.00	2.48	0.65	4.50	3.23	2.06	2.06	2.74	2.74	9.60	3.90	11.00	2.55	0.98	4.00	3.76
9+12+12+12	1.60	2.13	2.13	2.13	8.00	2.20	10.00	2.48	0.65	4.50	3.23	1.92	2.56	2.56	2.56	9.60	3.90	11.00	2.55	0.98	4.00	3.76
9+9+12+18	1.50	1.50	2.00	3.00	8.00	2.20	10.00	2.48	0.65	4.50	3.23	1.80	1.80	2.40	3.60	9.60	3.90	11.00	2.55	0.98	4.00	3.76
12+12+12+12	2.00	2.00	2.00	2.00	8.00	2.20	10.00	2.48	0.65	4.50	3.23	2.40	2.40	2.40	2.40	9.60	3.90	11.00	2.55	0.98	4.00	3.76

Based on wall mounted combination

[MODEL NAME]				Page
HIGH WALL	HMF	NEW		88
FLOOR CEILING	FCF	NEW		90
CASSETTE 600X600	CBF	NEW		92
CASSETTE 900X900	CBF	NEW		94
DUCTED MEDIUM STATIC PRESSURE	DBF	NEW		96
DUCTED HIGH STATIC PRESSURE	DAF			98
PORTABLE [ECODESIGN]	MAF	NEW		100
WINDOW [ECODESIGN]	WDF	NEW		101
FLOOR CEILING	SX Telecom			102
WATER CONSOLE	CAO			104 & 106
WATER SOURCE	GCAO + HHF/CAF NEW FAF/DAF		   	104 & 108
FLOOR STANDING	SBF	NEW		110

7	9	12	18	24	30	36	45	60	68-136
2 kW	2.5 kW	3.5 kW	5 kW	7 kW	8 kW	10 kW	12.5 kW	14 kW	20-39.5 kW

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HMF

HIGH WALL

- q High wall line available in capacities from 2.20 to 6.15 kW.
- q Digital display with room and set temperature.
- q Cooling and heating operation mode.
- q Photocatalytic and antibacterial filters.
- q "I Feel" function with precise room temperature control.

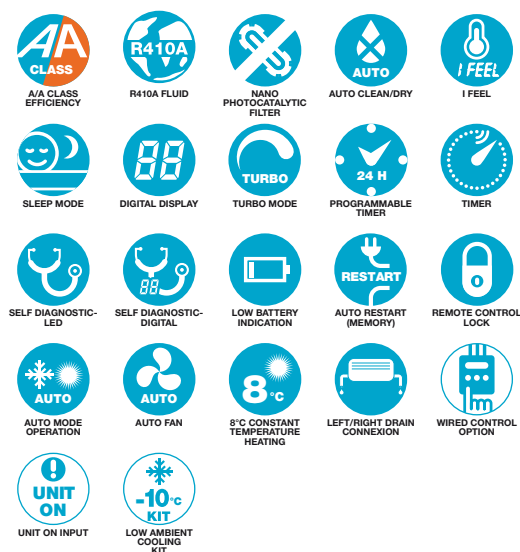


RC08B

RCW8
(optional)

PRODUCT ADVANTAGES

- Refrigerant leakage alarm to protect the unit.
- Wide angle of air distribution.
- A/A class efficiency with minimum energy consumptions (sizes 7/9/12/18).



ACCESSORIES/OPTIONS

Acc.	Ref.	Photo	Description	Function
RCW8	7ACEL1706		Wired single control	Mode, Fan speed, Timer on-off, Temperature, Swing and "I Feel".
ON-OFF dry contact adaptor	7ACEL1190			Option to control from remote with the last operation memory.

HMF TECHNICAL DATA

Indoor units		AWSI-HMF007-N11	AWSI-HMF009-N11	AWSI-HMF012-N11	AWSI-HMF018-N11	AWSI-HMF024-N11
Outdoor units		AWAU-YMF007-H11	AWAU-YMF009-H11	AWAU-YMF012-H11	AWAU-YMF018-H11	AWAU-YMF024-H11
COOLING						
Rated Capacity	kW	2.20	2.64	3.37	5.28	6.15
Input power	kW	0.685	0.82	1.05	1.64	2.19
EER/Energy label		3.21/A	3.21/A	3.21/A	3.22/A	2.81/C
Operating limits	°C	18°/43° Dry bulb				
HEATING						
Rated Capacity	kW	2.34	2.78	3.52	5.28	6.74
Input power	kW	0.65	0.77	0.975	1.46	2.1
COP/Energy label		3.61/A	3.61/A	3.61/A	3.61/A	3.21/C
Operating limits	°C	-7°/24° Dry bulb				
INDOOR UNIT						
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	29/33/40	29/33/41	30/35/41	33/40/45	40/44/47
Sound power level	dB(A)	50	51	51	55	57
Airflow (LS/MS/HS)	m³/h	300/360/460	300/360/460	400/500/580	500/700/800	900/1050/1150
Dehumidification	l/h	0.8	0.8	1.2	1.8	3
Outline dimensions (WxHxD)	mm	715x250x188	715x250x188	800x275x188	940x275x205	1045x315x235
Package dimensions (WxHxD)	mm	775x324x260	775x324x260	865x350x265	1015x350x265	1135x315x395
Net weight/Gross weight	kg	6.5/8.5	6.5/8.5	8/10	10/12.5	12/15.5
Part number		7SP023003	7SP023004	7SP023005	7SP023006	7SP023007
OUTDOOR UNIT						
Sound pressure level to 1 m	dB(A)	55	56	57	60	62
Sound power level	dB(A)	65	66	67	70	72
Airflow	m³/h	1650	1650	1800	2300	2500
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary
Outline dimensions (WxHxD)	mm	700x540x240	700x540x240	780x540x250	760x590x285	820x595x330
Package dimensions (WxHxD)	mm	815x580x325	815x580x325	910x585x335	887x645x355	940x645x415
Net weight/Gross weight	kg	22/24	24.5/26.5	28/30	36.5/39	44/46
Part number		7SP062829	7SP062830	7SP062831	7SP062832	7SP062833
POWER SUPPLY 1~230V - 50 HZ						
Power supply side		Indoor	Indoor	Indoor	Indoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating	A	16	16	16	16	25
Electrical connections	mm²	5x1.0	5x1.0	5x1.0	3x1.5+2x0.75	4x1.0
PIPE LINE						
Suction pipe diameter	inches	3/8"	3/8"	1/2"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"	3/8"
Max length	m	20	20	20	25	25
Max height	m	8	8	8	10	10

AIRWELL SOLUTIONS





FCF

FLOOR CEILING

- q Floor and ceiling line available in capacities from 3.50 up to 15.60 kW.
- q Cooling and heating operation mode.
- q "I Feel" function with precise room temperature control.
- q Available in 3PH from 9.80 kW.

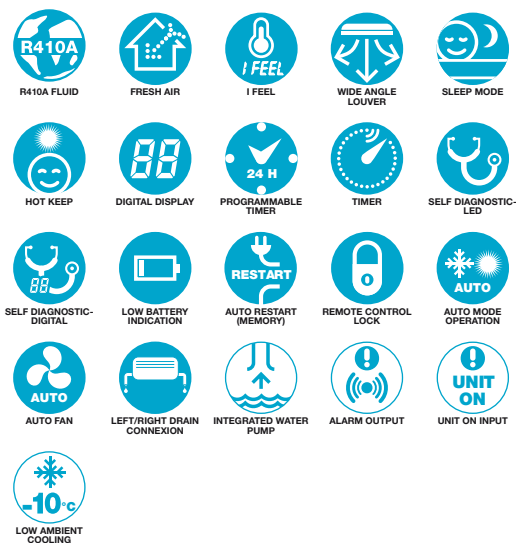


RC08B

RCW8
(optional)

PRODUCT ADVANTAGES

- 2 directions airflow control.
- Air fresh intake as option.
- Vertical or horizontal installation.



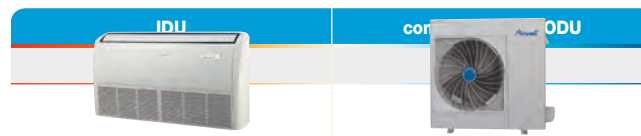
ACCESSORIES/OPTIONS

Acc.	Ref.	Photo	Description	Function
RCW8	7ACEL1706		Wired single control	Mode, Fan speed, Timer on-off, Temperature, Swing and "I Feel".
Central controller for LCAC-M	7ACEL1707		Central controller	Control up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory.
BMS-M	7ACEL1708		BMS gateway	

FCF TECHNICAL DATA

Indoor units		AWSI-FCF012-N11	AWSI-FCF018-N11	AWSI-FCF024-N11	AWSI-FCF030-N11	AWSI-FCF036-N11	AWSI-FCF036-N11	AWSI-FCF042-N11	AWSI-FCF060-N11
Outdoor units 1-230V - 50 Hz		AWAU-YOF012-H11	AWAU-YOF018-H11	AWAU-YOF024-H11	AWAU-YOF030-H11	AWAU-YOF036-H11	-	-	-
Outdoor units 3-400V - 50 Hz		-	-	-	-	-	AWAU-YOF036-H13	AWAU-YOF042-H13	AWAU-YOF060-H13
COOLING									
Rated Capacity	kW	3.5	5.6	7.1	8.9	9.4	9.8	12.8	15.6
Input power	kW	1.20	2.14	2.68	3.07	3.88	3.74	4.7	5.51
EER/Energy label		2.9/C	2.61/D	2.65/D	2.9/C	2.42/E	2.62/D	2.72/D	2.83/C
Operating limits	°C	18°/43° Dry bulb							
HEATING									
Capacity Rated Capacity	kW	3.6	5.8	7.5	9.4	11.2	10.6	14.2	17
Input power	kW	1.10	1.8	2.46	2.92	3.97	3.58	4.89	5.52
COP/Energy label		3.28/C	3.22/C	3.05/D	3.22/C	2.82/D	2.96/D	2.90/D	3.08/D
Operating limits	°C	-7°/24° Dry bulb							
INDOOR UNIT									
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	41/46/52	41/46/52	42/48/53	45/49/54	45/49/54	45/49/54	50/53/56	51/54/57
Sound power level	dB(A)	62	62	63	64	64	64	66	67
Airflow (LS/MS/HS)	m³/h	900/1050/1300	900/1050/1300	1000/1200/1400	1250/1400/1750	1250/1400/1750	1250/1400/1750	1650/1800/1950	1700/1900/2300
Dehumidification	l/h	1.2	1.9	2.3	2.5	2.9	2.9	4.3	5
Outline dimensions (WxHxD)	mm	1068x675x235	1068x675x235	1068x675x235	1285x675x235	1285x675x235	1285x675x235	1285x675x235	1650x675x235
Package dimensions (WxHxD)	mm	1145x755x313	1145x755x313	1145x755x313	1360x755x313	1360x755x313	1360x755x313	1360x755x313	1725x755x313
Net weight/Gross weight	kg	23/28	24/29	24/29	29/36	29/36	29/36	30/35	40/46
Part number		7SP012208	7SP012209	7SP012210	7SP012211	7SP012212	7SP012212	7SP012213	7SP012218
OUTDOOR UNIT									
Sound pressure level to 1 m	dB(A)	55	58	59	61	61	61	62	63
Sound power level	dB(A)	65	68	69	71	71	71	72	73
Airflow	m³/h	1800	2400	2700	5200	5500	5500	7200	7500
Compressor type		Rotary	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll
Outline dimensions (WxHxD)	mm	780x540x250	760x590x285	845x700x320	990x965x345	990x965x345	990x965x345	938x1369x392	938x1369x392
Package dimensions (WxHxD)	mm	910x585x335	887x645x355	965x755x395	1120x1100x435	1120x1100x435	1120x1100x435	1095x1505x495	1095x1505x495
Net weight/Gross weight	kg	28/30	37/39	48/54.5	67.1/77.2	84.5/94.5	81/92	110/124	111.1/125.4
Part number 1~230V - 50 Hz		7SP062842	7SP062843	7SP062844	7SP062845	7SP062846	-	-	-
Part number 3~400V - 50 Hz		-	-	-	-	-	7SP062847	7SP062848	7SP062849
POWER SUPPLY 1~230V - 50 HZ									
Power supply side		Indoor	Indoor	Indoor	Indoor	Indoor	-	-	-
Power cable section	mm²	3x1.5	3x1.5	3x2.5	3x4.0	3x4.0	-	-	-
Fuse rating am	A	16	16	25	30	30	-	-	-
Electrical connections	mm²	3x1.5 + 2x1.0 + 2x0.5	3x1.5 + 2x1.0 + 2x0.5	3x2.5 + 3x1.0 + 2x0.5	3x4.0 + 3x1.0 + 2x0.5	3x4.0 + 3x1.0 + 2x0.5	-	-	-
POWER SUPPLY 3~400V - 50 HZ									
Power supply side		-	-	-	-	-	Indoor	Ind. & Out.	Ind. & Out.
Power cable section	mm²	-	-	-	-	-	5x2.5	3x1.0+5x2.5	3x1.0+5x2.5
Fuse rating am	A	-	-	-	-	-	20	16 + 20	16 + 20
Electrical connections	mm²	-	-	-	-	-	3x1.0 + 3x1.0	3x0.5	3x0.5
PIPE LINE									
Suction pipe diameter	inches	1/2"	1/2"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Max length	m	20	25	25	25	30	30	50	50
Max height	m	10	15	15	15	20	20	25	25

AIRWELL SOLUTIONS



CBF

CASSETTE 600x600

- q Cassette line available in capacities from 3.40 and 5.20 kW.
- q Cooling and heating operation mode.
- q "I Feel" function with precise room temperature control.

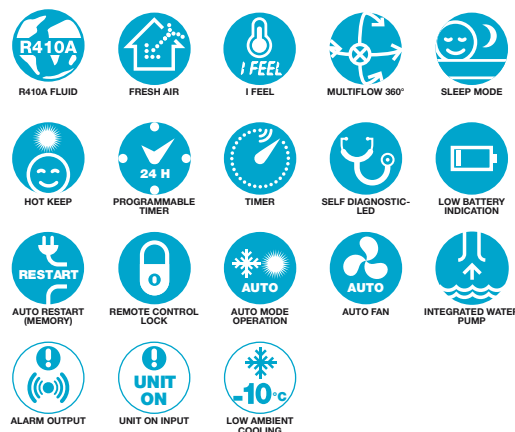


PRODUCT ADVANTAGES

- Compact dimensions, 600x600 design for modulating ceiling.
- 360 degree airflow supply.
- Integrated electronic control box.
- Option for fresh air intake.



RC08B

RCW8
(optional)

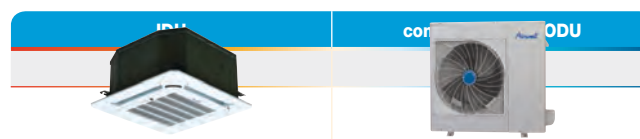
ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
Cassette Panel 570x570 CBD 12/18	7ACVF0565		Cassette Panel 570x570 for CBF/CBD 12/18	
RCW8	7ACEL1706		Wired single control	Mode, Fan speed, Timer on-off, Temperature, Swing and "I Feel".
Central controller for LCAC-M	7ACEL1707		Central controller	Control up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory.
BMS-M	7ACEL1708		BMS gateway	

CBF TECHNICAL DATA

Indoor units		AWSI-CBF012-N11	AWSI-CBF018-N11
Outdoor units		AWAU-YOF012-H11	AWAU-YOF018-H11
COOLING			
Rated Capacity	kW	3.4	5.2
Input power	kW	1.15	1.99
EER/Energy label		2.96/C	2.61/D
Operating limits	°C	18°/43° Dry bulb	
HEATING			
Capacity Rated Capacity	kW	3.6	5.6
Input power	kW	1.15	1.79
COP/Energy label		3.13/D	3.13/D
Operating limits	°C	-7°/24° Dry bulb	
INDOOR UNIT			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	40/43/46	40/43/46
Sound power level	dB(A)	56	56
Airflow (LS/MS/HS)	m³/h	560/710/800	560/710/800
Dehumidification	l/h	1.1	1.9
Outline dimensions (WxHxD)	mm	570x260x570	570x260x570
Package dimensions (WxHxD)	mm	655x290x655	655x290x655
Net weight/Gross weight	kg	15/18	17.5/20
Part number		7SP042229	7SP042230
FRAME (INCLUDED IN THE INDOOR UNIT)			
Outline dimensions (WxHxD)	mm	647x50x647	647x50x647
Package dimensions (WxHxD)	mm	715x123x715	715x123x715
Net weight/Gross weight	kg	2.5/4.5	2.5/4.5
Part number frame		7ACVF0565	7ACVF0565
OUTDOOR UNIT			
Sound pressure level to 1 m	dB(A)	55	58
Sound power level	dB(A)	65	68
Airflow	m³/h	1800	2400
Compressor type		Rotary	Rotary
Outline dimensions (WxHxD)	mm	780x540x250	760x590x285
Package dimensions (WxHxD)	mm	910x585x335	887x645x355
Net weight/Gross weight	kg	28/30	37/39
Part number		7SP062842	7SP062843
POWER SUPPLY 1~230V - 50 HZ			
Power supply side		Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5
Fuse rating am	A	16	16
Electrical connections	mm²	3x1.5 + 2x1.0 + 2x0.5	3x1.5 + 2x1.0 + 2x0.5
PIPE LINE			
Suction pipe diameter	inches	1/2"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"
Max length	m	20	25
Max height	m	10	15

AIRWELL SOLUTIONS





CBF

CASSETTE 900x900

- q Cassette line available in capacities from 6.80 up to 14.0 kW.
- q Cooling and heating operation mode.
- q "I Feel" function with precise room temperature control.

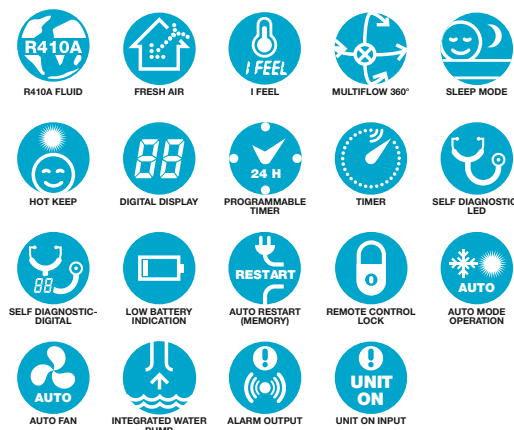


RC08B

RCW8
(optional)

PRODUCT ADVANTAGES

- Compact and slim design from 205 mm (model 24).
- 360 degree airflow supply.
- Integrated electronic control box.
- Option for fresh air intake.



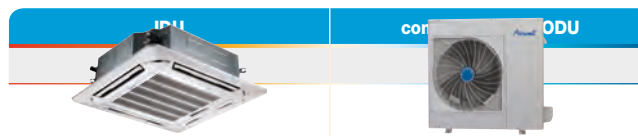
ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
Cassette Panel 570x570 CBD 12/18	7ACVF0565		Cassette Panel 570x570 for CBF/CBD 12/18	
RCW8	7ACEL1706		Wired single control	Mode, Fan speed, Timer on-off, Temperature, Swing and "I Feel".
Central controller for LCAC-M	7ACEL1707		Central controller	Control up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory.
BMS-M	7ACEL1708		BMS gateway	

CBF TECHNICAL DATA

Indoor units		AWSI-CBF024-N11	AWSI-CBF036-N11	AWSI-CBF036-N11	AWSI-CBF042-N11	AWSI-CBF060-N11
Outdoor units 1-230V - 50 Hz		AWAU-YOF024-H11	AWAU-YOF036-H11	-	-	-
Outdoor units 3-400V - 50 Hz		-	-	AWAU-YOF036-H13	AWAU-YOF042-H13	AWAU-YOF060-H13
COOLING						
Rated Capacity	kW	6.8	10	10	12.8	14
Input power	kW	2.61	3.97	3.97	4.77	5.57
EER/Energy label		2.61/D	2.52/E	2.52/E	2.68/D	2.51/E
Operating limits	°C	18°/43° Dry bulb				
HEATING						
Capacity Rated Capacity	kW	7.4	11	11	13.6	16
Input power	kW	2.49	3.57	3.57	4.65	6.1
COP/Energy label		2.97/D	3.08/D	3.08/D	2.92/D	2.62/E
Operating limits	°C	-7°/24° Dry bulb				
INDOOR UNIT						
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	42/45/48	43/47/51	43/47/51	46/49/54	47/50/55
Sound power level	dB(A)	58	61	61	64	65
Airflow (LS/MS/HS)	m³/h	900/1050/1200	1400/1600/1800	1400/1600/1800	1400/1600/1900	1500/1700/2000
Dehumidification	l/h	2.4	2.9	2.9	4.3	5.0
Outline dimensions (WxHxD)	mm	840x205x840	840x245x840	840x245x840	840x245x840	840x287x840
Package dimensions (WxHxD)	mm	900x225x900	900x265x900	900x265x900	900x265x900	900x292x900
Net weight/Gross weight	kg	23/27	25/28.5	25/28.5	26.5/30.2	28.3/32.5
Part number		7SP042231	7SP042232	7SP042232	7SP042233	7SP042238
FRAME (INCLUDED IN THE INDOOR UNIT)						
Outline dimensions (WxHxD)	mm	950x55x950	950x55x950	950x55x950	950x55x950	950x55x950
Package dimensions (WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
Net weight/Gross weight	kg	5/8	5/8	5/8	5/8	5/8
Part number frame 950x950		7ACVF0564	7ACVF0564	7ACVF0564	7ACVF0564	7ACVF0564
OUTDOOR UNIT						
Sound pressure level to 1 m	dB(A)	59	61	61	62	63
Sound power level	dB(A)	69	71	71	72	73
Airflow	m³/h	2700	5500	5500	7200	7500
Compressor type		Rotary	Scroll	Scroll	Scroll	Scroll
Outline dimensions (WxHxD)	mm	845x700x320	990x965x345	990x965x345	938x1369x392	938x1369x392
Package dimensions (WxHxD)	mm	965x755x395	1120x1100x435	1120x1100x435	1095x1505x495	1095x1505x495
Net weight/Gross weight	kg	48/54.5	84.5/94.5	81/92	110/124	111.1/125.4
Part number 1~230V - 50 Hz		7SP062844	7SP062846	-	-	-
Part number 3~400V - 50 Hz		-	-	7SP062847	7SP062848	7SP062849
POWER SUPPLY 1~230V - 50 HZ						
Power supply side		Indoor	Indoor	-	-	-
Power cable section	mm²	3x2.5	3x4.0	-	-	-
Fuse rating am	A	25	30	-	-	-
Electrical connections	mm²	3x2,5 + 3x1,0 + 2x0,5	3x4.0 + 3x1.0 + 2x0.5		-	-
POWER SUPPLY 3~400V - 50 HZ						
Power supply side		-	-	Indoor	Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²	-	-	5x2.5	3x1,0 + 5x2,5	3x1,0 + 5x2,5
Fuse rating am	A	-	-	20	16 + 20	16 + 20
Electrical connections	mm²	-	-	3x1.0 + 3x1.0	3x0,5	3x0,5
PIPE LINE						
Suction pipe diameter	inches	5/8"	3/4"	3/4"	3/4"	3/4"
Liquid pipe diameter	inches	3/8"	3/8"	3/8"	3/8"	3/8"
Max length	m	25	30	30	50	50
Max height	m	15	20	20	25	25

AIRWELL SOLUTIONS



DBF

DUCTED MEDIUM STATIC PRESSURE

- q Ducted line available in capacities from 3.50 up to 15.50 KW.
- q Cooling and heating operation mode.
- q Available in 3PH from 10.40 kW.
- q Wired control as a standard.

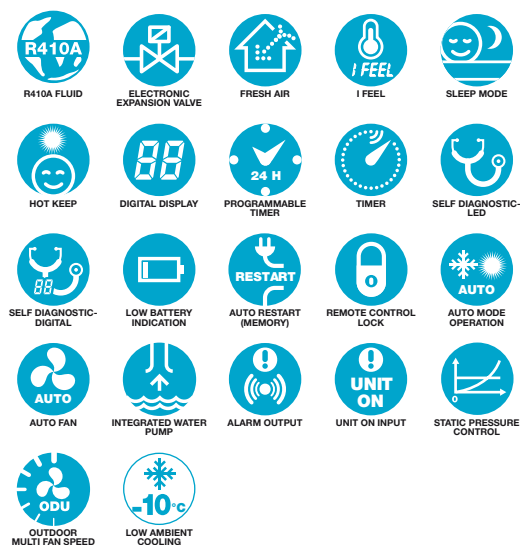


RCW8

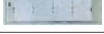
RC08B
(optional)

PRODUCT ADVANTAGES

- Optional for parallel installation of same indoor unit.
- Water drain pump build in as a standard.
- Option for connect air return plenum from rear or bottom side.



ACCESSORIES/OPTIONS

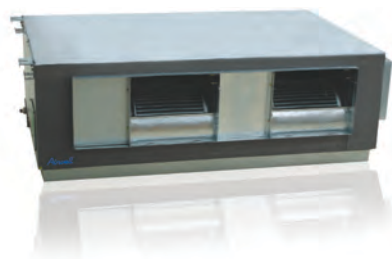
Acc.	Reference	Photo	Description	Function
Panel for DBF12	7ACVF0559		Air return grill DCD/DBF12	
Front board for DBF12	7ACEL1699		Air duct plenum DCD/DBF12	
Panel for DBF18	7ACVF0560		Air return grill DBF18	
Front board for DBF18	7ACEL1700		Air duct plenum DBF18	
Panel for DBF24	7ACVF0561		Air return grill DCD 18/24 and DBF24	
Front board for DBF24	7ACEL1701		Air duct plenum DCD 18/24 and DBF24	
Front board for DBF30/36	7ACEL1702		Air duct plenum DCD30/36/48 and DBF30/36/42/60	
Panel for DBF30/36	7ACVF0562		Air return grill DCD30 and DBF30/36	
Panel for DBF42/60	7ACVF0563		Air return grill DCD36/48 and DBF42/60	
RCW6	7ACEL1704		Wired single control	Mode, Fan speed, Real time, Timer, Temperature, Weekly Timer, Swing and "I Feel".
Test Tool-for Hi-Wall M	7ACEL1710		Service test tool	Capability to view system parameters, history, failure records and parameter adjustments.
ON-OFF dry contact adaptor	7ACEL1190			Option to control from remote with the last operation memory.

DBF TECHNICAL DATA

Indoor units		AWSI-DBF012-N11	AWSI-DBF018-N11	AWSI-DBF024-N11	AWSI-DBF030-N11	AWSI-DBF036-N11	AWSI-DBF036-N11	AWSI-DBF042-N11	AWSI-DBF060-N11
Outdoor units 1-230V - 50 Hz		AWAU-YOF012-H11	AWAU-YOF018-H11	AWAU-YOF024-H11	AWAU-YOF030-H11	AWAU-YOF036-H11	-	-	-
Outdoor units 3-400V - 50 Hz		-	-	-	-	-	AWAU-YOF036-H13	AWAU-YOF042-H13	AWAU-YOF060-H13
COOLING									
Rated Capacity	kW	3.5	5.1	7.2	8.7	10.4	10.4	14	15.5
Input power	kW	1.18	2.11	2.62	3.24	4.31	4.06	4.96	5.93
EER/Energy label		2.96/C	2.41/E	2.75/D	2.68/D	2.41/E	2.56/E	2.82/C	2.61/D
Operating limits	°C	18°/43° Dry bulb							
HEATING									
Capacity Rated Capacity	kW	3.6	5.5	7.4	9.1	11.6	11.2	15.6	17
Input power	kW	1.10	1.87	2.52	2.79	3.60	3.40	4.31	5.29
COP/Energy label		3.25/C	2.94/D	2.93/D	3.26/C	3.22/C	3.29/C	3.62/A	3.21/C
Operating limits	°C	-7°/24° Dry bulb							
INDOOR UNIT									
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	31/37/43	33/37/44	34/37/44	40/42/48	40/43/49	40/43/49	40/45/49	40/45/49
Sound power level	dB(A)	53	54	54	58	59	59	59	59
Airflow (LS/MS/HS)	m³/h	520/610/800	650/770/1170	1000/1100/1400	1720/1940/2250	1650/1890/2270	1650/1890/2270	1700/2100/2500	1700/2100/2500
Dehumidification	l/h	1.1	1.9	2.4	2.5	2.9	2.9	4.3	5.0
External static pressure Range	Pa	30 (0~40)	30 (0~70)	40 (0~70)	50 (0~80)	50 (0~80)	50 (0~80)	70 (0~100)	70 (0~100)
Outline dimensions (WxHxD)	mm	700x210x635	920x210x635	920x270x635	1140x270x775	1140x270x775	1140x270x775	1200x300x865	1200x300x865
Package dimensions (WxHxD)	mm	915x655x290	1135x290x655	1135x350x655	1355x350x795	1355x350x795	1355x350x795	1385x373x920	1385x373x920
Net weight/Gross weight	kg	20/25	24/28	26.5/32	37/43	36/43	36/43	45/53	45/53
Part number		7SP032147	7SP032148	7SP032149	7SP032150	7SP032151	7SP032151	7SP032152	7SP032153
OUTDOOR UNIT									
Sound pressure level to 1 m	dB(A)	55	58	59	61	61	61	62	63
Sound power level	dB(A)	65	68	69	71	71	71	72	73
Airflow	m³/h	1800	2400	2700	5200	5500	5500	7200	7500
Compressor type		Rotary	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll
Outline dimensions (WxHxD)	mm	780x540x250	760x590x285	845x700x320	990x965x345	990x965x345	990x965x345	938x1369x392	938x1369x392
Package dimensions (WxHxD)	mm	910x585x335	887x645x355	965x755x395	1120x1100x435	1120x1100x435	1120x1100x435	1095x1505x495	1095x1505x495
Net weight/Gross weight	kg	28/30	37/39	48/54.5	67.1/77.2	84.5/94.5	81/92	110/124	111.1/125.4
Part number 1~230V - 50 Hz		7SP062842	7SP062843	7SP062844	7SP062845	7SP062846	-	-	-
Part number 3~400V - 50 Hz		-	-	-	-	-	7SP062847	7SP062848	7SP062849
POWER SUPPLY 1~230V - 50 HZ									
Power supply side		Indoor	Indoor	Indoor	Indoor	Indoor	-	-	-
Power cable section	mm²	3x1.5	3x1.5	3x2.5	3x4.0	3x4.0	-	-	-
Fuse rating am	A	16	16	25	30	30	-	-	-
Electrical connections	mm²	3x1.5 + 2x1.0 + 2x0.5	3x1.5 + 2x1.0 + 2x0.5	3x2.5 + 3x1.0 + 2x0.5	3x4.0 + 3x1.0 + 2x0.5	3x4.0 + 3x1.0 + 2x0.5	-	-	-
POWER SUPPLY 3~400V - 50 HZ									
Power supply side		-	-	-	-	-	Indoor	Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²	-	-	-	-	-	5x2.5	3x1.0 + 5x2.5	3x1.0 + 5x2.5
Fuse rating am	A	-	-	-	-	-	20	16 + 20	16 + 20
Electrical connections	mm²	-	-	-	-	-	3x1.0 + 3x1.0	3x0.5	3x0.5
PIPE LINE									
Suction pipe diameter	inches	1/2"	1/2"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Max length	m	20	25	25	25	30	30	50	50
Max height	m	10	15	15	15	20	20	25	25

AIRWELL SOLUTIONS





DAF [EC COMPLY]

DUCTED 68 TO 136

- q Ducted line available in capacities from 20 up to 39.5 kW.
- q Cooling & heating operation mode.
- q “I Feel” function with precise room temperature control.

PRODUCT ADVANTAGES

- Wired (IR receiver integrated) and wireless remote controls provided as standard.
- Self diagnostic (error indications) in remote the wired remote control for ease of maintenance.
- Space saving due to low unit height.
- Centralized controller up to 16 units including weekly timer (optional).



RC08A



RCW3

RCW4
(optional)

ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Additional accessory required	Function
RCW-4	7ACEL1613		Wired group control.		- Control up to 16 indoor unit as a group or individually. - Option to set in each indoor unit ON/OFF, set temperature, timer (daily and weekly), mode, fan speed and swing. - Indicating failure code.

DAF TECHNICAL DATA

Indoor units		AWSI-DAF068-N13	AWSI-DAF085-N13	AWSI-DAF102-N13	AWSI-DAF136-N13
Outdoor units		AWAU-YIF068-H13	AWAU-YIF085-H13	AWAU-YIF102-H13	AWAU-YIF136-H13
COOLING					
Capacity	kW	20.0	24.5	30.0	39.5
Input power	kW	8.4	9.8	11.0	15.8
EER/Energy label		2.38	2.5	2.73	2.5
Operating limits	°C	18°/43° Dry bulb	-15°/43° Dry bulb	18°/43° Dry bulb	-15°/43° Dry bulb
HEATING					
Capacity	kW	22.0	27.5	33.0	42.0
Input power	kW	7.4	9.00	9.0	14.0
COP/Energy label		2.97	3.05	3.67	3.0
Operating limits	°C	-7°/24° Dry bulb			
INDOOR UNIT					
Sound pressure level to 1 m	dB(A)	56	54	57	58
Sound power level	dB(A)	66	64	67	68
Airflow	m³/h	4000	4800	5500	7000
External static pressure	Pa	200 (100-300)	110 (30-250)	120 (50-250)	150 (50-300)
Dehumidification	l/h	5.4	7.5	9	12
Outline dimensions (WxHxD)	mm	1463x389x799	1500x500x1000	1500x500x1000	1700x650x1100
Package dimensions (WxHxD)	mm	1540x470x880	1840x673x1200	1840x673x1200	1890x835x1460
Net weight/Gross weight	kg	86/109	150/200	156/206	215/265
Part number		7SP032127	7SP032128	7SP032129	7SP032130
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	65	66	67	69
Sound power level	dB(A)	75	76	77	79
Airflow	m³/h	8000	8000	11000	13000
Compressor type		Scroll	Scroll	Scroll	Scroll
Outline dimensions (WxHxD)	mm	1150x1350x460	1150x1600x460	990x1772x880	1290x1772x880
Package dimensions (WxHxD)	mm	1317x1475x502	1317x1730x502	1162x1950x980	1370x1950x980
Net weight/Gross weight	kg	158/174	185/200	216/266	285/330
Part number 3~400V - 50 Hz		7SP061794	7SP061795	7SP061796	7SP061797
POWER SUPPLY 3~400V - 50 HZ					
Power supply side		Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²	5x1.0 - 5x4.0	5x1.0 - 5x6.0	5x1.0 - 5x10.0	5x1.5 - 5x10.0
Fuse rating am	A	10 - 25	10 - 32	10 - 40	10 - 40
Electrical connections	mm²	2x0.75	2x0.75	2x0.75	2x0.75
PIPE LINE					
Suction pipe diameter	inches	3/4"	1"	1-1/8"	1-1/8"
Liquid pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Max length	m	30	30	30	30
Max height	m	50	50	50	50

AIRWELL SOLUTIONS





RC08B

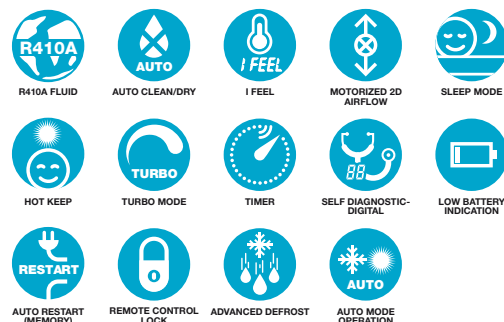
MAF [ECODESIGN]

PORTABLE

- q Portable line available in capacities 2.64 and 3.52 kW.
- q Cooling only operation.

PRODUCT ADVANTAGES

- 0.5 W in standby mode.
- Installation kit for window and wall as standard.
- Option of manual control or by wireless remote control.



MAF TECHNICAL DATA

Indoor units		AWPO-MAF009-C11	AWPO-MAF012-C11
COOLING			
Capacity	kW	2.64	3.52
Input power	kW	1.01	1.35
EER/Energy label		2.61/A	2.61/A
Operating limits	°C	17°/35° Dry bulb	
INDOOR UNIT			
Type		Monoblock	Monoblock
Sound Pressure level (LS/MS/HS)	dB(A)	46/49/52	46/49/52
Sound Power Level	dB(A)	65	65
Airflow	m3/h	370	370
Dehumidification	l/h	1.6	1.8
Outline dimensions (WxHxD)	mm	467x765x397	467x765x397
Package dimensions (WxHxD)	mm	517x880x437	517x880x437
Net weight/Gross weight	kg	30/34	33.5/37
Part number		7MB021056	7MB021057

AIRWELL SOLUTIONS





WDF [ECODESIGN] WINDOW

- q Window line available in capacities from 2.6 and 3.3 kW.
- q Cooling operation mode.
- q Side air supply.

PRODUCT ADVANTAGES

- Option to control the unit by touch panel (built in) or by wireless remote control.
- Complete accessories for any type of installation are included.
- Digital display for the timer and temperature.



R410A FLUID



REMOVABLE WASHABLE PANEL



MOTORIZED 4D AIRFLOW



SLEEP MODE



TIMER



RESTART (MEMORY)



YX1F

WDF TECHNICAL DATA

Indoor units		AWWR-WDF009-C11		AWWR-WDF012-C11	
COOLING					
Capacity	kW	2.6		3.3	
Pdesignnc	kW	2.6		3.3	
Input power	kW	0.93		1.17	
SEER/Energy label		3.6/D		3.6/D	
Operating limits	°C	18°/43° Dry bulb			
INDOOR UNIT					
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	45/47/49		45/47/49	
Airflow (LS/MS/HS)	m³/h	310/350/380		400/450/490	
Dehumidification	l/h	1.0		1.2	
Compressor type		Rotary		Rotary	
Outline dimensions (WxHxD)	mm	600x380x560		660x428x680	
Package dimensions (WxHxD)	mm	685x430x620		746x515x815	
Net weight/Gross weight	kg	34/36.7		46/50	
Part number		7WT010002		7WT010003	
POWER SUPPLY 1~230V - 50 HZ					
Power supply side		Indoor		Indoor	
Power cable section	mm²	3x1.0		3x1.5	
Fuse rating am	A	10		10	

AIRWELL SOLUTIONS





SX TELECOM

FLOOR CEILING

- q Floor ceiling line available in capacities 5.2 and 8.3 kW.
- q Operating range -10 up to 46°C in cooling.
- q Cooling only operation mode.
- q Wireless remote control included, with option of wired control.
- q Available in 3PH in 8 kW capacity.



RC08W

RCW2
(optional)

PRODUCT ADVANTAGES

- Treatment of corrosion on outdoor units and electronic cards.
- Wide operating temperature, dedicated product for communication rooms.
- High pressure and low pressure protection.
- Alarm output (dry contact).
- 2D motorized air control.
- Special product design to operate in high humidity and corrosion areas.



R410A FLUID



AUTO CLEAN/DRY



I FEEL

MOTORIZED 2D
AIRFLOW

SLEEP MODE



TURBO MODE



TIMER

LOW BATTERY
INDICATIONAUTO RESTART
(MEMORY)REMOTE CONTROL
LOCK

ADVANCED DEFROST



GROUP CONTROL

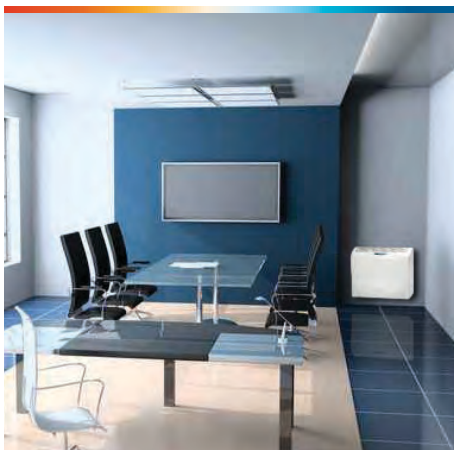
ACCESSORIES/OPTIONS

Acc.	Ref.	Photo	Description	Additional accessory required	Function
RCW2	7ACEL1212		Wired group control (HJD required connexion kit).	CBI-A P/N7ACEL1580 or CBI-B P/N7ACEL1616 For HJD only.	- Control up to 32 Indoor unit as a group or individually. - Option to set up to 15 group zones. - Option to set timer (daily and weekly), mode, fan speed and swing.
CBI-B	7ACEL1616		Communication interface board Heating model only option.	Kit is including cables.	- RS485, RCW2, RCL remote controls. - 1 dry contact input (selecting by dip switches). - Alarm status output (12V DC). - ON/OFF status output (12V DC).

SX TELECOM TECHNICAL DATA

Indoor units		SX TELECOM 18 AW		SX TELECOM 30 AW	
Outdoor units 1-230V - 50 Hz		AWAU-YHF018-H11		-	
Outdoor units 3-400V - 50 Hz		-		GC 30T LT AW	
COOLING					
Rated Capacity	kW	5.2		8.3	
Pdesignnc	kW	5.6		8.6	
Input power	kW	1.73		2.77	
SEER/Energy label		3.4/E		3.4/E	
Operating limits	°C	-10°/46° Dry bulb			
INDOOR UNIT					
Sound pressure level to 1 m (LS/MS/MS)	dB(A)	40/44/47		49/53/56	
Sound power level (LS/MS/HS)	dB(A)	51/55/59		60/64/68	
Airflow (LS/MS/HS)	m³/h	460/520/560		1010/1200/1360	
External static pressure Range	Pa	-		-	
Dehumidification	l/h	1.6		2.5	
Outline dimensions (WxHxD)	mm	820x630x190		1200x630x190	
Package dimensions (WxHxD)	mm	920x762x273		1270x732x273	
Net weight/Gross weight	kg	21/23		32/36	
Part number		7SP012165		7SP012166	
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	60		61	
Sound power level	dB(A)	68		69	
Airflow	m³/h	2950		3100	
Compressor type		Rotary		Rotary	
Outline dimensions (WxHxD)	mm	900x700x340		900x860x340	
Package dimensions (WxHxD)	mm	985x730x435		985x905x435	
Net weight/Gross weight	kg	50/53		78/82	
Part number 1~230V - 50 Hz		7SP061894		-	
Part number 3~400V - 50 Hz		-		7SP061713	
POWER SUPPLY 1~230V - 50 HZ					
Power supply side		Indoor & Outdoor		-	
Power cable section	mm²	5x2.5		-	
Fuse rating	A	16		-	
Electrical connections	mm²	4x2.5 + 5x2.5		-	
POWER SUPPLY 3~400V - 50 HZ					
Power supply side		-		Outdoor	
Power cable section	mm²	-		5x2.5	
Fuse rating am	A	-		3x16	
Electrical connections	mm²	-		5x1.5 + 2x0.5	
PIPE LINE					
Suction pipe diameter	inches	1/2"		5/8"	
Liquid pipe diameter	inches	1/4"		3/8"	
Max length	m	15		30	
Max height	m	7		15	

AIRWELL SOLUTIONS





Unique
solutions

CAO/GCAO water condensing solution



Easy and simple installation

Outdoor unit free

【 PACKAGE SOLUTION 】



【 SPLIT SOLUTION 】



HIGH WALL HHF



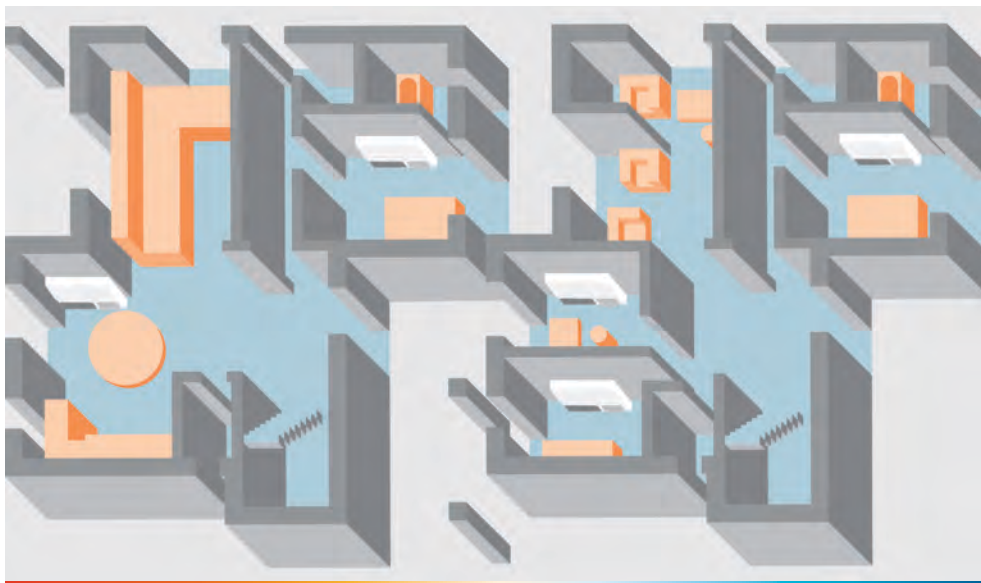
CASSETTE CAF



FLOOR CEILING FAF (under development)



DUCTED MSP DAF (under development)



Features

- q Ideal solution for building with local restrictions or esthetic solution.
- q Easy and simple installation.
- q Solution for places without access to external wall.
- q High efficiency system with advance heat exchanger.
- q Build in system protection in water side.




CAO [EC COMPLY]


WATER CONSOLE

- q Water console with capacities from 2.3 to 4.7 kW.
- q Cooling mode.
- q Electrical heater in option.
- q Refrigerant: R407C

PRODUCT ADVANTAGES

- Ideal indoor solution when the building structure or aesthetic reasons forbid a condensing outdoor unit.
- Able to be connected to public water network.
- Modulating regulation valve for reducing water consumption.

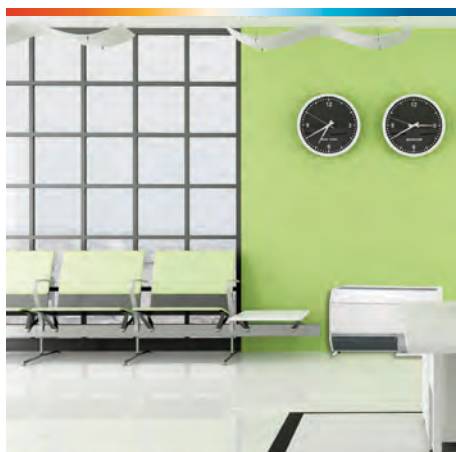
ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Additional accessory required	Function
Electrical heater	7ACEL0006		Electrical heater 2 kW.		Simple electrical additional heater 2 kW.
	7ACEL0007		Electrical heater 3 kW.		Simple electrical additional heater 3 kW.
Wired remote control	7ACEL0039		Simple wired remote control.		Simple function as ON/OFF, operating mode temperature.

CAO TECHNICAL DATA

Indoor units		CAO 230	CAO 370	CAO 580
COOLING				
Capacity	kW	2.3	3	4.7
Input power	kW	0.66	0.85	1.3
EER/Energy label		3.4/E	3.5/D	3.6/D
Operating limits	°C	15°/32° Dry Bulb		
Condenser inlet water temperature		10°/30°		
INDOOR UNIT				
Sound pressure level to 1 m (LS/HS)	dB(A)	37/40	38/41	41/43
New airflow	m³/h	60	60	80
Airflow (LS/HS)	m³/h	450/550	450/550	725/880
Water flow at +15°C	l/h	130	170	270
Compressor type		Rotary	Rotary	Rotary
Dimensions (WxHxD)	mm	1030x620x226	1030x620x226	1390x620x226
Weight	kg	48	49	69
Part number		7CW011016	7CW011017	7CW011018
POWER SUPPLY 1-230V - 50HZ				
Power supply side		Indoor	Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5
Fuse rating am		6	6	8

AIRWELL SOLUTIONS





GCAO [EC COMPLY]

Unique solutions

WATER SOURCE

- q Water cooled unit available in capacity from 2.7 up to 6.37 kW.
- q Cooling operation mode.

COMPATIBLE WITH

HIGH WALL HHF



CASSETTE CAF



FLOOR CEILING FAF
(under development)



DUCTED MSP DAF
(under development)



PRODUCT ADVANTAGES

- Water flow protection by presostat valve.
- High pressure switch with manual reset.
- Super quiet.
- Connection to HHF, CAF, FAF and DAF indoor units.
- Ideal solution for premises where it is impossible to install an outdoor unit.
- Connection to recycled or lost water systems.
- Water intake and drainage via public water network.
- Pressostat valve supplied (to limit water consumption).



A/A CLASS EFFICIENCY



R410A FLUID



NANO PHOTOCATALYTIC FILTER



ELECTROSTATIC FILTER - ANTIBACTERIA



AUTO CLEAN/DRY



I FEEL



WIDE ANGLE LOUVER



MOTORIZED 2D AIRFLOW



SLEEP MODE



TURBO MODE



TIMER



LOW BATTERY INDICATION



AUTO RESTART (MEMORY)



REMOTE CONTROL LOCK



COMPACT DESIGN

ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
Adaptor	7ACVF0547		Additional adaptor refer to all CAF/DAF/FAF	Electronic adapter between IDU CAF/DAF/FAF to ODU GCAO.

GCAO TECHNICAL DATA

Outdoor units			GCAO 9N	GCAO 12N	GCAO 18N	GCAO 24N
COOLING						
Capacity	kW		2.70	3.65	5.85	6.37
Input power	kW		0.68	0.94	1.34	1.90
EER/Energy label			4.19/A	3.88/B	4.37/A	3.76/B
Operating limits indoor temperature	°C	17°/32° Dry Bulb				
Condenser inlet water temperature	°C	10°/45°				
OUTDOOR UNIT						
Sound power level to 1 m	dB(A)		49	49	51	53
Waste water flow at + 15°C	l/h		120	160	250	320
Recycled water flow 30/35°C	l/h		600	850	1 250	1 550
Compressor type			Rotary	Rotary	Rotary	Rotary
Dimensions (WxHxD)	mm		625x473x360	625x473x360	625x473x360	625x473x360
Weight	kg		41	45	50	56
Part number			7SP101040	7SP101041	7SP101045	7SP101044
PIPE LINE						
Suction pipe diameter	inches		3/8"	1/2" *	1/2"	1/2"
Liquid pipe diameter	inches		1/4"	1/4"	1/4"	1/4"
Max length	m		25	25	25	25
Max height	m		15	15	15	15
INDOOR UNIT						
Power supply			1~230V - 50 Hz			
Power supply side			Indoor	Indoor	Indoor	Indoor
Power cable section	mm²		3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating am	A		10	10	10	16
Electrical connections	mm²		3x1.5	3x1.5	3x1.5	4x2.5
Indoor units high wall			AWSI-HHF009-N11	AWSI-HHF012-N11	AWSI-HHF018-N11	AWSI-HHF024-N11
Sound pressure level to 1 m (LS/MS/HS/SS)	dB(A)		32/35/37/40	32/35/38/41	35/39/42/45	38/41/44/47
Sound power level (LS/MS/HS/SS)	dB(A)		42/45/47/50	42/45/48/51	45/49/52/55	48/51/54/57
Dehumidification	l/h		0.8	1.2	1.8	3
Airflow (LS/MS/HS/SS)	m³/h		310/340/370/400	350/420/500/550	550/650/780/850	550/650/780/850
Dimensions (WxHxD)	mm		730x255x174	790x265x177	940x298x200	940x298x200
Weight	kg		8	9	13	13
Part number			7SP022856	7SP022857	7SP022858	7SP022859
Indoor units cassette			AWSI-CAF012-N11**	AWSI-CAF012-N11	AWSI-CAF018-N11	AWSI-CAF024-N11
Sound pressure level to 1 m	dB(A)		43/45/47	43/45/47	43/45/47	43/45/47
Sound power level	dB(A)		53/55/57	53/55/57	53/55/57	53/55/57
Airflow	m³/h		620/720/820	620/720/820	620/720/820	1000/1080/1180
Dehumidification	l/h		1,1	1,1	1,9	2,35
Dimensions (WxHxD)	mm		600x230x600	600x230x600	600x230x600	840x260x840
Weight	kg		20	20	20	30
Frame Dimensions	mm		650x650x50	650x650x50	650x650x50	950x950x60
Weight	kg		2,5	2,5	2,5	6,5
Part number			7SP042208	7SP042208	7SP042209	7SP042210
Part number frame			7ACVF0547	7ACVF0547	7ACVF0547	7ACVF0548
Electronic adapter between IDU CAF/DAF/FAF to ODU GCAO	Unit		7ACEL1653			

* To connect HHF 12, a flare adapter: 1/2" Female x 3/8" Male is mandatory.

** CAF 12 matching with GCAO 9.



SBF [EC COMPLY]

FLOOR STANDING

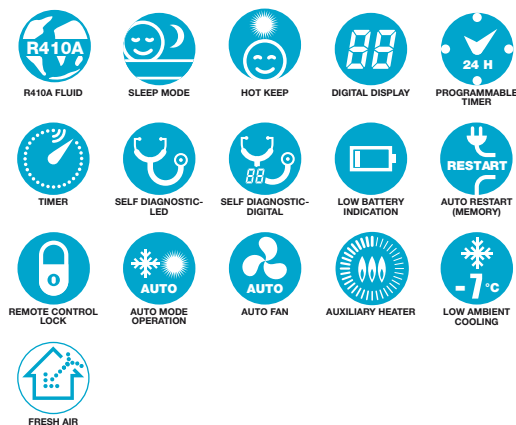
- q Floor standing available in 12.4 kW capacity.
- q Cooling & heating operation mode.
- q “I Feel” function with precise room temperature control.



RC08B

PRODUCT ADVANTAGES

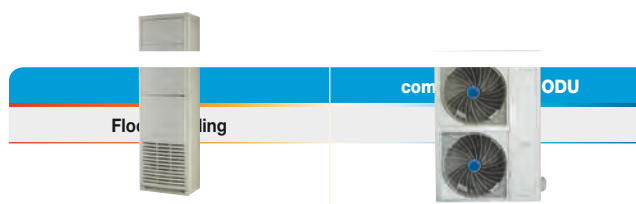
- Low ambient cooling operation up to -7°C as a standard.
- Modern design & digital display.



SBF TECHNICAL DATA

Indoor unit		AWSI-SBF048-N11
Outdoor unit		AWAU-YSF048-H13
COOLING		
Capacity	kW	12.4
Capacity of auxiliary heater	kW	3.50
Input power	kW	4.62
EER/Energy label		2.68/D
Operating limits	°C	-7°/43° Dry bulb
HEATING		
Capacity	kW	13.6 (+3.5)
Input power	kW	4.84 (+3.5)
COP/Energy label		2.81/D
Operating limits	°C	-7°/24° Dry bulb
INDOOR UNIT		
Sound pressure level to 1 m (LS/HS)	dB(A)	48/56
Sound power level	dB(A)	66
Airflow (LS/HS)	m³/h	1500/1850
Dehumidification	l/h	4.6
Outline dimensions (WxHxD)	mm	550x1800x350
Package dimensions (WxHxD)	mm	685x1910x540
Net weight/Gross weight	kg	48/63.3
Part number		7SP011084
OUTDOOR UNIT		
Sound pressure level to 1 m	dB(A)	61
Sound power level	dB(A)	71
Airflow	m³/h	5600
Compressor type		Scroll
Outline dimensions (WxHxD)	mm	938x1369x392
Package dimensions (WxHxD)	mm	1095x1505x495
Net weight/Gross weight	kg	111/123.4
Part number		7SP062850
POWER SUPPLY 3~400V - 50 HZ		
Power supply side		Outdoor
Power cable section	mm²	5x2.5
Fuse rating am	A	25
Electrical connections	mm²	6x1.5
PIPE LINE		
Suction pipe diameter	inches	3/4"
Liquid pipe diameter	inches	1/2"
Max length	m	20
Max height	m	10

AIRWELL SOLUTIONS



Light Commercial Range

[MODEL NAME]

Page

MONOSPLIT

AIR TO AIR SPLIT SYSTEM

DK DN



116

VERTICAL CABINET

VERTICAL AIR CABINET

X AC



118

VERTICAL WATER CABINET

X WC



120

ROOFTOP

ROOFTOP UNIT

HAN



122

12.5 kW 14 kW 17 kW 19 kW 25 kW 30 kW 40 kW 45 kW 55 kW 70 kW 85 kW

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[EC COMPLY] Comply with ECO Design regulation
[EC COMPLY] Product which is not included in ECO Design regulation
[*] Not European Comply



DK DN [EC COMPLY]

AIR TO AIR SPLIT SYSTEM COOLING AND HEATING MODE

- q Cooling and heating mode
- q Cooling Capacity: from 37.5 to 83 kW
- q Heating Capacity: from 36.5 to 83.8 kW
- q Refrigerant: R407C

PRODUCT ADVANTAGES

- Weather resistant casing with external panels coated with powder-based epoxy paint colour RAL 9001.
- Indoor centrifugal fan units for duct network connection.
- High static pressure available.
- Multi-position architecture for horizontal or vertical mounting (acc. to models).
- Compact, top discharge outdoor fan units.
- Low noise axial fan.
- Scroll compressor with crankcase heater.
- Electrical, refrigeration and thermal protection devices.
- Phase controller.
- External HP and LP pressure taps.
- Frame and air filter supplied.

MAIN OPTIONS

- Low ambient temperature control to ensure cooling operation down to -10°C outdoor temperature (All-season).

MAIN ACCESSORIES

- Synthetic air filter.
- Electric heater.
- Programmable controller RCW2 to control up to 15 units with independent set points and programming.

OPERATING LIMIT FOR STANDARD UNIT

Cooling mode	
Minimum indoor air temperature	21°C DB/15°C WB
Maximum indoor air temperature	32°C DB/23°C WB
Minimum outdoor air temperature/with all-season kit	15°C DB/-10°C
Maximum outdoor air temperature	46°C DB
Heating mode	
Maximum indoor air temperature	27°C DB
Minimum outdoor air temperature	-10°C
Maximum outdoor air temperature	24°C DB/18°C WB

DK DN TECHNICAL DATA

Indoor units			DK 405	DK 505	DK 605	DK 755	DK 905
Outdoor units	Cooling only		DN 405	DN 505	DN 605	DN 755	DN 905
	Reversible		DN 405RC	DN 505RC	DN 605RC	DN 755RC	DN 905RC
PRODUCT CODES							
Indoor units	Small ventilation	Code	7SP051144	7SP051145	7SP051146	7SP051122	7SP051123
	High ventilation	Code	7SP051148	7SP051149	7SP051150	-	-
Outdoor units - Cooling only	Standard	Code	7SP112016	7SP112017	7SP112018	7SP112137	7SP112146
	With all-season control	Code	7SP112085	7SP112086	7SP112087	Included	Included
Outdoor units - Reversible	Standard	Code	7SP112022	7SP112023	7SP112024	7SP112138	7SP112147
	With all-season control	Code	7SP112091	7SP112092	7SP112093	Included	Included
CAPACITIES							
Cooling	Cooling capacity	kW	37.5	44.0	56.0	69.1	83.0
	Input power	kW	14.4	16.7	22.5	26.9	33.0
	EER		2.6	2.6	2.5	2.6	2.5
Heating	Heating capacity	kW	36.5	42.0	57.5	71.0	83.8
	Input power	kW	11.9	14.4	22.9	26.4	32.4
	COP		2.9	2.5	2.7	2.6	2.5
INDOOR UNIT							
Ventilation	Available static pressure	Pa	180	520	320	330	460
	Nominal Airflow	m³/h	7560	9360	9720	12000	14300
	Airflow range (min/max)	m³/h	6000/8200	7500/10300	7780/11000	9600/13200	11440/15730
Sound Levels	Sound power level	dB(A)	83	84	85	87	87
Dimensions	WxHxD	mm	1690x676x1078	2100x703x1078	2100x703x1078	2208x795x949	2208x945x949
	Mounting	H/V	H	H	H	H	H
Weight	Unit weight	kg	160	205	209	266	282
OUTDOOR UNIT							
Ventilation	Number of fan		2	2	2	2	2
	Nominal Airflow	m³/h	2x9000	2x9000	2x9000	2x16000	2x16000
Sound Levels	Sound power level	dB(A)	87	86	86	87	87
Dimensions	WxHxD	mm	1708x972x1123	1708x1171x1123	1708x1171x1123	2213x1309x1345	2213x1459x1345
Weight	Unit weight	kg	317	378	405	559	592
Power Supply	Power supply		400V/3P/50 Hz				
	Power supply side		Outdoor				
Pipe Line	Suction pipe diameter < 20m	inches	7/8"	7/8"	1-1/8"	1-1/8"	1-3/8"
	Suction pipe diameter > 20m	inches	7/8"	7/8"	1-1/8"	1-3/8"	1-3/8"
	Liquid pipe diameter < 20m	inches	1/2"	1/2"	1/2"	5/8"	5/8"
	Liquid pipe diameter > 20m	inches	5/8"	5/8"	5/8"	5/8"	5/8"
	Max length	m	30	30	30	30	30
	Max height	m	15	15	15	15	15
ACCESSORIES							
Electric heater	kW		21	30	30	30	30
	Code		7ACEL1177	7ACEL1178	7ACEL1178	7ACEL1340	7ACEL1340
Remote control RCW2	Code		7ACEL1212				
Air filter	Code		7ACVF0125	7ACVF0126	7ACVF0126	-	-

AIRWELL SOLUTIONS





X AC [EC COMPLY]

VERTICAL AIR CABINET COOLING ONLY

X AC range is fully electromechanical
> **High reliability**

- q Cooling Capacity: from 16.2 to 55 kW
- q Refrigerant: R407C
- q Configuration: Split system

PRODUCT ADVANTAGES

- Easy installation and maintenance.
- Split system with outdoor condenser fan unit.
- Treated air distribution to premise by plenum or duct network.
- Adjustable available static pressure.
- Temperature control by thermostat.
- Electrical, refrigeration and thermal protection devices.

MAIN OPTIONS

- Room thermostat.
- Electric heater.
- Hot water heating coil.
- "All season" system (Cooling mode operation down to outdoor temperature of -10°C).
- Remote fault reporting.
- Plenum.
- Duct flange.
- Valves.
- Pipe link : linking pipes up to 10 m (to be mentionned when ordering), with female couplings.

OPERATING LIMIT FOR STANDARD UNIT

Indoor unit	
Minimum air temperature (room/intake/around unit)	21°C DB/15°C WB
Maximum air temperature (room/intake/around unit)	32°C DB/23°C WB
Outdoor unit	
Minimum air temperature/with all-season kit	15°C DB/-10°C
Maximum air temperature	50°C DB

X AC TECHNICAL DATA

Indoor units			AWSI-XAC1900-C23	AWSI-XAC2450-C23	AWSI-XAC3250-C23	AWSI-XAC4650-C23	AWSI-XAC6450-C23
Outdoor units			AWAU-CONA54-C23	AWAU-CONA74-C23	AWAU-CONA104-C23	AWAU-CONA74-C23	AWAU-CONA104-C23
PRODUCT CODES							
Indoor units	standard	Code	7XU122077	7XU122078	7XU122079	7XU122080	7XU122081
	without neutral	Code	7XU122220S	7XU122221S	7XU122222S	7XU122224S	7XU122227S
Outdoor units	standard	Code	7XU131026	7XU131027	7XU131028	2 x 7XU131027	2 x 7XU131028
	with all season control	Code	7XU131059	7XU131058	7XU131060	7XU131058	7XU131060
	without neutral	Code	7XU131056S	7XU131061S	7XU131062S	7XU131061S	7XU131062S
	without neutral, with all season control	Code	7XU131057S	7XU131064S	7XU131063S	7XU131064S	7XU131063S
CAPACITIES							
Cooling	Cooling capacity	kW	16.2	19.8	29.0	38.9	55.0
	Input power	kW	6.8	8.9	12.6	16.9	24.0
	EER		2.38	2.22	2.3	2.3	2.3
	Cooling circuit		1	1	1	2	2
INDOOR UNIT							
Ventilation	Available static pressure	Pa	300	200	200	250	290
	Nominal Airflow	m³/h	3200	4500	5800	9000	12000
	Airflow range (min/max)	m³/h	2500/3800	3600/5400	4600/7000	7200/10800	9500/14500
Sound Levels	Sound power level	dB(A)	68	75	81	77	85
Dimensions	WxHxD	mm	1000x1735x500	1300x1840x600	1530x1840x600	1715x1970x790	1980x1970x790
	Plenum height	mm	260	350	350	400	400
Weight	Unit weight	kg	182	265	350	525	600
OUTDOOR UNIT							
Condenser Unit			1	1	1	2	2
Ventilation	Nominal Airflow	m³/h	260	350	350	400	400
	Max. Airflow	m³/h	7600	8550	14000	8550	14000
Sound Levels	Sound power level	dB(A)	58	61	73	64	76
Dimensions	WxHxD	mm	885x840x825	1141x840x885	1546x840x885	1141x840x885	1546x840x885
Weight	Unit weight	kg	68	93	130	93	130
Power Supply	Power supply		400V/3P/50 Hz				
	Power supply side		Indoor				
Pipe Line	Suction pipe diameter	inches	1/2"	5/8"	3/4"	5/8"	3/4"
	Liquid pipe diameter	inches	3/8"	1/2"	5/8"	1/2"	5/8"
	Max length	m	45	45	45	45	45
ACCESSORIES							
Set of female valves	Code	7ACFH0055	7ACFH0056	7ACFH0061	7ACFH0057	7ACFH0060	
Pipe link - Length 10m	Code	7ACFH0211	7ACFH0212	7ACFH0213	7ACFH0214	7ACFH0215	
Electric heater	kW	12	18	22.5	37.5	45	
	Code	7ACEL0043	7ACEL0057	7ACEL0058	7ACEL0116	7ACEL0119	
Hot water coil	kW	29.7	38.5	50	77	94	
	Code	7ACFH0063	7ACFH0064	7ACFH0118	7ACFH0180	7ACFH0170	
ON/OFF switch and room thermostat	Code	7ACEL0041	7ACEL0032	7ACEL0032	7ACEL0032	7ACEL0032	
"High ventilation"	Code	7ACVF0024	-	-	-	-	
"All season" system	Code	7ACFH0070	7ACFH0104	7ACFH0072	7ACFH0071	7ACFH0146	
Remote fault reporting	Code		7ACEL0072	7ACEL0072	7ACEL0071	7ACEL0071	
Air distribution duct frame	Code	7ACVF0102	7ACVF0050	7ACVF0051	7ACVF0052	7ACVF0052	

AIRWELL SOLUTIONS





X WC I EC COMPLY 1

VERTICAL WATER CABINET COOLING ONLY

- q Cooling Capacity: from 11.7 to 45.7 kW
- q Refrigerant: R407C
- q Configuration: Monobloc system

PRODUCT ADVANTAGES

- Easy installation and maintenance.
- Monobloc system.
- Public or recycled water operation.
- Treated air distribution to premise by plenum or duct network.
- Adjustable available static pressure.
- Temperature control by thermostat.
- Electrical, refrigeration and thermal protection devices.

MAIN OPTIONS

- Room thermostat.
- Electric heater.
- Hot water heating coil.
- Remote fault reporting.
- Plenum.
- Duct flange.

OPERATING LIMIT FOR STANDARD UNIT

COOLING MODE	
Minimum air temperature	21°C DB/15°C WB
Maximum air temperature	32°C DB/23°C WB
Minimum water temperature	+10°C
Maximum water temperature	+30°C

X WC TECHNICAL DATA

X WC Model			AWAU-XWC1100V-C23	AWAU-XWC1900V-C23	AWAU-XWC2450V-C23	AWAU-XWC3250V-C23	AWAU-XWC4650V-C23
PRODUCT CODES							
400V/3P/50 Hz	With valve	Code	7XU012025	7XU012028	7XU012029	7XU012030	7XU012031
	Without valve	Code	-	-	7XU012047	7XU012048	7XU012064
CAPACITIES							
Cooling	Cooling capacity	kW	11.7	18.0	23.0	32.4	45.7
	Input power	kW	3.8	5.8	7.1	9.8	13.9
	EER		3.08	3.1	3.24	3.31	3.29
	Cooling circuit		1	1	1	1	2
VENTILATION							
Available static pressure		Pa	200	250	200	250	250
Nominal Airflow		m³/h	2000	3200	4500	5800	9000
Airflow range (min/max)		m³/h	1500/2500	2500/3800	3600/5400	4600/7000	7200/10800
HYDRAULIC							
Wasted water	Water flow	m³/h	0.58	0.92	1.45	2	2.8
	Pressure drop	kPa	22	18	42	40	18
Recycled water	Water flow	m³/h	2.1	3.4	4.3	5.8	8.3
	Pressure drop	kPa	50	70	60	40	56
SOUND LEVELS							
Sound power level		dB(A)	65	67	74	80	76
POWER SUPPLY							
Power supply			400V/3P/50 Hz				
DIMENSIONS							
WxHxD		mm	890x1540x430	1000x1735x500	1300x1840x600	1530x1840x600	1715x1970x790
Plenum height		mm	220	260	350	350	400
WEIGHT							
Unit weight		kg	151	199	305	380	565
ACCESSORIES							
Electric heater		kW	9	12	18	22.5	37.5
		Code	7ACEL0042	7ACEL0043	7ACEL0057	7ACEL0058	7ACEL0116
Hot water coil		kW	15.5	29.7	38.5	50	77
		Code	7ACFH0062	7ACFH0063	7ACFH0064	7ACFH0118	7ACFH0180
ON/OFF switch and room thermostat		Code	7ACEL0041	7ACEL0041	7ACEL0032	7ACEL0032	7ACEL0032
"High ventilation"		Code	7ACVF0023	7ACVF0024	-	-	-
Sum heating resistance		Code	7ACVF0029	included	-	-	-
Remote fault reporting		Code	-	-	7ACEL0072	7ACEL0072	7ACEL0071
Air distribution duct frame		Code	7ACVF0101	7ACVF0102	7ACVF0050	7ACVF0051	7ACVF0052
Total rear air intake duct frame		Code	7ACVF0041	7ACVF0104	-	-	-
Front air distribution plenum		Code	7ACVF0105	7ACVF0106	7ACVF0108	7ACVF0109	7ACVF0110
Fresh air supplied		Code	7ACVF0047	7ACVF0047	-	-	-

AIRWELL SOLUTIONS





HAN [EC COMPLY]

ROOFTOP UNIT COOLING AND HEATING MODE

- q Cooling Capacity: from 13 to 31 kW
- q Heating Capacity: from 12.1 to 30.5 kW
- q Refrigerant: R410A
- q Configuration: Compact monobloc system

PRODUCT ADVANTAGES

- Weather resistant casing with external panels and drain pan coated with powder-based epoxy paint colour RAL 9001.
- Base rail with forklift slots to facilitate transportation and handling.
- Technical compartment independent from airstreams allowing service works to be performed without disturbing the unit operation.
- High EER and environmentally friendly refrigerant R410A with zero ODP (Ozone Depleting Potential).
- High efficiency scroll compressor with crankcase heater.
- Condenser coils with hydrophilic coated fins to improve removal of water droplets during defrost cycles.
- Standard microprocessor-based control by CAC controller.

MAIN OPTIONS

- Factory-fitted low ambient temperature control to ensure cooling operation down to -10°C outdoor temperature (All-season).

MAIN ACCESSORIES

- Synthetic air filter.
- Electric heater.
- Programmable controller RCW2 to control up to 15 units with independent set points and programming.

OPERATING LIMIT FOR STANDARD UNIT

Cooling mode	
Minimum indoor air temperature	21°C DB/15°C WB
Maximum indoor air temperature	32°C DB/23°C WB
Minimum outdoor air temperature/with all-season kit	15°C DB/-10°C
Maximum outdoor air temperature	50°C DB
Heating mode	
Maximum indoor air temperature	27°C DB
Minimum outdoor air temperature	-10°C
Maximum outdoor air temperature	24°C (16°C for HAN 25)

HAN TECHNICAL DATA

HAN Model			HAN 13	HAN 15	HAN 17	HAN 19	HAN 25	HAN 31
PRODUCT CODES								
Standard		Code	7HL023002	7HL023003	7HL023004	7HL023005	7HL023006	7HL023007
With all season control		Code	7HL023009	7HL023010	7HL023011	7HL023012	7HL023013	7HL023014
CAPACITIES								
Cooling	Cooling capacity	kW	13.0	14.5	16.8	18.9	25.4	31.0
	Input power	kW	4.5	4.9	6.0	6.5	8.3	10.0
	EER		2.88	2.95	2.8	2.9	2.95	3.1
Heating	Heating capacity	kW	12.1	14.2	15.8	19.0	24.2	30.5
	Input power	kW	4.3	4.5	5.7	6.0	8.8	9.5
	COP		2.8	3.1	2.7	3.1	2.75	3.2
VENTILATION								
Available Static Pressure		Pa	100	170	160	210	240	250
Airflow	Indoor fan	m³/h	2640	2940	3190	3860	4780	5530
	Outdoor fan	m³/h	9000	9000	9000	9000	12000	12000
SOUND LEVELS								
Sound power level (Indoor)		dB(A)	79.3	79.3	79.3	83.1	84.9	86.4
Sound power level (Outdoor)		dB(A)	75.0	75.0	75.0	72.7	78.2	82.7
POWER SUPPLY								
Power supply			400V/3P/50 Hz					
DIMENSIONS								
WxHxD		mm	1320x1345x905	1320x1345x905	1320x1345x905	1320x1345x905	1420x1445x1320	1420x1445x1320
WEIGHT								
Unit weight		kg	219	223	223	243	320	343
ACCESSORIES								
Air filter		Code	7ACVF0481	7ACVF0481	7ACVF0481	7ACVF0481	7ACVF0482	7ACVF0482
Electric heater		kW	9	9	12	12	12	12
		Code	7ACEL1217	7ACEL1217	7ACEL1219	7ACEL1219	7ACEL1219	7ACEL1219
Remote control RCW2		Code	7ACEL1212	7ACEL1212	7ACEL1212	7ACEL1212	7ACEL1212	7ACEL1212

AIRWELL SOLUTIONS



VRF Range Outdoor units

[MODEL NAME]	Capacity HP	Power Supply	Page	CAPACITY (HP)	
				Cooling (kW)	Heating (kW)
MINI FLOW LOGIC II		6	3PH 400 V-N	130	
	 NEW	10	3PH 400 V-N	130	
FLOW LOGIC II	 NEW	10	3PH 400 V-N	134	
	 NEW	14	3PH 400 V-N	134	
	 NEW	16	3PH 400 V-N	134	

	6	10	14	16	20	24	26	28	30	32	34	36	38	40	42	46	48
	18.0	28.0	40.0	45.0	56.0	68.0	73.0	80.0	85.0	90.0	96.0	101.0	108.0	113.0	118.0	130.0	135.0
	20.0	31.5	45.0	50.0	63.0	76.5	81.5	87.5	95.0	100.0	108.0	113.0	119.0	126.5	131.5	145.0	150.0
x1																	
		x1															
		x1			x2	x1	x1				x2	x2	x1	x1	x1		
			x1			x1		x2	x1		x1		x2	x1		x1	
				x1			x1		x1	x2		x1		x1	x2	x2	x3

[MODEL NAME]			Page	CAPACITY (HP)	
				Cooling (kW)	Heating (kW)
HIGH WALL	HAV		150		
CASSETTE 600X600	CBV		151		
CASSETTE 900X900	CCV		152		
FLOOR CEILING	FAV		153		
DUCTED LSP	DAV		154		
DUCTED MSP	DBV		155		
DUCTED HSP	DCV		156		
CONSOLE	EAV		157		
HEAT RECOVERY UNIT DOUBLE FLUX EXCHANGER	HRV		158	M ³ /H	

7	9	12	16	18	24	28	30	38	48	72	96
2.2	2.8	3.6	4.5	5.6	7.1	8	9	11.2	14		
2.2	2.8	3.6	4.5	5.6	7.1	8	9	11.2	14		

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800	1000
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FlowLogic II, a high performance system for all those involved in the project

FlowLogic II is a range of variable refrigerant flow solutions for heating and air conditioning applications comprising of three innovative systems each utilising high performance R410A refrigerant.

This range is unmatched by anything on the market and can independently pilot **up to 64 indoor units**, giving a capacity of between 3 and 48HP (8 to 135 kW). The DC Inverter technology means that these systems achieve remarkable energy efficiency (**COP up to 4**) whilst offering ultra silent operation, and a compact footprint.

This range of products is adapted to numerous applications: residential, small businesses, major office complexes, shopping centers or hotels etc: and this is thanks to its numerous technical assets such as:

- A range of single and 3 phases units,
- Significant refrigerant pipe lengths and height differences,
- Minimum outdoor temperature for heating mode operation -15°C,
- Heating or cooling.

HIGH PERFORMANCE SYSTEM

- Owners or users benefit from a system which offers significant energy savings and has a direct impact on their fuel bills.
- The user benefits from a high performance system which guarantees optimal comfort all year round
- The installer benefits from the simplicity of the installation procedure
- The designer benefits from a number of tools (software and documents) which make it easier to calculate the dimensions of the system.

OPTIMAL ENERGY SAVINGS – GOOD FOR THE ENVIRONMENT

The energy efficiency of the FlowLogic II range is exceptional thanks to the use of DC Inverter compressors and the use of variable speed fan motors. Therefore for 1 kW of electricity used by the system, up to 4 kW of heat output is generated. As the units operate using R410A, the entire range of products contributes to the preservation of the environment (high performance “green” fluid, recyclable and harmless to the ozone layer, reduction in energy consumption) within the framework of the Renewable Energy plan.

SILENT OPERATION

The Twin Rotary and Scroll DC Inverter compressors are fitted across the entire FlowLogic II range producing a significant reduction in noise levels and vibrations that guarantees silent running.

A COMPLETE RANGE OF INDOOR UNITS AND CONTROL DEVICES

All indoor units and control devices are the same across the two systems of the Airwell Mini FlowLogic II and FlowLogic II range.



CASSETTE 600x600
CBV



CASSETTE 900x900
CCV



FLOOR CEILING
FAV



CONSOLE
EAV



HIGH WALL
HAV



DUCTED MEDIUM STATIC
PRESSURE DBV



DUCTED LOW STATIC
PRESSURE DAV



DUCTED HIGH STATIC
PRESSURE DCV



HEAT RECOVERY
UNIT DOUBLE FLUX
EXCHANGER HRV

XXXXXXXXXXXXX)

XXXXXXXXXXXXX

XXXXXXXXXXXXX



MINI FLOWLOGIC II [EC COMPLY]

2-WAY

Three phase outdoor unit, 6 HP and 10 HP class, designed for residential use or for light commercial use.

PRODUCT ADVANTAGES

- COP can reach 4.1
- Up to 9 units can be connected
- Single phase electrics
- Compact (0.32 m² footprint)
- Minimum outdoor temperature for heating mode operation -15°C
- Minimum outdoor temperature for cooling mode operation -5°C
- DC Inverter compressor and ventilator
- Refrigerant tubing lengths of up to 150 m

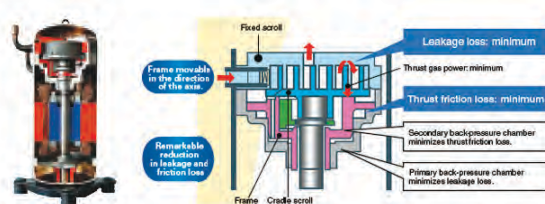


DC FAN MOTOR

DC fan motor speed can be adjusted from 0~1000 r/min, it can improve the unit efficiency, at the same time, the unit can realize low ambient cooling operation.

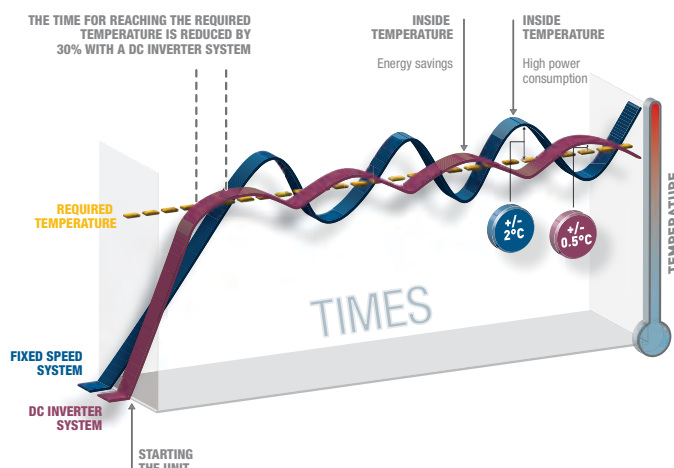
HIGHLY EFFICIENT DC SCROLL COMPRESSOR (YCV 180)

The highly efficient scroll compressor is equipped with a "Flexible Mechanism" that allows movement in the axial direction of the frame supporting the cradle scroll. This greatly reduces both leakage and friction loss, ensuring very high efficiency throughout the speed range.



DC INVERTER TECHNOLOGY

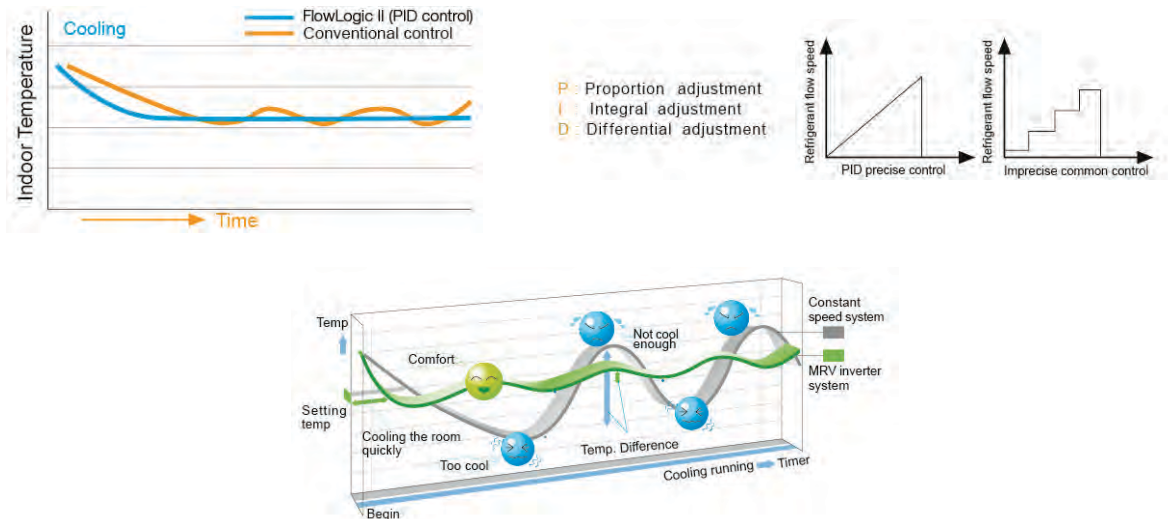
DC Inverter motor. High efficiency.
Low vibration, low noise. High reliability.



PRECISE CONTROL

PID CONTROL

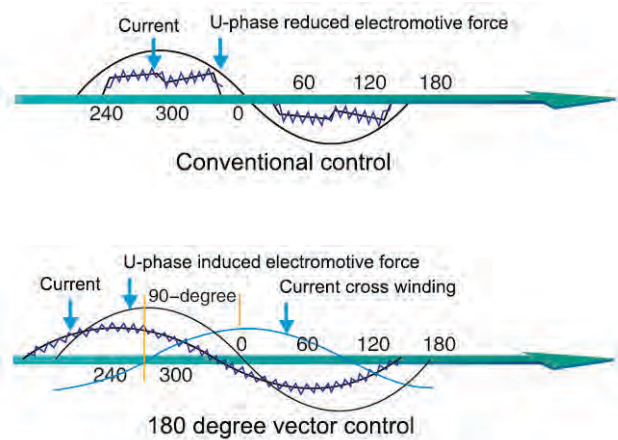
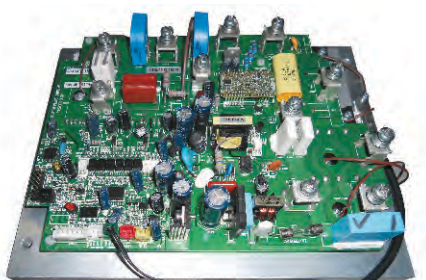
PID control adjusts the output of compressor and the open degree of EEV, balances the indoor refrigerant flow, realizes the linear output, creates a comfortable environment. The temperature could be control precisely.



180 DEGREE VECTOR CONTROL TECHNOLOGY

FEATURES

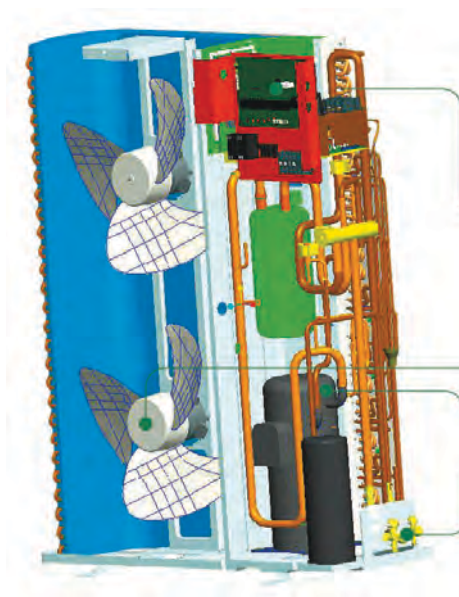
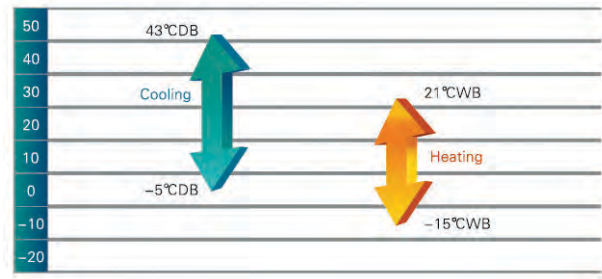
Airwell using power resistance to detect the rotor position of compressor, results in the consistency of the compressor working current and Current Sine waves, improve power efficiency about 17%.



OPERATION RANGE

Mini FlowLogic II series permits a system design considering a heating range operation under a low temperature condition from -15°C of previous model and a cooling range operation -5°C .

For the capacities under low temperature conditions, please see technical data sheets.



CONTROL AND SAFETY

- Control compressor running frequency by temp. Sensor, more precise and prompt than conventional control system.
- Protections: pressure, temp., compressor, fan motor, refrigerant, oil quantity etc. Realize perfect performance.
- Malfunction self-diagnose.
- DC fan motor (YCV 180).
- DC Inverter compressor, high efficiency.
- Single set valve, easy to installation and save installation time.

MINI FLOWLOGIC II TECHNICAL DATA

Outdoor units		AWAU-YCV180-H13	AWAU-YCVFD280-H13
Code		7SP14H009	7SP14H011
CAPACITY			
Cooling	kW	18	28
Heating	kW	20	31.5
ELECTRICAL PARAMETERS			
Power supply	Ph/V/Hz	3/380~400/50-N	3/380~400/50-N
Cooling Input power	kW	5.5	8
Heating Input power	kW	5.25	7.5
EER/COP		3.27/3.8	3.5/4.2
PERFORMANCE			
Airflow (HS)	m³/h	6500	10000
Noise level (HS)	dB(A)	60	58
INSTALLATION			
External dimensions (WxHxD)	mm	948x1250x340	1050x1636x400
Shipping dimensions (WxHxD)	mm	1094x1400x410	1150x1790x510
Net/Shipping weight	kg	130/140	168/183
Compressor type		Rotary	Rotary + Rotary
Refrigerant type		R410A	R410A
Refrigerant charge	kg	-	7.4
Refrigerant liquid pipe	inches	3/8"	12,7
Refrigerant gas pipe	inches	3/4"	22,22
Max pipe length	m	100	300
Max drop between indoor & outdoor*	m	30/20	50
Maximum indoor units connectable	quantity	9	16
WORKING TEMPERATURE			
Cooling	°C	-5~43	-5~43
Heating	°C	-15~21	-15~21

* 30 m if the outdoor unit is above indoor unit, 20 m if the outdoor unit is below indoor unit.

AIRWELL SOLUTIONS





FLOWLOGIC II [EC COMPLY]

2-WAY



Composed of DC Inverter models 10, 14 & 16 HP, this new generation of units enables a capacity range from 10 to 48 HP to be covered by combining up to 3 units. This range offers noise pressure levels that vary between 55 and 66 dB(A) without a silent mode, making these units the quietest on the market.



PRODUCT ADVANTAGES

- The whole range is DC Inverter
- Capacity range from 10 to 48 HP
- COP average of 3.9
- COP can reach 4.1, which is a 15% COP increase in relation to the previous range
- 12% increase in EER in relation to the previous range
- 40 indoor units connectable from 24HP to only 2 outdoor units
- Minimum outdoor temperature of heating mode operation -20°C
- DC Inverter fan
- Noise levels: 51.5 dB(A)
- Power ratio 130%
- Indoor units identical to the Mini FlowLogic R410A range
- Control device identical to the Mini FlowLogic R410A range
- Unit dimensions optimised
- De-icing between outdoor units
- Lead lag operation to maintain equal operating time
- Total connection length 300 metres
- Wide range of control systems (wireless control devices, touch screen central controller, GTC gateway)

Efficiency

DC INVERTER COMPRESSOR HIGH EFFICIENCY



Use high efficiency DC Inverter scroll or rotary compressor, high efficiency, low noise.

Note: not only use DC Inverter compressor, some models also use fix speed compressor, pls. refer to the service manual details.

DC FAN MOTOR

The speed of the wide range DC fan motor can be adjusted from 0 to 1000 r/min.



Compared to conventional AC motors, a DC fan motor offers greater operating efficiency, especially during low-speed rotation. The efficiency could be 90%.

EFFICIENT STRUCTURE

q New big diameter "aviation" fan

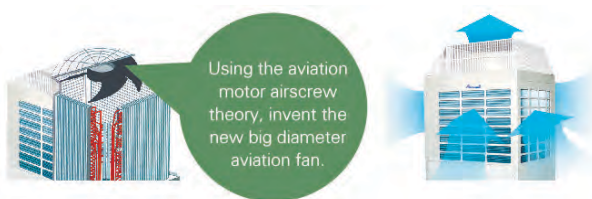
This new fan could reduce air loss, air resistance and noise, increase heat exchange efficiency.

q 4-way air return heat exchanger technology

The 4-way air return.

The compressor and condenser are placed in separated compartments.

This structure of outdoor unit can realize lower air resistance, higher heat efficiency and lower noise level.



STATIC PRESSURE

q Up to 80 Pa.

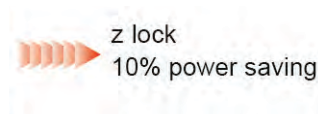


ENERGY SAVE LOCK FUNCTION

q 26°C in cooling mode, 20°C in heating mode, lock function, save operation cost.

Setting temperature fixed to 26°C, the air conditioner operation cost can reduce 10%.

At the same time, the 26°C is healthy to the human body.

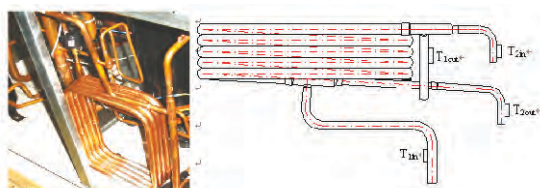


EFFICIENT PARTS

SUB-COOLING CIRCUIT

Sub-cooling circuit utilizes little refrigerant to cool most of refrigerant in system, and makes it a further cooling, improves sub-cooling degree of refrigerant, in can avoid energy loss due to refrigerant flash evaporating when it goes through PMV.

It will increase cooling capacity by 6%, reduce refrigerant circulation amounts, so that it can increase the efficiency of system.



EFFICIENT EXCHANGER

W-model Ø8 inner grooved tube.

Hydrophylic aluminium coil fin.

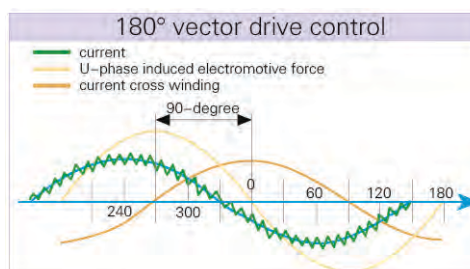
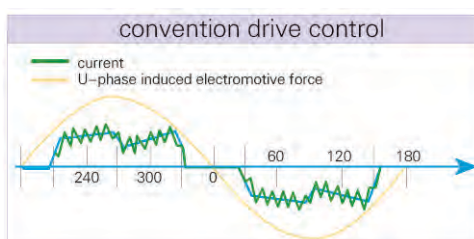
It will increase efficiency of heat exchange by 5%.



ADVANCE CONTROL TECHNOLOGY

180° VECTOR DRIVE CONTROL TECHNOLOGY

Using the power resistance to detect the position of rotor in compressor, so that the operation current of compressor close to sine wave easily.



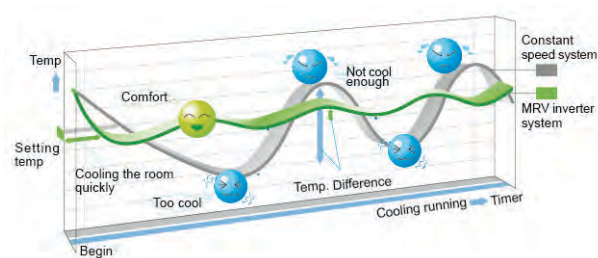
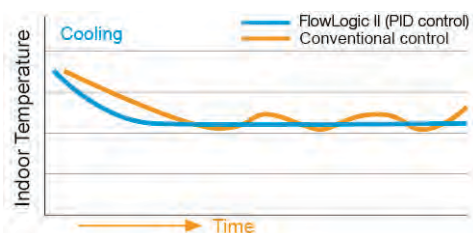
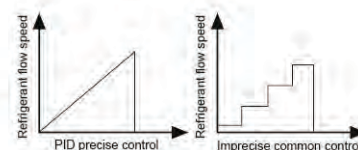
Comfort

PRECISE CONTROL

PID CONTROL

PID control adjusts the output of compressor and the open degree of EEV, balances the indoor refrigerant flow, realizes the linear output, creates a comfortable environment. The temperature could be control precisely.

P: Proportion adjustment
I: Integral adjustment
D: Differential adjustment



Control

REMOTE CONTROL

VARIABLE CONTROL MODE



RCV01

Wireless remote controller (standard for wall mounted and console type).

q Realize standard control function.



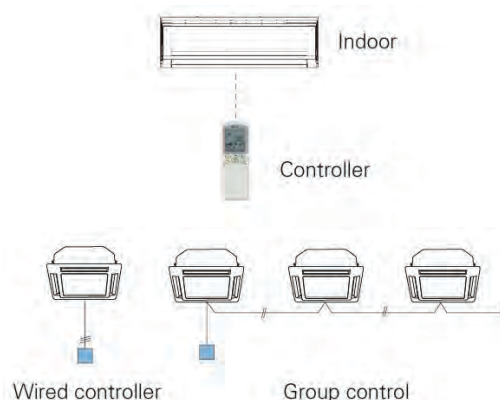
RWV01

Wired and group controller (standard for cassette, convertible and duct type).

q Max 16 indoor units (all the indoor units work in the same mode).

q Realize master & slave control using 2 controller.

q Set ON/OFF time.



SIMPLE CONTROLLER (OPTIONAL)



RWV03

q Max 16 indoor units (all the indoor units work in the same mode).

q Set ON/OFF time.

q Mode selection: cool/heat/fan.

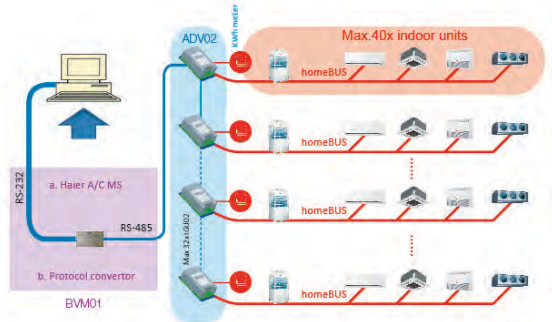
q Temperature setting.

q Failure code display.

BMS CONTROL

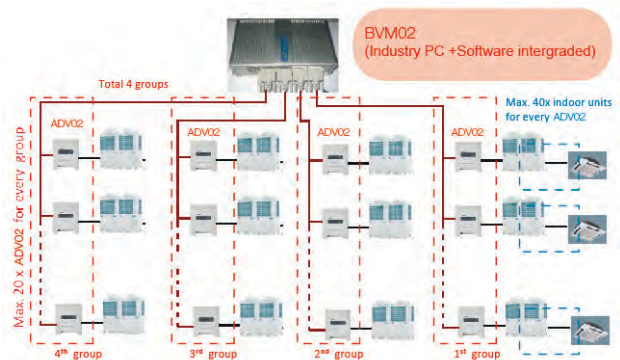
BVM01 Simple Airwell A/C management system

- q RS-485 communication length is max 1000m.
- q Total connected indoor units quantity is limited 400.
- q Energy pulse meter is optional.



BVM02 Network Airwell A/C management system

- q Total actual connected indoor units quantity is max 1000.
- q Internet remote control.
- q Separate purchase parts by dealers/customers:
 - computer display;
 - energy pulse meter and printer if calculating the power consumption requested.
- q Interface: BACnet and modbus.



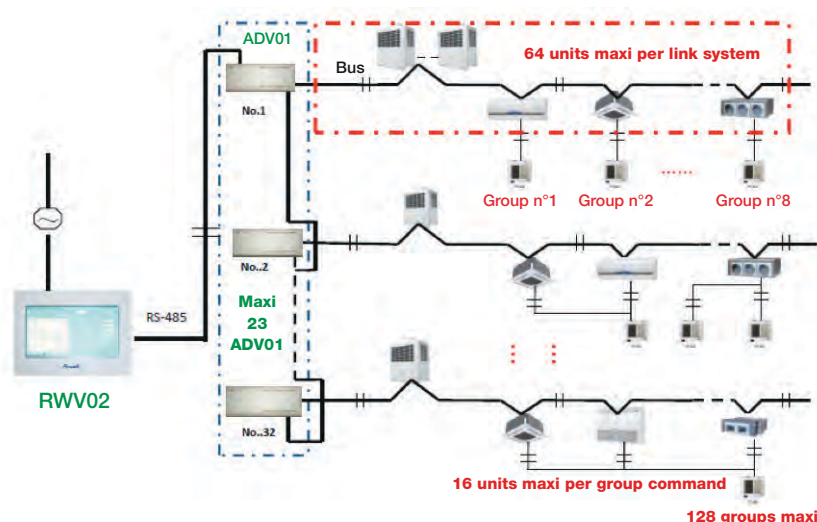
CONTROL TECHNOLOGY



RWV02

CENTRAL CONTROLLER (OPTIONAL)

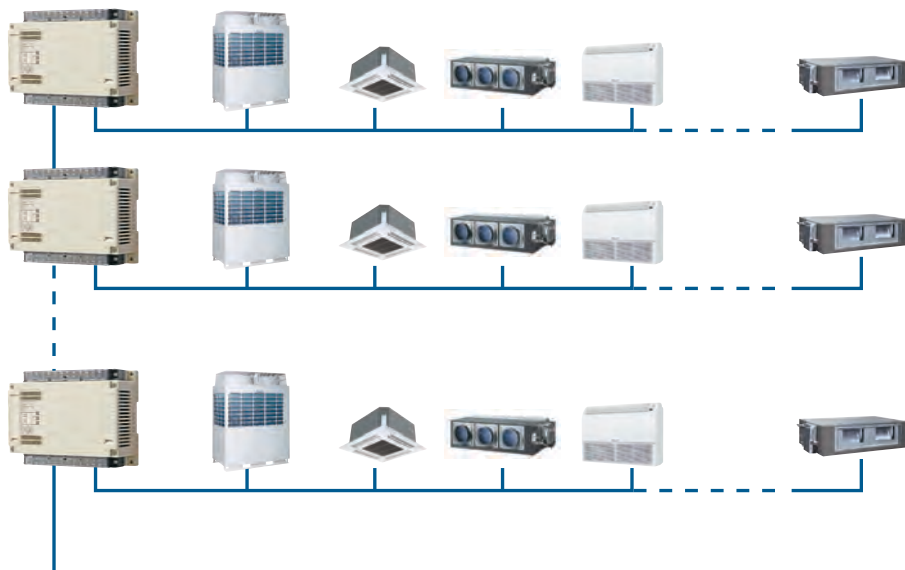
- q Touch screen.
- q Max RS-485 communication wire length is 1000m.
- q Max connectable indoor units groups quantity is 128.
- q Weekly timer function included.
- q Zones creation.
- q Central control mode.



MODBUS RTU



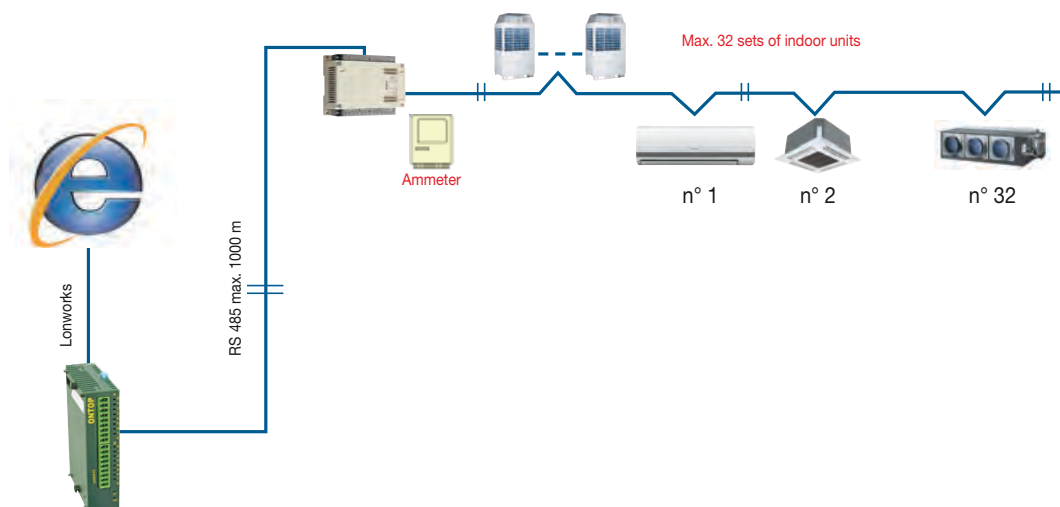
- q Connect the outdoor unit to change the homebus protocol to Modbus protocol
- q And then match with the ADV04 to realize the lonworks gateway function



LONWORKS PROTOCOL GATEWAY



- q Every outdoor system adopt one ADV04 + ADV03
- q In one system, total connected indoor units quantity is max. 32
- q The ADV04 need connect external 24V DC power supply

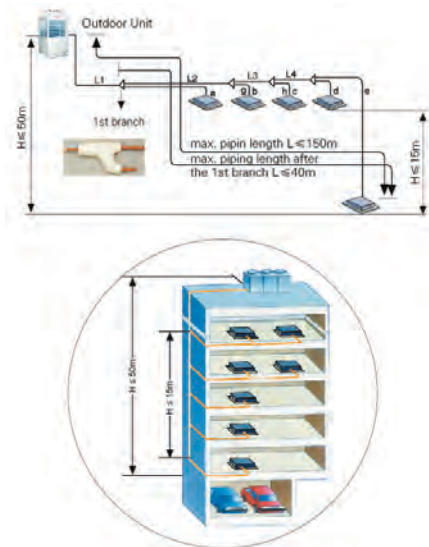


Installation

FLEXIBLE INSTALLATION

LONG PIPING LENGTH & LARGE DROP

- q Total refrigerant piping length.
- q Max 300m refrigerant piping length.
- q Max 50m height drop between indoor and outdoor units (outdoor unit above, 40m if outdoor unit below).
- q Max 15m height drop between indoor units.



EASY TRANSPORTATION

MODULARIZED DESIGN

The outdoor units' space only occupies 0.74m² and 1.04m², it can transport with elevators, save lots of transport cost and time.

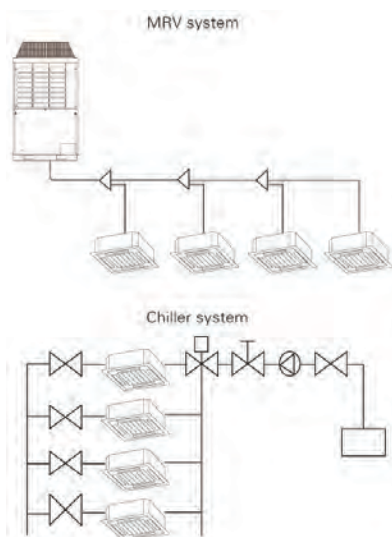
The outdoor units can installed in different floors, save the whole system test time.



EASY INSTALLATION

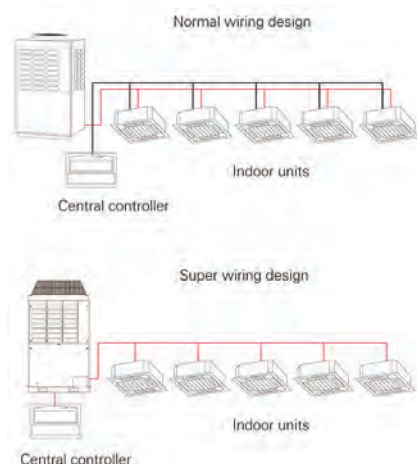
CONCISE SYSTEM

Comparing with chiller system, without filter, stop valves, accessory, FlowLogic II units refrigerant piping greatly reduce the system installation work and save a lot of protection & clean work.



WIRING SYSTEM

A wiring system is used to enable shared use of the wiring between indoor & outdoor units and the central control wiring, with a simple wiring operation. The only work you need to do is to connect the central controller to the outdoor unit directly if central controller is adopted.



Reliability

ADVANCED TECHNOLOGY

HIGH QUALITY DC INVERTER COMPRESSOR

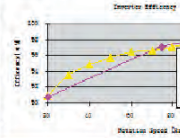
The highly efficient scroll compressor is equipped with a "frame compliance mechanism" that allows movement in the axial direction of the frame supporting the cradle scroll. This greatly reduces both leakage and friction loss, ensuring very high efficiency throughout the speed range.



HIGH QUALITY INVERTER MODULE

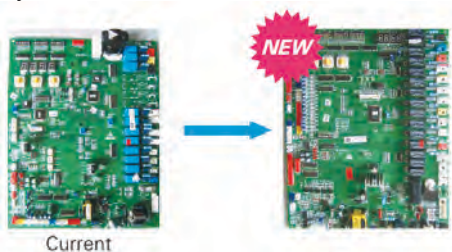
Inverter module imported from Japan, design and evaluate according to Japanese standard (7 items, 45 specifications).

30	93.48	(20.37/6.33)	75	97.03	27
40	94.85	(21.25/6.8)	85	97.44	30
50	95.79	(21.86/6.26)	115	97.78	34
60	96.49	(24.06/7.29)			
70	96.69	(24.42/6.8)			
80	97.11	(25.03/6.09)			
90	97.48	(25.84/6.59)			
100	97.59	(26.11/6.87)			
110	97.80	(25.94/6.04)			
120	97.84	(27.64/8.84)			



MORE RELIABLE OUTDOOR PCB

All the hardware evaluated by the expert. Part design according to Japanese design standard. Improve the process, adopt the advanced method, painted with insulation paint, and tested at high ambient temperature to make sure good quality.



DUTY CYCLING

DUTY CYCLING OF OUTDOOR UNITS

The outdoor units make no difference between primary unit and secondary unit. For the system which consists of more than one unit, the operating turns of units will be changed every 8 hours.

Duty cycling of outdoor units could balance the operation hours and life of each outdoor unit in order to prolong the system's life.



RELIABLE OPERATION

BACKUP OPERATION

If one outdoor unit malfunction happens the other units provide emergent operation until repair achieved. In one module system, also can realize backup operation when fix speed compressor error happens. The backup operation could avoid the system close down due to one unit going wrong, it is quite reliable to use.

1 outdoor unit: 2 sets compressor system

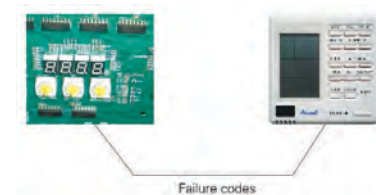
Comp.	Inv.	Fix.	Capacity
Inverter Alarm	Malfunction	Stop	0%
Fixed alarm	Operation	Malfunction	67%

3 outdoor units: 36HP

Comp.	Module 1	Module 2	Module 3	Capacity
Inverter Alarm	Malfunction	Stop	Operation	33% or 67%
Fixed alarm	Operation	Malfunction	Operation	80%

AUTO CHECKING MALFUNCTION

Failure codes displayed by LED by 4x7 segments display in outdoor PCB or controllers are so detailed for us to find the fail place more quickly, and can judge the failure content easily.



RELIABLE TEST

TEST IN THE DEVELOPMENT PHASE

- q Capability and safety test
- q 500 hours salt spray test
- q 6 hours rain test
- q 130% over-match test
- q 300m pipe length & 50m drop test
- q EMC test

TEST DURING MANUFACTURING

- q Manufacture test
- q Parts test/Leak test/Operation test/Safety test
- q Outgoing test
- q Visual test/Function test/Capacity test/Acoustic test
- q Accessories test



Airwell products



Climate simulating lab



Quality EMC lab



Auto-test line



Enthalpy difference testing lab



Noise testing lab



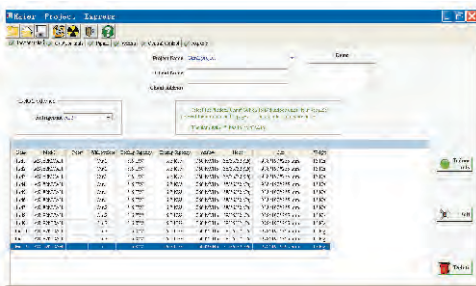
Center control



Helium leak test

Support

SOFTWARE SELECTION PROGRAM



This software supply a solution of piping & wiring design, can help the designer select the right material lists, basic wiring diagram and control wiring diagram etc.

Airwell also offers a computer selection program for defining size, piping, wiring diagram, and list of material (this software is only a tool to assist with decision making) and the results of it is directly dependant of the input data from the customer, so these data are provided for information purpose only and should not replace a study carried out by an approval filter.

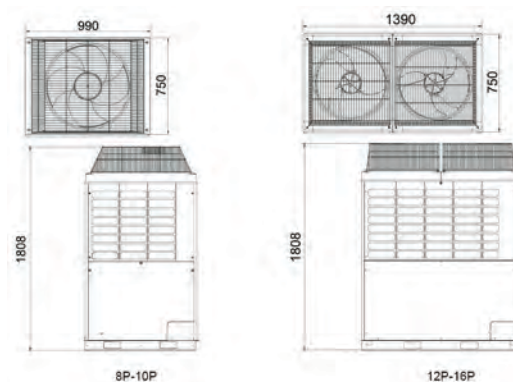
FLOWLOGIC II TECHNICAL DATA FOR 10, 14 AND 16 HP

Model			AWAU-YCV280-H13	AWAU-YCV400-H13	AWAU-YCV450-H13
Code			7SP14H002	7SP14H004	7SP14H005
CAPACITY					
Cooling		kW	28	40	45
Heating		kW	31.5	45	50
ELECTRICAL PARAMETERS					
Power supply			Ph/V/Hz	3/380~400/50-N	3/380~400/50-N
Input power	Cooling	Rated/Max current	A	11.1/23.4	3/4"/28.5
		Rated/Max Input power	kW	7.36/14.7	11.4/17.9
	Heating	Rated/Max current	A	12.5/19	17.96/24.9
		Rated/Max Input power	kW	7.97/11.9	11.6/15.6
PERFORMANCE					
Airflow (HS)		m3/h	11100	14100	14100
Noise level (HS)		dB(A)	57	60	60
INSTALLATION					
External dimensions (WxDxH)		mm	990x750x1808	1390x750x1808	1390x750x1808
Shipping dimensions (WxDxH)		mm	1090x860x1990	1490x860x1990	1490x890x1990
Net/Shipping weight		kg	240/255	360/378	368/386
Compressor type			Scroll or Rotary	Scroll or Rotary	Scroll or Rotary
Refrigerant type			R410A	R410A	R410A
Refrigerant charge		kg	11	12	14.5
Refrigerant liquid pipe		inches	3/8"	1/2"	1/2"
Refrigerant gas pipe		inches	7/8"	1"	1"1/8
Oil equalization pipe		inches	3/8"	3/8"	3/8"
Environment temperature range	Cooling	°C	-5~43	-5~43	-5~43
	Heating	°C	-15~21	-15~21	-15~21
Maximum indoor units connectable		quantity	16	16	26

AIRWELL SOLUTIONS



DIMENSIONS



TECHNICAL DATA FOR 10-10 COMBINATION

Model			YCV 560	
Combination Model/Code			YCV 280/7SP14H002	
			YCV 280/7SP14H002	
				
CAPACITY				
Cooling			kW	56
Heating			kW	63
ELECTRICAL PARAMETERS				
Power supply			Ph/V/Hz	3/380~400/50-N
Input power	Cooling	Rated/Max current	A	22.2/46.8
		Rated/Max Input power	kW	14.72/29.4
	Heating	Rated/Max current	A	25/28
		Rated/Max Input power	kW	15.94/23.8
PERFORMANCE				
Airflow (HS)			m³/h	22200
Noise level (HS)			dB(A)	60
INSTALLATION				
External dimensions (WxDxH)			mm	950x750x1808 + 990x750x1808
Shipping dimensions (WxDxH)			mm	1090x860x1990 + 1090x860x1990
Net/Shipping weight			kg	480/510
Compressor type				Scroll or Rotary
Refrigerant type				R410A
Refrigerant charge			kg	22
Refrigerant liquid pipe			inches	5/8"
Refrigerant gas pipe			inches	1"1/8
Oil equalization pipe			inches	3/8"
Environment temperature range	Cooling		°C	-5~43
	Heating		°C	-15~21
Maximum indoor units connectable			quantity	33

AIRWELL SOLUTIONS



TECHNICAL DATA FOR 10-14 COMBINATION

Model			YCV 680		
Combination Model/Code			YCV 280/7SP14H002		
			YCV 400/7SP14H004		
					
CAPACITY					
Cooling			kW	68	
Heating			kW	76.5	
ELECTRICAL PARAMETERS					
Power supply			Ph/V/Hz	3/380~400/50-N	
Input power (A)	Cooling	Rated/Max current		30.15/51.9	
		Rated/Max Input power		18.76/32.6	
	Heating	Rated/Max current		30.46/43.9	
		Rated/Max Input power		19.57/27.5	
PERFORMANCE					
Airflow (HS)			m³/h	25200	
Noise level (HS)			dB(A)	61	
INSTALLATION					
External dimensions (WxDxH)			mm	950x750x1808 + 1390x750x1808	
Shipping dimensions (WxDxH)			mm	1090x860x1990 + 1490x860x1990	
Net/Shipping weight			kg	600/633	
Compressor type				Scroll or Rotary	
Refrigerant type				R410A	
Refrigerant charge			kg	23	
Refrigerant liquid pipe			inches	5/8"	
Refrigerant gas pipe			inches	1"1/8	
Oil equalization pipe			inches	3/8"	
Environment temperature range	Cooling		°C	-5~43	
	Heating		°C	-15~21	
Maximum indoor units connectable			quantity	39	

AIRWELL SOLUTIONS



TECHNICAL DATA FOR 10-16, 14-14 & 14-16 COMBINATIONS

Model			YCV 730	YCV 800	YCV 850	
Combination Model/Code			YCV 280/7SP14H002	YCV 400/7SP14H004	YCV 400/7SP14H004	
			YCV 450/7SP14H005	YCV 400/7SP14H004	YCV 450/7SP14H005	
						
CAPACITY						
Cooling			kW	73	78.5	85
Heating			kW	81.5	87.5	95
ELECTRICAL PARAMETERS						
Power supply			Ph/V/Hz	3/380~400/50-N	3/380~400/50-N	3/380~400/50-N
Input power (A)	Cooling	Rated/Max current		31.4/55	34.5/56.3	39.35/60.1
		Rated/Max Input power		20.76/34.69	23.4/35.49	24.8/37.89
	Heating	Rated/Max current		1"1/4/46.3	34.4/49	37.26/52.2
		Rated/Max Input power		21.47/29	23.5/30.7	25.1/32.7
PERFORMANCE						
Airflow (HS)			m³/h	25200	28200	28200
Noise level (HS)			dB(A)	61	62	62
INSTALLATION						
External dimensions (WxDxH)			mm	950x750x1808 + 1390x750x1808	1390x750x1808 + 1390x750x1808	1390x750x1808 + 1390x750x1808
Shipping dimensions (WxDxH)			mm	1090x860x1990 + 1490x860x1990	1490x860x1990 + 1490x860x1990	1490x860x1990 + 1490x860x1990
Net/Shipping weight			kg	608/641	728/756	728/764
Compressor type				Scroll or Rotary	Scroll or Rotary	Scroll or Rotary
Refrigerant type				R410A	R410A	R410A
Refrigerant charge			kg	25.5	26.5	26.5
Refrigerant liquid pipe			inches	3/4"	3/4"	3/4"
Refrigerant gas pipe			inches	1"1/4	1"1/4	1"1/4
Oil equalization pipe			inches	3/8"	3/8"	3/8"
Environment temperature range	Cooling	°C	-5~43	-5~43	-5~43	
	Heating	°C	-15~21	-15~21	-15~21	
Maximum indoor units connectable			quantity	43	46	50

AIRWELL SOLUTIONS



TECHNICAL DATA FOR 16-16, 10-10-14 & 10-10-16 COMBINATIONS

Model			YCV 900	YCV 960	YCV 1010	
Combination Model/Code			YCV 450/7SP14H005	YCV 280/7SP14H002	YCV 280/7SP14H002	
			YCV 450/7SP14H005	YCV 280/7SP14H002	YCV 280/7SP14H002	
			-	YCV 400/7SP14H004	YCV 450/7SP14H005	
						
CAPACITY						
Cooling			kW	90	96	101
Heating			kW	100	108	113
ELECTRICAL PARAMETERS						
Power supply			Ph/V/Hz	3/380~400/50-N	3/380~400/50-N	3/380~400/50-N
Input power (A)	Cooling	Rated/Max current		40.6/63.2	41.25/75.3	42.5/78.4
		Rated/Max Input power		26.8/39.98	26.12/47.3	28.12/49.39
	Heating	Rated/Max current		38.6/54.6	42.96/62.9	44.3/65.3
		Rated/Max Input power		27/34.2	27.54/39.4	29.4/40.9
PERFORMANCE						
Airflow (HS)			m³/h	28200	36300	36300
Noise level (HS)			dB(A)	62	63	63
INSTALLATION						
External dimensions (WxDxH)			mm	1390x750x1808 + 1390x750x1808	950x750x1808 + 950x750x1808 + 1390x750x1808	950x750x1808 + 950x750x1808 + 1390x750x1808
Shipping dimensions (WxDxH)			mm	1490x860x1990 + 1490x860x1990	1090x860x1990 + 1090x860x1990 + 1490x860x1990	1090x860x1990 + 1090x860x1990 + 1490x860x1990
Net/Shipping weight			kg	736/772	840/888	848/896
Compressor type				Scroll or Rotary	Scroll or Rotary	Scroll or Rotary
Refrigerant type				R410A	R410A	R410A
Refrigerant charge			kg	29	34	36.5
Refrigerant liquid pipe			inches	3/4"	3/4"	3/4"
Refrigerant gas pipe			inches	1"1/4	1"1/4	1"1/2
Oil equalization pipe			inches	3/8"	3/8"	3/8"
Environment temperature range	Cooling	°C	-5~43	-5~43	-5~43	
	Heating	°C	-15~21	-15~21	-15~21	
Maximum indoor units connectable			quantity	53	56	59

AIRWELL SOLUTIONS



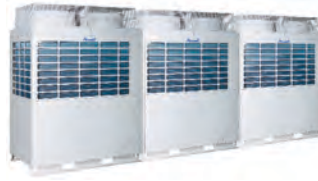
TECHNICAL DATA FOR 10-14-14, 10-14-16 & 10-16-16 COMBINATIONS

Model			YCV 1080	YCV 1130	YCV 1180	
Combination Model/Code			YCV 280/7SP14H002	YCV 280/7SP14H002	YCV 280/7SP14H002	
			YCV 400/7SP14H004	YCV 400/7SP14H004	YCV 450/7SP14H005	
			YCV 400/7SP14H004	YCV 450/7SP14H005	YCV 450/7SP14H005	
						
CAPACITY						
Cooling			kW	106.5	113	118
Heating			kW	119	126.5	131.5
ELECTRICAL PARAMETERS						
Power supply			Ph/V/Hz	3/380~400/50-N	3/380~400/50-N	3/380~400/50-N
Input power (A)	Cooling	Rated/Max current		45.6/79.7	50.45/83.5	51.7/86.6
		Rated/Max Input power		30.76/50.19	32.16/52.69	34.16/54.68
	Heating	Rated/Max current		46.9/68	49.76/71.2	51.1/73.6
		Rated/Max Input power		31.47/42.6	33.07/44.6	34.97/46.1
PERFORMANCE						
Airflow (HS)			m³/h	39300	39300	39300
Noise level (HS)			dB(A)	63	63	63
INSTALLATION						
External dimensions (WxDxH)			mm	950x750x1808 + 1390x750x1808 + 1390x750x1808	950x750x1808 + 1390x750x1808 + 1390x750x1808	950x750x1808 + 1390x750x1808 + 1390x750x1808
Shipping dimensions (WxDxH)			mm	1090x860x1990 + 1490x860x1990 + 1490x860x1990	1090x860x1990 + 1490x860x1990 + 1490x860x1990	1090x860x1990 + 1490x860x1990 + 1490x860x1990
Net/Shipping weight			kg	968/1011	968/1019	976/1027
Compressor type				Scroll or Rotary	Scroll or Rotary	Scroll or Rotary
Refrigerant type				R410A	R410A	R410A
Refrigerant charge			kg	37.5	37.5	40
Refrigerant liquid pipe			inches	3/4"	3/4"	3/4"
Refrigerant gas pipe			inches	1"1/2	1"1/2	1"1/2
Oil equalization pipe			inches	3/8"	3/8"	3/8"
Environment temperature range	Cooling	°C	-5~43	-5~43	-5~43	
	Heating	°C	-15~21	-15~21	-15~21	
Maximum indoor units connectable			quantity	63	64	64

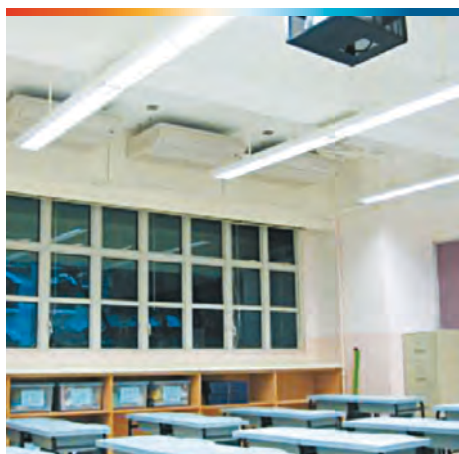
AIRWELL SOLUTIONS



TECHNICAL DATA FOR 14-16-16 & 16-16-16 COMBINATIONS

Model			YCV 1300	YCV 1350	
Combination Model/Code			YCV 400/7SP14H004	YCV 450/7SP14H005	
			YCV 450/7SP14H005	YCV 450/7SP14H005	
			YCV 450/7SP14H005	YCV 450/7SP14H005	
					
CAPACITY					
Cooling			kW	130	135
Heating			kW	145	150
ELECTRICAL PARAMETERS					
Power supply			Ph/V/Hz	3/380~400/50-N	3/380~400/50-N
Input power (A)	Cooling	Rated/Max current		59.65/91.7	60.9/94.8
		Rated/Max Input power		38.2/57.88	40.2/59.97
	Heating	Rated/Max current		56.56/79.5	57.9/81.9
		Rated/Max Input power		38.6/49.8	40.5/51.3
PERFORMANCE					
Airflow (HS)			m³/h	42300	42300
Noise level (HS)			dB(A)	64	64
INSTALLATION					
External dimensions (WxDxH)			mm	1390x750x1808 + 1390x750x1808 + 1390x750x1808	1390x750x1808 + 1390x750x1808 + 1390x750x1808
Shipping dimensions (WxDxH)			mm	1490x860x1990 + 1490x860x1990 + 1490x860x1990	1490x860x1990 + 1490x860x1990 + 1490x860x1990
Net/Shipping weight			kg	1096/1150	1104/1158
Compressor type				Scroll or Rotary	Scroll or Rotary
Refrigerant type				R410A	R410A
Refrigerant charge			kg	41	43.5
Refrigerant liquid pipe			inches	3/4"	3/4"
Refrigerant gas pipe			inches	1"1/2	1"1/2
Oil equalization pipe			inches	3/8"	3/8"
Environment temperature range	Cooling		°C	-5~43	-5~43
	Heating		°C	-15~21	-15~21
Maximum indoor units connectable			quantity	64	64

AIRWELL SOLUTIONS





HAVER [EC COMPLY]

HIGH WALL

- q EEV inside put: The EEV box inside put, easy for installation.
- q High-quality DC fan motor: Reduce the indoor unit noise greatly.
- q New fashion design
- q Infrared remote controller included on standard.

RCV01
(STD)RWW01
(optional)RWW03
(optional)RWW04
(optional)

HAVER TECHNICAL DATA

Indoor units		AWSI-HAV007-N11	AWSI-HAV009-N11	AWSI-HAV012-N11	AWSI-HAV018-N11	AWSI-HAV024-N11
Code		7SP02H001	7SP02H002	7SP02H003	7SP02H005	7SP02H006
CAPACITY						
Cooling	kBtu/H	7.5	9.5	12.3	19.1	24.2
	kW	2.2	2.8	3.6	5.6	7.1
Heating	kBtu/H	8.5	10.9	13.6	21.5	27.3
	kW	2.5	3.2	4	6.3	8
ELECTRICAL PARAMETERS						
Power supply	Ph/V/Hz	1/220~230/50	1/220~230/50	1/220~230/50	1/220~230/50	1/220~230/50
PERFORMANCE						
Airflow	m³/h	600	600	600	800	1000
Noise level (LS/MS/HS)	dB(A)	31/33/37	31/34/37	33/36/41	34/39/43	38/42/47
INSTALLATION						
External dimensions (WxHxD)	mm	938x265x187	938x265x187	938x265x187	1046x299x234	1046x299x234
Shipping dimensions (WxHxD)	mm	1016x360x304	1016x360x304	1016x360x304	1126x388x344	1126x388x344
Net/Shipping weight	kg	10.9/12.6	10.9/12.6	10.9/12.6	13/16.5	13/16.5
Refrigerant liquid pipe	inches	1/4"	1/4"	1/4"	3/8"	3/8"
Refrigerant gas pipe	inches	1/2"	1/2"	1/2"	5/8"	5/8"

Please contact Airwell before ordering unit with wired control application option.

AIRWELL SOLUTIONS



Dimensions: 007-009-012 models



Dimensions: 018-024 models





CBV [EC COMPLY] CASSETTE 600x600

- q New particular design
- q Quiet operation
- q Built-in high head drain pump
- q Fresh air inlet
- q Wired controller RWV01 included on standard
- q EEV inside

PRODUCT ADVANTAGES

- The cassette external dimension is 570x570x260mm for easy installation. It is universal and harmony with standard ceiling 600x600mm. There is no breakage for ceiling during installation.
- Airflow pass through the outlet smoothly and fluently owing to the streamline air outlet. Bring you a much more quiet space. The fan blade adopts the design of irregular helix. The indoor unit can run at the lowest sound level.
- Built-in Drain Pump drains water automatically. A standard drain-head height of up to 600mm is possible, creating the ideal solution for perfect water drainage.
- Pre-set fresh air inlet, can introduce the outside fresh air into the room, greatly improve the indoor air quality (optional).

CBV TECHNICAL DATA

Indoor units		AWSI-CBV009-N11	AWSI-CBV012-N11	AWSI-CBV016-N11
Code		7SP04H001	7SP04H002	7SP04H003
CAPACITY				
Cooling	kBtu/H	9.5	12.3	15.3
	kW	2.8	3.6	4.5
Heating	kBtu/H	10.9	13.6	17.1
	kW	3.2	4	5
ELECTRICAL PARAMETERS				
Power supply	Ph/V/Hz	1/220~230/50	1/220~230/50	1/220~230/50
PERFORMANCE				
Airflow	m³/h	700	700	700
Noise level (LS/MS/HS)	dB(A)	29/30/32	29/30/32	29/30/33
INSTALLATION				
External dimensions (WxHxD)	mm	570x570x260	570x570x260	570x570x260
Shipping dimensions (WxHxD)	mm	718x680x380	718x680x380	718x680x380
Net/Shipping weight	kg	19/21	19/21	19/21
Refrigerant liquid pipe	inches	1/4"	1/4"	1/4"
Refrigerant gas pipe	inches	3/8"	1/2"	1/2"
PANEL				
Code panel		7ACVFH001	7ACVFH001	7ACVFH001
External dimensions (WxHxD)	mm	700x700x60	700x700x60	700x700x60
Shipping dimensions (WxHxD)	mm	740x750x115	740x750x115	740x750x115
Net/Shipping weight	kg	2.8/4.8	2.8/4.8	2.8/4.8

Please contact Airwell before ordering unit with wired control application option.



RWV01

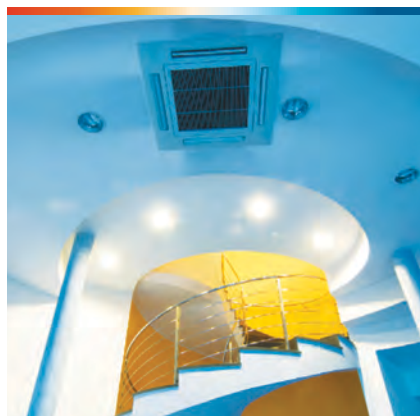


RCV01
(optional)

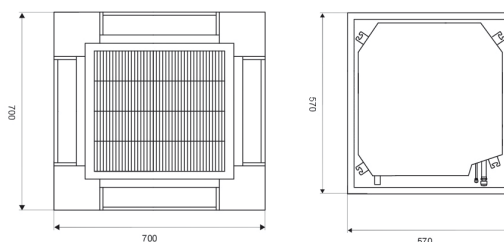


RWV03
(optional)

AIRWELL SOLUTIONS



Dimensions: 009-012-016 models





CCV [EC COMPLY]

CASSETTE 900x900

- q Compact design
- q Advance structure facilitating cleaning and installation
- q Fresh air inlet
- q New particular panel design
- q EEV inside
- q Wired controller RWV01 included on standard

PRODUCT ADVANTAGES

- Adopt the compact design the thick of the main body is only 290mm. So even the inner space of the ceiling is narrow the unit can also be installed easily.
- The suction grille can be rotated by 90° and its installation direction can be selected randomly.
- Pre-set fresh air inlet, can introduce the outside fresh air into the room, greatly improve the indoor air quality (optional).
- From small to big size use the same appearance panel, harmony with the environment and with consistence appearance.

CCV TECHNICAL DATA

Indoor units		AWSI-CCV018-N11	AWSI-CCV024-N11	AWSI-CCV030-N11	AWSI-CCV048-N11
Code		7SP04H004	7SP04H005	7SP04H007	7SP04H009
CAPACITY					
Cooling	kBtu/H	19.1	24.2	30.7	47.7
	kW	5.6	7.1	9	14
Heating	kBtu/H	21.5	27.3	34.1	54.6
	kW	6.3	8	10	16
ELECTRICAL PARAMETERS					
Power supply	Ph/V/Hz	1/220~230/50	1/220~230/50	1/220~230/50	1/220~230/50
PERFORMANCE					
Airflow	m ³ /h	1200	1200	1800	1800
Noise level (LS/MS/HS)	dB(A)	30/32/34	31/35/34	31/35/37	35/39/42
INSTALLATION					
External dimensions (WxHxD)	mm	840x840x240	840x840x240	840x840x295	840x840x295
Shipping dimensions (WxHxD)	mm	930x930x330	930x930x330	930x930x390	930x930x390
Net/Shipping weight	kg	30/36	30/36	38/40	38/40
Refrigerant liquid pipe	inches	1/4"	3/8"	3/8"	3/8"
Refrigerant gas pipe	inches	1/2"	5/8"	5/8"	5/8"
PANEL					
Code panel		7ACVFH002	7ACVFH002	7ACVFH002	7ACVFH002
External dimensions (WxHxD)	mm	950x950x80	950x950x80	950x950x80	950x950x80
Shipping dimensions (WxHxD)	mm	985x985x115	985x985x115	985x985x115	985x985x115
Net/Shipping weight	kg	6/9	6/9	6/9	6/9

Please contact Airwell before ordering unit with wired control application option.



RWV01
(STD)



RCV01
(optional)



RWV03
(optional)

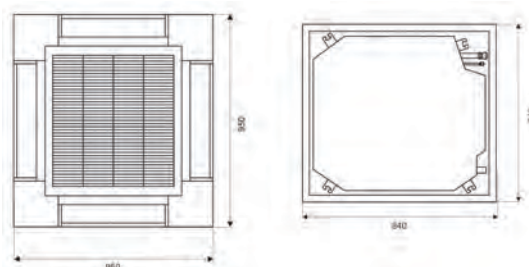


RWV04
(optional)

AIRWELL SOLUTIONS



Dimensions: 018-024-030-048 models





FAV I EC COMPLY FLOOR CEILING

- q Ultra-thin unit body, only thick 199mm (24 model)
- q Wide-angle airflow
- q Quiet running
- q EEV inside
- q Wired controller RWW01 included on standard

PRODUCT ADVANTAGES

- The convertible indoor unit adopts a double drain pan design. The unit body is very thin, only 199mm. It is beautiful, elegant and space saving.
- 100° wide angle louvers and 70° wide angle blades design to make a precise control of the airflow. It averagely distributes the comfortable air to every corner of the room.
- Thanks to the low sound level centrifugal fan, the unit always works quietly so as to give more comfort to life.

FAV TECHNICAL DATA

Indoor units		AWSI-FAV012-N11	AWSI-FAV018-N11	AWSI-FAV024-N11
Code		7SP02H008	7SP02H010	7SP02H011
CAPACITY				
Cooling	kBtu/H	12.3	19.1	24.2
	kW	3.6	5.6	7.1
Heating	kBtu/H	13.6	21.5	27.3
	kW	4	6.3	8
ELECTRICAL PARAMETERS				
Power supply	Ph/V/Hz	1/220~230/50	1/220~230/50	1/220~230/50
PERFORMANCE				
Airflow	m³/h	800	800	800
Noise level (LS/MS/HS)	dB(A)	44/46/48	44/46/48	44/46/48
INSTALLATION				
External dimensions (WxHxD)	mm	990x665x199	990x665x199	990x665x199
Shipping dimensions (WxHxD)	mm	1150x750x300	1150x750x300	1150x750x300
Net/Shipping weight	kg	28.3/34.3	28.3/34.3	28.3/34.3
Refrigerant liquid pipe	inches	1/4"	1/4"	3/8"
Refrigerant gas pipe	inches	1/2"	1/2"	5/8"

Please contact Airwell before ordering unit with wired control application option.



RWW01
(STD)



RCV01
(optional)



RWW03
(optional)

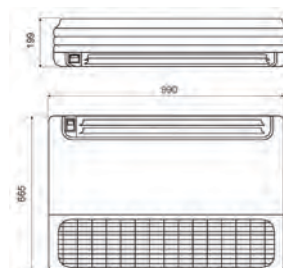


RWW04
(optional)

AIRWELL SOLUTIONS



Dimensions: 012-018-024 models





DAV 009-012

DAV [EC COMPLY]

DUCTED LOW STATIC PRESSURE

- q 220 ultra thin design and space saving
- q Elegant outlook fit with your style
- q Optional air return design
- q Optional static pressure
- q High efficiency filter G3
- q EEV inside
- q Wired controller RWV01 included on standard



DAV 016



R410A FLUID

PRODUCT ADVANTAGES

- Ultra thick design make all the models have only 220mm height. It is more convenient for installation and maintenance.
- The indoor unit placed in the ceiling only the inlet and outlet grill can be seen. The most suited grill can be used to fit with the indoor decoration.
- There are two air return design for the different requestment. Let the decoration more optional.
- Two choice of optional static pressure 0 Pa and 20 Pa for the low static pressure duct make user more convenient.
- The unit adopts G3 grade filter which can efficiency filter the dirt etc., and improve the room air quality. At the same time, the filter can be pulled out from downside, convenient for maintenance and cleaning.



RWV01

RCV01
(optional)(infrared
receiver to
combined
with RCV 01)RWV03
(optional)RWV04
(optional)

DAV TECHNICAL DATA

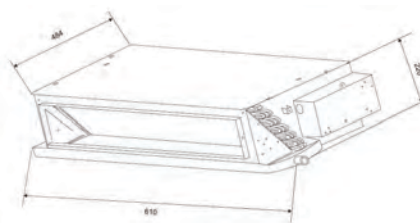
Indoor unit		AWSI-DAV009-N11	AWSI-DAV012-N11	AWSI-DAV016-N11
Code		7SP03H002	7SP03H003	7SP03H004
CAPACITY				
Cooling	kBtu/H	9.5	12.3	15.3
	kW	2.8	3.6	4.5
Heating	kBtu/H	10.9	13.6	17.1
	kW	3.2	4	5
ELECTRICAL PARAMETERS				
Power supply	Ph/V/Hz	1/220~230/50	1/220~230/50	1/220~230/50
PERFORMANCE				
Airflow	m³/h	400	500	850
Noise level (LS/MS/HS)	dB(A)	30/32/35	30/32/35	30/32/35
INSTALLATION				
External dimensions (WxHxD)	mm	610x484x220	610x484x220	1090x484x220
Shipping dimensions (WxHxD)	mm	710x545x280	710x545x280	1174x545x280
Net/Shipping weight	kg	15/17	16/19	25/27
Refrigerant liquid pipe	inches	1/4"	1/4"	1/4"
Refrigerant gas pipe	inches	3/8"	3/8"	3/8"
Static pressure	Pa	20	20	20

Please contact Airwell before ordering unit with wired control application option.

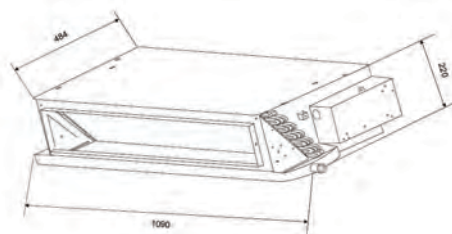
AIRWELL SOLUTIONS



Dimensions: 009-012 models



Dimensions: 009 model





DBV 018-028



DBV 038



R410A FLUID

DBV [EC COMPLY]

DUCTED MEDIUM STATIC PRESSURE

- q Flexible static pressure selection, meet the customers' personal requests
- q High efficiency filter G3
- q Special up-drainage water pump
- q EEV inside
- q Wired controller RWW01 included on standard
- q Plenum for air outlet provided: - 3 Ø200 sizes 018 and 028
- 4 Ø200 size 038

PRODUCT ADVANTAGES

- The unit has standard static pressure (0-50 Pa) & middle static pressure (50-96 Pa) two choices, flexible air supply mode, make the installation more free and meet different personal requests.
- The unit adopts G3 grade filter which can efficiently filter the dirt etc., and improve the room air quality. At the same time, the filter can be pulled out from downside, convenient for maintenance and cleaning.
- The unit has a water pump whose the max. drainage height can be up to 600mm.



RWW01



RCV01 (optional)



(infrared receiver to combined with RCV 01)



RWW03 (optional)



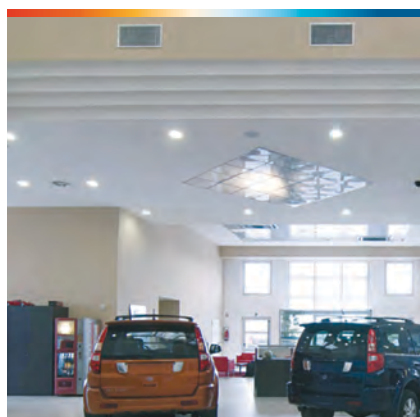
RWW04 (optional)

DBV TECHNICAL DATA

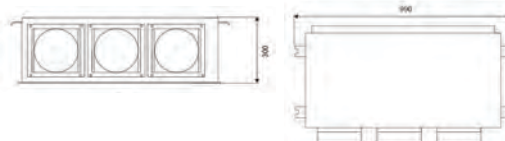
Indoor units		AWSI-DBV018-N11	AWSI-DBV024-N11	AWSI-DBV028-N11	AWSI-DBV038-N11
Code		7SP03H007	7SP03H008	7SP03H009	7SP03H011
CAPACITY					
Cooling	kBtu/H	19.1	24.2	27.3	38.2
	kW	5.6	7.1	8	11.2
Heating	kBtu/H	21.5	27.3	30.7	42.6
	kW	6.3	8	9	12.5
ELECTRICAL PARAMETERS					
Power supply	Ph/V/Hz	1/220~230/50	1/220~230/50	1/220~230/50	1/220~230/50
PERFORMANCE					
Airflow	m³/h	1200	1200	1200	1900
Noise level (LS/MS/HS)	dB(A)	35/37/43	35/37/43	35/37/43	35/37/43
INSTALLATION					
External dimensions (WxHxD)	mm	990x650x300	990x650x300	990x650x300	1410x645x350
Shipping dimensions (WxHxD)	mm	1167x860x345	1167x860x345	1167x860x345	1557x800x370
Net/Shipping weight	kg	39/45	39/45	39/45	59/66
Refrigerant liquid pipe	inches	1/4"	3/8"	3/8"	3/8"
Refrigerant gas pipe	inches	1/2"	5/8"	5/8"	5/8"
Static pressure	Pa	50	50	50	50

Please contact Airwell before ordering unit with wired control application option.

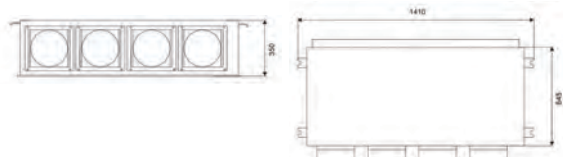
AIRWELL SOLUTIONS



Dimensions: 018-024-028 models

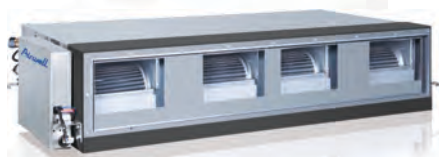


Dimensions: 038 model





DCV 048



DCV 072-096



R410A FLUID



RWV01

RCV01
(optional)RWV03
(optional)RWV04
(optional)

DCV [EC COMPLY]

DUCTED HIGH STATIC PRESSURE

- q High efficiency filter
- q Free setting of air discharge duct
- q Multi install mode
- q High external static pressure design

PRODUCT ADVANTAGES

- The number of the airflow outlet and its installation position can be freely selected according to the environment of the room, sufficiently considering the load of the room and the uniform temperature of the room to realize more perfect comfort.
- The indoor unit can be installed with an air return duct or without an air return duct according to the installation need.
- Max. external static pressure of 196 Pa brings the quick temperature adjustment to the room. Adopts high pressure fan to provide quick speed of air blowing while keeping a low sound level and ensuring a good air circulation of the whole indoor space.
- The uni adopts G3 grade filter hich can efficiently filter the dirt etc., and improve the room air quality. At the same time, the filter can be pulled out from downside, convenient for maintenance and cleaning.



DCV TECHNICAL DATA

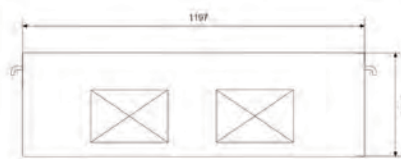
Indoor unit		AWSI-DCV048-N11	AWSI-DCV072-N11	AWSI-DCV096-N11
Code		7SP03H018	7SP03H019	7SP03H020
CAPACITY				
Cooling	kBtu/H	47.7	77.1	95.5
	kW	14	22.6	28
Heating	kBtu/H	54.6	85.3	108.5
	kW	16	25	31.5
ELECTRICAL PARAMETERS				
Power supply	Ph/V/Hz	1/220~230/50	1/220~230/50	1/220~230/50
PERFORMANCE				
Airflow	m³/h	2100	4050	4050
Noise level (LS/HS)	dB(A)	40/45	49/54	49/54
INSTALLATION				
External dimensions (WxHxD)	mm	1197x360x830	1570x360x880	1570x360x880
Shipping dimensions (WxHxD)	mm	1430x420x940	1800x525x1000	1800x525x1000
Net/Shipping weight	kg	62/77	100/111	100/111
Refrigerant liquid pipe	inches	3/8"	3/8"	3/8"
Refrigerant gas pipe	inches	5/8"	5/8" x 2	5/8" x 2
Static pressure	Pa	100	100	100

Please contact Airwell before ordering unit with wired control application option.

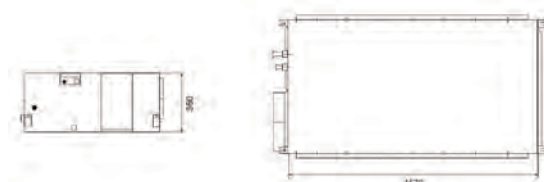
AIRWELL SOLUTIONS



Dimensions: 048 model



Dimensions: 072-096 models





EAV [EC COMPLY] CONSOLE

- q High efficiency filter
- q Quiet running
- q Compact unit body and space saving
- q Fast temperature adjustment
- q EEV inside
- q Blowing up and down



PRODUCT ADVANTAGES

- The unit adopt high efficiency filter, can efficiently filter the dirt etc., and improve the room air quality.
- Thanks to the low sound level centrifugal fan, the unit always works quietly so as to give more comfort to life.
- The unit body is very thin and harmonious with room. It is beautiful, elegant and space saving.
- Air supplying from top or the bottom of the unit body for fast temperature adjustment.



EAV TECHNICAL DATA

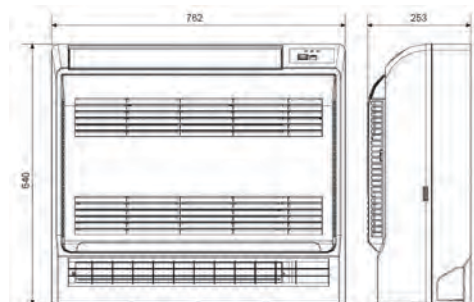
Indoor unit		AWSI-EAV012-N11
Code		7SP05H002
CAPACITY		
Cooling	kBtu/H	12.3
	kW	3.6
Heating	kBtu/H	13.6
	kW	4
ELECTRICAL PARAMETERS		
Power supply	Ph/V/Hz	1/220~230/50
PERFORMANCE		
Airflow	m³/h	520
Noise level (LS/MS/HS)	dB(A)	36/39/43
INSTALLATION		
External dimensions (WxHxD)	mm	762x640x253
Shipping dimensions (WxHxD)	mm	784x719x305
Net/Shipping weight	kg	18/20
Refrigerant liquid pipe	inches	1/4"
Refrigerant gas pipe	inches	1/2"

Please contact Airwell before ordering unit with wired control application option.

AIRWELL SOLUTIONS



Dimensions: 012 model





HRV [EC COMPLY]

HEAT RECOVERY UNIT DOUBLE FLUX EXCHANGER

- q Two levels of air volume capacity 800 and 1000 m³/h
- q Three operation modes : Auto/Heat recovery/Collateral
- q Four fan speed
- q ON/OFF 24Hr timer option

PRODUCT ADVANTAGES

- Heat recovery.
- High efficiency heat transfer.
- Wide operating range.
- Adjustable airflow, operating mode and tier.
- Dual flow system promoting the air mix and recovery of calories.



RWW03

HRV TECHNICAL DATA

Indoor units		AWSI-HRV0800-N11	AWSI-HRV1000-N11
Code		7SP03H023	7SP03H024
ELECTRICAL PARAMETERS			
Power supply	Ph/V/Hz	1/220-230/50	1/220-230/50
Rated Input power	kW	0.36	0.36
Rated current	A	1.65	1.65
PERFORMANCE			
Airflow (LS/HS)	m ³ /h	800/900	850/1000
Noise level (LS/HS)	dB(A)	55/57	55/57
Static pressure	Pa	120	100
INSTALLATION			
External dimensions (WxHxD)	mm	1112x387x1216	1227x387x1115
Shipping dimensions (WxHxD)	mm	1452x410x1220	1465x430x1213
Net/Shipping weight	kg	85.5/90.6	85.5/90.6

The HRV can work independently without connecting to the VRF system.

Please contact Airwell before ordering unit with wired control application option.

AIRWELL SOLUTIONS



Accessories

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[NAME]		Photo	Code	Model
CONTROLLERS	INFRARED CONTROLLER		7ACELH001	RCV01
	INFRARED CONTROLLER RECEIVER		7ACELH009	REC01
	WIRED STANDARD CONTROLLER		7ACELH002	RWV01
	SIMPLIFIED CONTROLLER		7ACELH008	RWV03
	CONTROLLER		7ACELH010	RWV04
	CENTRAL CONTROLLER "TOUCH SCREEN"		7ACELH003	RWV02
	CONNECTING BOARD		7ACELH004	ADV01
	INVERTER PROTOCOL ADAPTATER		7ACELH007	ADV02
	MODBUS GATEWAY		7ACELH011	ADV03
	LONWORKS GATEWAY		7ACELH012	ADV04
	RS485&232 CONVERTER + SOFTWARE		7ACELH005	BMV01
	PROTOCOL BACNET IP/MSTP + PROTOCOL MODBUS RTU/TCP		7ACELH013	BMV03
TUBING ACCESSORIES	GATHER PIPE		7ACFHH005	TAS20
	GATHER PIPE		7ACFHH006	TAS30
	MANIFOLD PIPE		7ACFHH001	TAU335
	MANIFOLD PIPE		7ACFHH002	TAU506
	MANIFOLD PIPE		7ACFHH003	TAU730
	MANIFOLD PIPE		7ACFHH004	TAU1350

【 F O N C T I O N 】	【 F O R W H A T U N I T S ? 】	【 O P T I O N A L / C O M M E N T S 】
Unit operating	Wall mounted Console	Standard with high wall and console Optional with cassette, convertible and ducted
Realize infrared control for duct type	Duct	
Unit operating and group control (max. 16 indoor units)	Duct 4-way cassette Floor ceiling	Standard with 4-ways cassette, ducted and floor ceiling
Unit operating and group control (max. 16 indoor units)	All (except for wall mounted & console type)	
Single unit control, group control, max. 16 units, weekly timer, clock, mode cooling/heating/ auto/airflow/deshumidification, temperature, fan speed, fan direction	Cassette Convertible Duct type Built-in floor standing	
ON/OFF function & malfunction code display (max. 128 groups) Zone, timer, central control mode	FlowLogic II	Mandatory with ADV01
Connecting RWV02 and outdoor units	FlowLogic II	Mandatory with RWV02
Protocol adapter and data storage	FlowLogic II	Mandatory with BVM01 and BVM03
Connect the outdoor unit to change the homebus protocol to Modbus protocol. And then match with the ADV04 to realize the lonworks gateway function. Every outdoor system adopt one ADV04 + ADV03. In one system, total connected indoor units quantity is max. 32. The ADV04 need connect external 24V DC power supply		
BMS control (air conditioner edition)	FlowLogic II	
BMS control (BACnet protocol edition)	FlowLogic II	
Refrigerant gathering	FlowLogic II	For 2 outdoor units
Refrigerant gathering	FlowLogic II	For 3 outdoor units
Refrigerant distribution	Total indoor units capacity less than 33.5 kW	
Refrigerant distribution	Total indoor units capacity less than 50.6 kW, but equal or bigger than 33.5 kW	
Refrigerant distribution	Total indoor units capacity less than 73 kW, but equal or bigger than 50.6 kW	
Refrigerant distribution	Total indoor units capacity bigger than 73 kW	

Airwell

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