

# Airwell

*Just feel well*



# Airwell

AIR CONDITIONING & HEATING



## Middle East Catalog 2021/2022



# AIRWELL MAKES LIFE EASIER WITH DEDICATED SERVICES

## Professionals



### INTERNET WEBSITE

Order easier online

web ■ [www.airwell-pro.com](http://www.airwell-pro.com)



### TECHNICAL DOCUMENTATION

Find here all the documentation you need

web ■ <http://lh.airwell-res.com/>

e-mail ■ [presales@airwell-res.com](mailto:presales@airwell-res.com)



### TECHNICAL SUPPORT AND PROJECTS

tel ■ +33 (0)1 76 21 82 82

e-mail ■ [presales@airwell-res.com](mailto:presales@airwell-res.com)



### TRAININGS



web ■ [www.airwell-academy.fr](http://www.airwell-academy.fr)

e-mail ■ [airwell-academy@airwell-res.com](mailto:airwell-academy@airwell-res.com)



### AFTER-SALES & QUALITY SERVICE

tel ■ +33 (0)1 76 21 82 95 - From Monday to Friday, from 9 am to 12:30 pm and from 2 to 5 pm

e-mail ■ **Parts orders:** [sp@airwell-res.com](mailto:sp@airwell-res.com)

e-mail ■ **Technical support:** [sav@airwell-res.com](mailto:sav@airwell-res.com)

## Consumers



### INTERNET WEBSITE

■ [www.airwell.com](http://www.airwell.com)



### SELECTION ASSISTANT

■ **3D designer:** simulate in 3D your air conditioning from home



## THE EXPERTISE OF A FRENCH BRAND

An international sales network



Find our partners on [www.airwell-pro.com](http://www.airwell-pro.com)

### HEADQUARTERS

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78180 Montigny-le-Bretonneux - FRANCE

### GENERAL CONTACT

tél. ■ +33 (0)1 76 21 82 00  
e-mail ■ [contact@airwell-res.com](mailto:contact@airwell-res.com)

## Our partners



## Our certifications



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# History

Your french expert

FOR MORE THAN 70 YEARS

Introduction of the Smart home and ENR offering



Development in Middle East and Latin America

Start of the ENR project

Launch of "Zero Default objective"

Development of "Split" units



Start of the Airwell history

2021

Launch of AirHome and Hybrid home

MA MAISON  
**HYBRIDE**  
par Airwell



2020

2019

Launch of the Airwell Connect project

2018

70  
1947 - 2017  
**Airwell**  
years

*Just feel well*

2017

70 years and in the era of 3.0, Airwell is "BIM Ready"



2015

2014

Inauguration of training centers

**Airwell**  
ACADEMY

2013

1982

Airwell, first maker in Europe to produce high wall units

1970

1950

Mass production of the first window unit

1947





## OUR PRODUCTS

- Residential air conditioning
- Tertiary air conditioning
- Industrial air conditioning
- Residential heating
- Renewable energies

## OUR CERTIFICATIONS

- AIRWELL participates in the ECP programme for EC1.  
Check ongoing validity of certificate:  
[www.eurovent-certification.com](http://www.eurovent-certification.com)



- The company meets **ISO standard 9001**



## IN FIGURES

- 1<sup>st</sup> manufacturer to produce the Window solution
- Over 70 years of experience
- Present in 80 countries
- Over 6,500 part references in stock

## ABOUT US

Since 1947, **French brand** Airwell, the heating and air conditioning expert, has built its reputation as a leading manufacturer of air conditioning systems for residential and tertiary applications, thanks to its wide range of products. With a firm focus on **innovation**, the company is constantly reinventing itself to ensure it stays ahead of the latest market trends, providing solutions with an ever-increasing level of **performance** to tackle the most challenging issues. Airwell conducts its Research & Development in line with a **policy of environmental responsibility** to meet the needs of our planet and the expectations of our customers.

## OUR COMMITMENTS

### SERVICE IS OUR PRIORITY

- Designing unique solutions
- Our watchword: partnership
- Help you complete your projects
- Local and remote technical support
- Flexibility: online ordering

### FRENCH QUALITY AND EXPERTISE

- A historic French brand 
- Innovative, competitive solutions
- Large range of products able to adapt to every need.



# Airwell

*your expert...*

## TRADE

*Airwell makes every effort to make life easier for its customers.*

*From the selection of the solution to the maintenance, through training, Airwell accompanies you in all stages of your air conditioning and heating project.*



## AIRWELL QUALITY

Airwell products are known for their reliability and longevity. Excellent quality and a particularly large range of products offer customers a clear advantage.

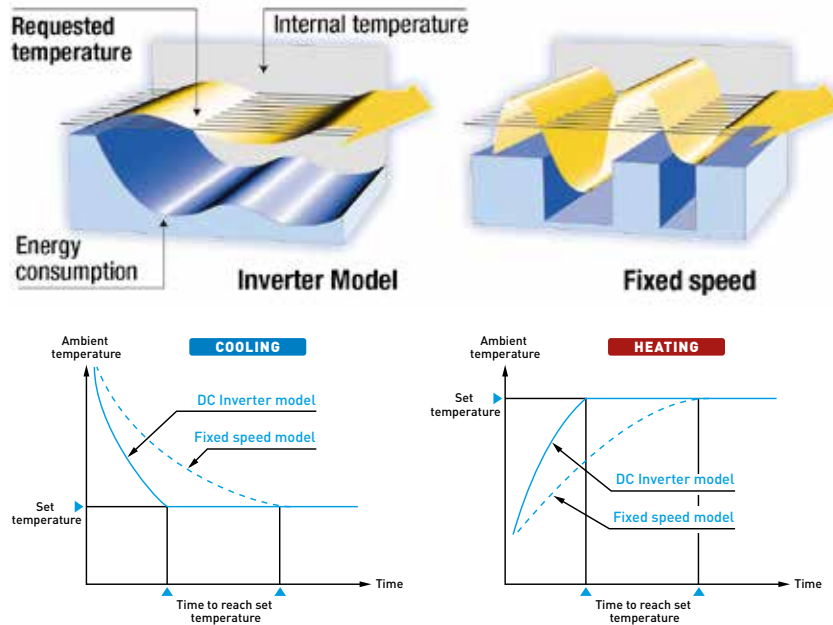
With a global presence, Airwell strives to apply its quality standards to all of its production sites. Respect for the environment plays a key role in our companies.

For Airwell, acting in a way that respects the environment is at the heart of company policy. This means developing systems that promote energy savings, manufactured wholly from recyclable materials, and ensuring natural resources are used responsibly.

Airwell's management evaluates its compliance with these requirements in annual reports and defines new objectives to ensure that tomorrow's environmental challenges are being met today.

## DC INVERTER TECHNOLOGY

The protection of our environment is one of the most important tasks we have. Speaking about air conditioning, Inverter techniques became an important technology for this essential task. Inverter not only save energy but also provides an excellent sound performance and a high flexibility.



### HEATING MODE OPERATION DOWN TO -15°C

The latest DC Inverter technology, combined with the use of R410A “green” fluid, allow for optimal efficiency (class A energy label) and exceptional performance with the capability of operating in heating mode at outdoor temperatures down to -15°C.

### SILENT RUNNING

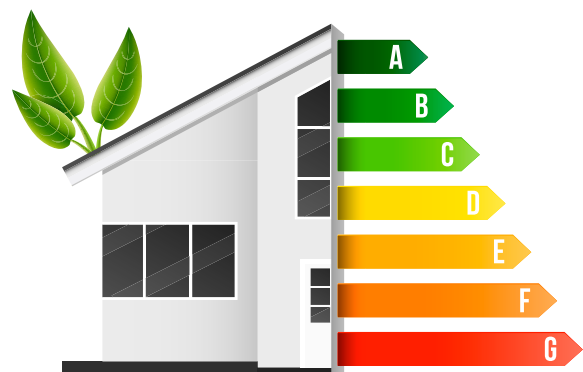
By reducing its speed, the Inverter provides much better sound performances compare to fix speed systems where the compressor is running full speed all time.

### QUICK REACH OF SET TEMPERATURE

DC Inverter technology allows soft starting whilst ensuring the setpoint temperature is met more quickly. Once the temperature setpoint is reached the Inverter will reduce and adapt speed needed to obtain capacity needed only.

### ENERGY SAVING

Compared with traditional fixed speed systems, DC Inverter technology allows significant energy savings to be made, enabling the return on investment to be reduced by up to 15 months. The secret behind is that Inverter can control and adapt its running speed according to the room temperature requirements. By avoiding compressor start-up and stoppage phases, DC Inverter technology enables the system to run continuously while modulating the compressor output in relation to the room’s set temperature point.



# Airwell

*your expert...*

## PRODUCTS

*With a failure rate of less than 0.04%, Airwell is committed to providing reliable products.*

*Thanks to a wide range of products, Airwell brings you particularly flexible, efficient and competitive answers, adapted to the specific characteristics of your markets.*

## ENERGY EFFICIENCY

Indication of the annual energy consumption. Established using a standard model, this annual consumption is calculated by multiplying the total output by an average of 500 hours per year in cooling mode, at the nominal load.

### COOLING CAPACITY

The cooling capacity is defined as the cooling power in kW of a unit running in cooling mode at the nominal load.

### HEATING CAPACITY

The heating capacity is defined as the heating power in kW of a unit running in heating mode at the nominal load.

### EER OR ENERGY EFFICIENCY RATIO

This ratio is the relationship between the cooling capacity and the quantity of electricity required to reach it. In other words, the higher the EER, the more energy efficient the unit.

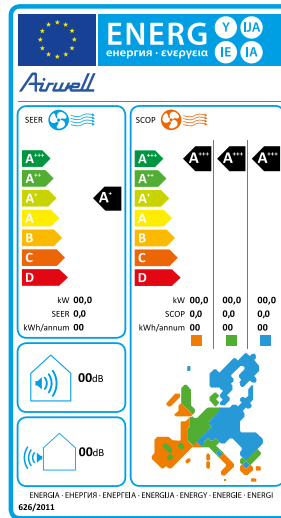
### COP OR COEFFICIENT OF PERFORMANCE

This ratio is the relationship between the heating capacity and the quantity of electricity required to reach it. In other words, the higher the COP, the more energy efficient the unit.



## ENERGY LABEL

The energy label is a very well-known initiative for household appliances. Introduced by the European Union, this label is used to classify appliances into several categories based on their energy consumption. Using different types of information (manufacturer, model, heating and cooling capacity, noise level), this label allows users to choose between a number of products.



	SEER (Cooling mode)	SCOP (Heating mode)
A+++	SEER ≥ 8,50	SCOP ≥ 5,10
A++	6,10 ≤ SEER < 8,50	4,60 ≤ SCOP < 5,10
A+	5,60 ≤ SEER < 6,10	4,00 ≤ SCOP < 4,60
A	5,10 ≤ SEER < 5,60	3,40 ≤ SCOP < 4,00
B	4,60 ≤ SEER < 5,10	3,10 ≤ SCOP < 3,40
C	4,10 ≤ SEER < 4,60	2,80 ≤ SCOP < 3,10
D	3,60 ≤ SEER < 4,10	2,50 ≤ SCOP < 2,80
E	3,10 ≤ SEER < 3,60	2,20 ≤ SCOP < 2,50
F	2,60 ≤ SEER < 3,10	1,90 ≤ SCOP < 2,20
G	SEER < 2,60	SCOP < 1,90

## FOCUS ON R32 REFRIGERANT

At Airwell, our key concerns are technology, innovation, and protection of the environment. Many years of development have enabled us to produce highly eco-friendly products which help protect our planet.

### ADVANTAGES OF R32

- A greener refrigerant than R410A, with one third of the environmental impact.
- More energy efficient (increase of 10%)
- Equipment using R32 needs less gas as efficiency is improved during the heat transmission phase.
- Pure gas, which is easy to recycle.



# Airwell

*your expert...*

## CUSTOMERS

*The French expert has an international network of partners (distributors, installers...).*

*Together, you build a lasting relationship: pre-sales advice, product availability, technical sales support...*

*Partnership is an integral part of Airwell's DNA.*



## DEDICATED TOOLS

### INTERNET WEBSITE



#### Online order:

Airwell offers its referenced customers to order their products online *via* the website:

[www.airwell-pro.com](http://www.airwell-pro.com)

#### Documentation library:

<http://lh.airwell-res.com>



### BIM

#### Airwell is "BIM Ready"!

In partnership with **Stabiplan**, Airwell announces its launch in **BIM** (Building Information Modeling) and offers its tertiary and commercial air conditioning (VRF) range in BIM format broadcast on the **MEPcontent** library.

This allows REVIT® users to integrate Airwell content for all their building projects, made in the 3D digital world.

Airwell Academy offers dedicated BIM training, including an introduction to the features of REVIT®, as well as drawings of heating/cooling networks.

[www.mepcontent.com](http://www.mepcontent.com)

## SPARE PARTS

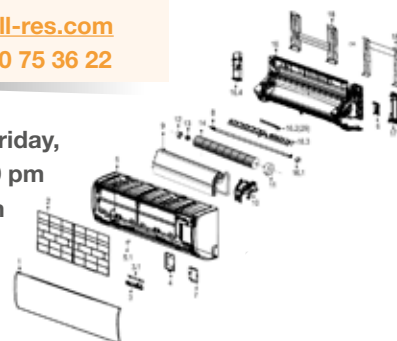
### FOR PRODUCTS UNDER AIWELL SUPPORT



[sp@airwell-res.com](mailto:sp@airwell-res.com)

+33 (0)9 70 75 36 22

■ From Monday to Friday,  
from 9 am to 12:30 pm  
and from 2 to 5 pm



## TRAINING

### WHY CHOOSE THE AIRWELL ACADEMY?

AIRWELL offers an effective solution with the Airwell Academy!

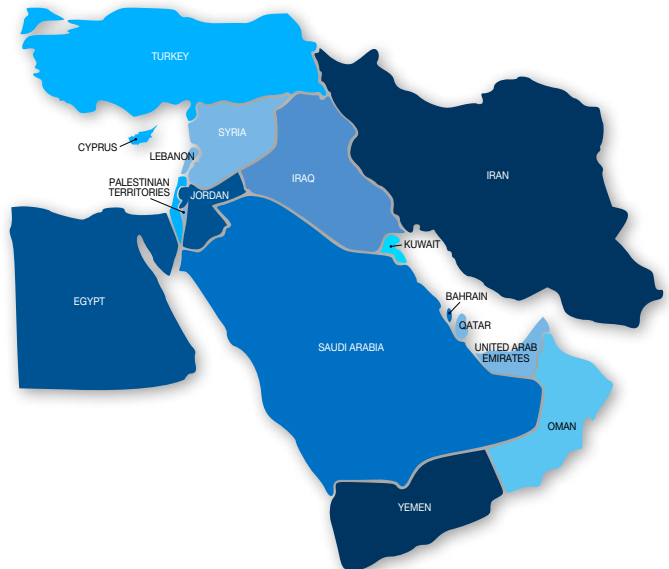
- Technical **training** leading to qualifications
- **Training tools:** hire of training rooms and sets of teaching materials
- **Tailored services:** residential and industrial energy audits



**AIRWELL guides you through the training of your teams in line with best industry practice and current environmental constraints.**

### AIRWELL IN THE MIDDLE EAST

- Airwell is in constant innovation to achieve higher energy efficiency in its products. It is participating today in reaching the energy goals of tomorrow.
- Airwell products are high quality products that answers to the toughest climate challenges. Its ranges are resistant to high temperatures, corrosive environments, and dusty spaces.
- Airwell products passed a process of robust and rigor quality control with third party certifications (Eurovent, Intertek..) for the benefit of all: end users, prescribers, developers, insurers, investors and authorities.



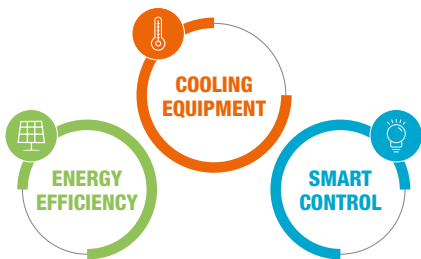
- Airwell has established a network of professionals in the region, able to: Design, Contract, Commission and Maintain all kind of cooling applications.

Register for a training programme at: [www.airwell-academy.fr](http://www.airwell-academy.fr)



# RENEWABLE RANGE

## Choose positive energy!



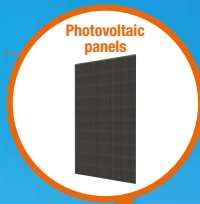
Regulate your energy consumption thanks to our Hybrid House solution



Reduce your electricity bill

### SOLAR PANEL

- Black design
- 300Wc Monocrystalline capacity
- High conversion rate: 18.44%
- Positive tolerance 0/+3%
- High efficiency and reliability
- Robust model resistant to severe weather
- TUV certified, standards IEC612215 & IEC61730 respected



### MICROPROCESSOR

- Advanced and reliable technology
- Adapted for residential, tertiary, industrial and agricultural segments.
- Innovative semiconductor technologies guaranteeing maximum performance
- Possibility to connect to any local network profile.
- Fast installation and connectivity.
- One MPPT regulator per panel for an optimized energy production

### AIR CONDITIONING EQUIPMENT

- DC Inverter compressors (single compressor on monosplit units, double compressors on variable refrigerant flow units).
- Low sound levels with quiet operations, down to 20 dB on selected models.
- Highly resistant units to severe weather, and electric fluctuations in the grid.



### ACCESSORIES & FITTINGS

	Supplied power	Photovoltaic panels (single module = 300 Wp)	Microprocessor	Mounting kit	Control kit	Set-up	Part number
Renewable KIT	1,8kWp	6 monocrystalline panels 300 Wp	3 pcs - <b>YC600</b>	Full kit: mounting + screws	Cables & Control panel	Portrait	7ACEL1852
	3,0kWp	10 monocrystalline panels 300 Wp	5 pcs - <b>YC600</b>			Portrait	7ACEL1856
						Landscape	7ACEL1853
						Portrait	7ACEL1857
	4,8kWp	16 monocrystalline panels 300 Wp	4 pcs - <b>QS1</b>			Landscape	7ACEL1854
6,0kWp	20 monocrystalline panels 300 Wp	5 pcs - <b>QS1</b>	Portrait	7ACEL1858			
			Landscape	7ACEL1855			



These packages answers energy demands for residential applications as well as tertiary and industrial applications. It can be combined with monosplit units or variable refrigerant flow units for larger applications. The connectivity remains at the heart of these packages in order to find easy to operate solutions for end-users.

Airwell proposes packaged solutions to meet energy needs. A set packages combines solar panels, air conditioning and connectivity into a single module to meet the thermal energy required while reducing the energy needed power the system.



### PREPARE YOUR COMFORT

- Dedicated Smartphone application for user
- Voice command activated (Google home, Alexa, Siri)
- Home comfort monitoring (Air conditioning, solar panels, electricity, security systems and more)
- Dedicated interface for engineers & installers (troubleshoot, distance monitoring)

Part number:  
**AIR HOME BOX**







# Direct expansion range





High efficiency  
Air Conditioner.

## + PRODUCTS

- Modern design.
- Smart control unit.
- Golden fins.
- RC08C remote control included.

## FEATURES

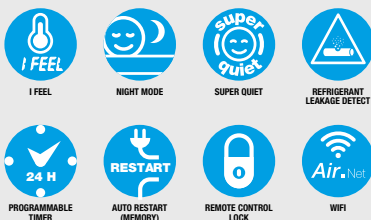
### TECHNOLOGY:



### AIR QUALITY/CLEAN:



### USER FUNCTIONS:



### INSTALLER FUNCTIONS:



### THE «SUSTAINABLE DEVELOPMENT»

- High performance product (SEER/SCOP)
- Energy savings with heating mode only and setpoint limits

### THE «USER»

- Built-in WiFi
- Optimal air diffusion
- Quiet mode available
- Multiple applications connectable using the dry contact: room card, presence detection

### THE «INSTALLER»

- Installer mode on remote control

### THE «TECHNOLOGY»

- High corrosion resistance with the Golden Fin
- Refrigerant leak detection



## HDT TECHNICAL DATA

Indoor unit		AW-HDT018-N15	AW-HDT024-N15	AW-HDT027-N15	AW-HDT036-N15
Outdoor unit		AW-YHDT018-H15	AW-YHDT024-H15	AW-YHDT027-H15	AW-YHDT036-H15
Phase		Single phase	Single phase	Single phase	Single phase
<b>COOLING</b>					
Capacity T1	Btu/h	18000	24000	27000	36000
Power input T1	W	1273	1560	2109	2710
Rated current T1	A	5.52	7	9.54	12.1
EER (T1) / EER (T3)	(Btu/h/W)	13.44/9.81	13.01/8.70	12.80/8.91	12.55/9.31
Operating limits T3	°C	0~54° / Dry bulb			
<b>HEATING</b>					
Capacity	Btu/h	17400	25248	27296	34500
Power input T1	W	1342	2177	2105	2740
Rated current T1	A	5.83	9.6	9.47	12.3
COP	(Btu/h/W)	12.97	11.60	12.97	12.59
Operating limits	°C	- 15~30° / Dry bulb			
<b>INDOOR UNIT</b>					
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	50/49/42/40.5	52/49.5/45/42.5	51/50/44.5/42.5	51.5/51/46.5/43.5
Dehumidification	l/h	1.8	2.2	2.7	3.6
Airflow (LS/MS/HS)	m³/h	1250/1190/910/850	1250/1150/920/810	1420/1300/1100/980	1550/1441/1244/1100
Dimensions (WxHxD)	mm	1080x335x226	1080x335x226	1259x362x282	1350/365/272
Package dimensions (WxHxD)	mm	1155x320x415	1155x320x415	1340x385x450	1475x380x460
Net Weight/Gross Weight	kg	13.5/17.1	13.8/17.4	19.5/25.3	21.3/27.6
Part number		7SP023121	7SP023122	7SP023123	7SP023124
<b>OUTDOOR UNIT</b>					
Sound pressure level to 1 m	dB(A)	59	61	61	62
Airflow	m³/h	2675	3575	3630	3850
Compressor type		Rotary	Rotary	Rotary	Rotary
Dimensions (WxHxD)	mm	845x702x363	946x810x410	946x810x410	946x810x410
Package dimensions (WxHxD)	mm	965x775x395	1090x885x500	1090x885x500	1090x885x500
Weight	kg	44/47.4	59.6/64.6	64.1/69.3	64.8/69.5
Part number		7SP063026	7SP063027	7SP063028	7SP063029
<b>POWER SUPPLY</b>					
Phase/Tension/Frequency	V/Hz/Ph	1P/220-230V/60Hz	1P/220-230V/60Hz	1P/220-230V/60Hz	1P/220-240V/60Hz
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	2.5x3	2.5x3	4.0x3	4.0x3
Fuse rating am (D curve)	A	16	20	25	25
Electrical connections	mm²	1.5x4	1.5x4	1.5x4	1.0x4
<b>PIPE LINE</b>					
Suction pipe diameter	inches	12.7mm (1/2")	9.52mm (3/8")	9.52mm (3/8")	9.52mm (3/8")
Liquid pipe diameter	inches	6.35mm (1/4")	15.9mm (5/8")	19mm (3/4")	19mm (3/4")
Max. length	m	30	30	50	50
Max. height	m	20	20	25	25
Refrigerant / GWP		R410A/2088	R410A/2088	R410A/2088	R410A/2088
Refrigerant charge	kg	1.65	2.3	2.73	2.8
Charge (>5 m)	g	20	30	30	30



Resistant to electrical fluctuations.

### + PRODUCTS

- RC08C remote control included
- Golden fins.
- Refrigerant leakage detection.
- Two ways draining connection.

### FEATURES

#### TECHNOLOGY:



4D AIRFLOW

#### AIR QUALITY / CLEAN:



NANO PHOTOCATALYTIC FILTER



AIR FILTER



GOLDEN FINS TREATMENT



AUTO CLEAN/DRY

#### USER FUNCTIONS:



I FEEL



NIGHT MODE



REFRIGERANT LEAKAGE DETECT



RESTART

AUTO RESTART (MEMORY)



REMOTE CONTROL LOCK

#### INSTALLER FUNCTIONS:



ERROR CODE VIA INDOOR UNIT



SELF DIAGNOSTIC



LEFT/RIGHT DRAIN CONNEXION

### THE + «SUSTAINABLE DEVELOPMENT»

- High performance product
- Fixed speed compressor

### THE + «USER»

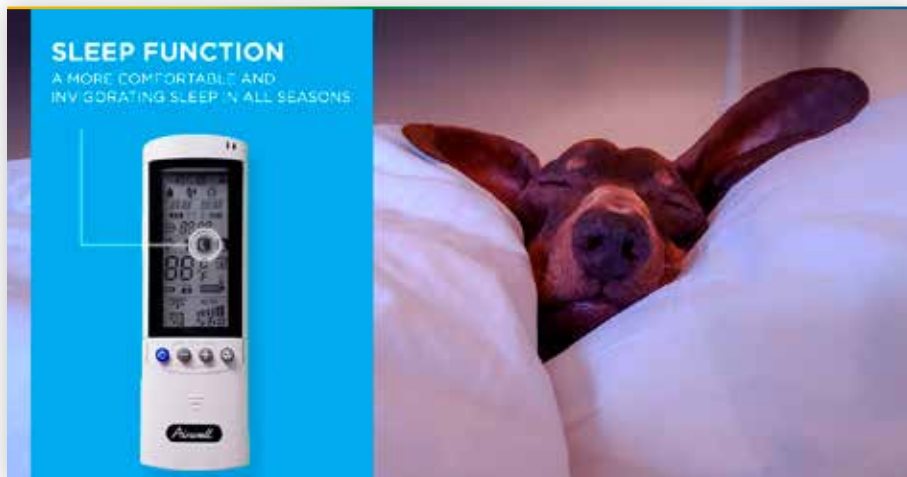
- Optimal air diffusion
- Design adapted to all kinds of interior

### THE + «INSTALLER»

- Installer mode on remote control

### THE + «TECHNOLOGY»

- High corrosion resistance with the Golden Fin
- Refrigerant leak detection





## HFT TECHNICAL DATA

Indoor unit		AW-HFT012-N11	AW-HFT018-N11	AW-HFT024-N11	AW-HFT030-N11	AW-HFT036-N11
Outdoor unit		AW-YHFT012-H11	AW-YHFT018-H11	AW-YHFT024-H11	AW-YHFT030-H11	AW-YHFT036-C11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase
<b>COOLING</b>						
<b>Capacity T1</b>	<b>Btu/h</b>	<b>12000</b>	<b>18000</b>	<b>24000</b>	<b>30000</b>	<b>36000</b>
Power input T1	W	1172	1758	2140	2580	2960
Rated current T1	A	5.1	7.64	9.4	12	14
EER (T1) / EER (T3)	(Btu/h/W)	10.24	10.24	11.21	11.63	12.16
Operating limits T3	°C	18~54° / Dry bulb				
<b>HEATING</b>						
<b>Capacity</b>	<b>Btu/h</b>	<b>12000</b>	<b>18000</b>	<b>23000</b>	<b>27300</b>	-
Power input T1	W	1065	1730	2050	2280	-
Rated current T1	A	4.63	7.52	9	11	-
COP	(Btu/h/W)	11.27	10.40	11.22	11.97	-
Operating limits	°C	-7~24° / Dry bulb				
<b>INDOOR UNIT</b>						
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	38.5/35/30.5/29	42.5/37.5/34	46/43/39.5	49.5/46.5/40.0	50.5/46.5/44
Dehumidification	l/h	1.2	1.8	2.4	3	3.6
Airflow (LS/MS/HS)	m³/h	580/563/490/373	804/772/621/503	1065/1065/950/760	1550/1450/1300/1050	1500/1320/1130/1010
Dimensions (WxHxD)	mm	802x297x189	965/319215	1080/335/226	1259/362/282	1259/362/282
Package dimensions (WxHxD)	mm	875x285x380	1045/410/305	1155/320/415	1340/385/450	1340/385/450
Net Weight/Gross Weight	kg	9.2/11.7	11.9/15.3	15.3/19.3	20.1/25.9	19.6/25.6
<b>Part number</b>		<b>7SP023220</b>	<b>7SP023221</b>	<b>7SP023222</b>	<b>7SP023223</b>	<b>7SP023224</b>
<b>OUTDOOR UNIT</b>						
Sound pressure level to 1 m	dB(A)	55	58	59	59	59
Airflow	m³/h	2050	3100	3100	3686	4000
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary
Dimensions (WxHxD)	mm	770x555x300	845x702x363	845x702x363	946x810x410	946x810x410
Package dimensions (WxHxD)	mm	900x595x345	965x775x395	965x775x395	1090x885x500	1090x885x500
Net Weight/Gross Weight	kg	35/37.8	47.5/50.8	50.4/53.8	62.5/68.5	64.7/69.4
<b>Part number</b>		<b>7SP063135</b>	<b>7SP063136</b>	<b>7SP063137</b>	<b>7SP063138</b>	<b>7SP063139</b>
<b>POWER SUPPLY</b>						
Phase/Tension/Frequency	V/Hz/Ph	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	1.5x3	2.5x3	2.5x3	4.0x3	4.0x3
Fuse rating am (D curve)	A	16	16	25	25	30
Electrical connections	mm²	1.5x3. 0.75x2	2.5x3. 0.75x2	2.5x3 . 0.75x3	1.0x4	1.0x4
<b>PIPE LINE</b>						
Suction pipe diameter	inches	12.7mm (1/2")	12.7mm (1/2")	9.52mm (3/8")	9.52mm (3/8")	9.52mm (3/8")
Liquid pipe diameter	inches	6.35mm (1/4")	6.35mm (1/4")	15.9mm (5/8")	15.9mm (5/8")	15.9mm (5/8")
Max. length	m	10	15	25	25	25
Max. height	m	5	8	10	10	10
<b>Refrigerant / GWP</b>		<b>R410A/2088</b>	<b>R410A/2088</b>	<b>R410A/2088</b>	<b>R410A/2088</b>	<b>R410A/2088</b>
Refrigerant charge	kg	0.8	1.28	1.7	2.2	2.2
Charge (>5 m)	g	15	20	30	30	30

Size: 900x900 mm

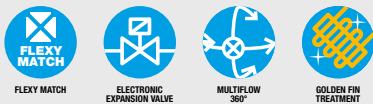


### + PRODUCTS

- RC08C remote control included
- Compact design
- Alarm output and dry contact
- Round flow 360° blown air output
- Multisplit compatible
- R32/R410A compatible
- Auxiliary air supply and fresh air supply

### FEATURES

#### TECHNOLOGY:



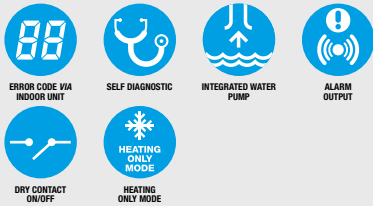
#### AIR QUALITY/CLEAN:



#### USER FUNCTIONS:



#### INSTALLER FUNCTIONS:



#### THE «SUSTAINABLE DEVELOPMENT»

→ High energy class A++ (cooling mode)/A+ (heating mode)

#### THE «USER»

→ Homogeneous airflow distribution in the room for greater comfort  
→ User comfort ("I Feel" as option)

#### THE «INSTALLER»

→ Suitable for rooms with limited space  
→ Parameters can be read on the indoor unit

#### THE «TECHNOLOGY»

→ High corrosion resistance with the Golden Fin  
→ Electronic expansion valve



## CDT TECHNICAL DATA

Indoor unit		AW-CDT024-N15	AW-CDT036-N15	AW-CDT048-N15
Outdoor unit		AW-YCDT024-H15	AW-YCDT036-H15	AW-YCDT048-H15
Phase		Single phase	Single phase	Single phase
<b>COOLING</b>				
Capacity T1	Btu/h	24000	36000	53000
Power input T1	W	1895	2800	4490
Rated current T1	A	8.35	12.4	19.8
EER(T3)	(Btu/h/W)	12.66	12.86	11.80
Operating limits T1 ou T3	°C	18~52° / Dry bulb		
<b>HEATING</b>				
Capacity	Btu/h	27000	38000	56300
Power input T1	W	2170	2650	4583
Rated current T1	A	9.6	11.85	20.2
COP		12.44	14.34	12.28
Operating limits	°C	-7~24° / Dry bulb		
<b>INDOOR UNIT</b>				
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	49/46/44	51/49/46	56.5/54.5/52.5
Dehumidification	l/h	2.4	3.6	5.5
Airflow (LS/MS/HS)	m³/h	1400/1250/1100	1950/1750/1550	2300/2100/1900
Dimensions (WxHxD)	mm	840x840x245	910x910x287	910x910x287
Package dimensions (WxHxD)	mm	900x290x900	1015x322x1015	1015x322x1015
Net Weight/Gross Weight	kg	24.6/29.7	34.4/41.3	34.7/41.2
Part number		7SP042286	7SP042287	7SP042288
<b>FRAME</b>				
Outline dimensions (WxHxD)	mm	950x55x950	950x55x950	950x55x950
Package dimensions (WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035
Net weigh/Gross weight	kg	5/8	5/8	5/8
Part number		7ACVF0564	7ACVF0564	7ACVF0564
<b>OUTDOOR UNIT</b>				
Sound pressure level to 1 m	dB(A)	60	63	64
Airflow	m³/h	3800	5000	6500
Compressor type		Rotary	Rotary	Rotary
Dimensions (WxHxD)	mm	946x810x410	946x810x410	952x1333x415
Package dimensions (WxHxD)	mm	1090x885x500	1090x885x500	1095x1480x495
Weight	kg	56.3/60.9	64.9/69.6	97.2/110.2
Part number		7SP063140	7SP063141	7SP063142
<b>POWER SUPPLY</b>				
Phase/Tension/Frequency	V/Hz/Ph	1P/220-240V/50-60Hz	1P/220-240V/50-60Hz	1P/220-240V/50-60Hz
Power supply side		Outdoor	Outdoor	Outdoor
Power cable section	mm²	2.5x3	4.0x3	6.0x3
Fuse rating am (D curve)	A	20	25	35
Electrical connections	mm²	1.0x4	1.0x4	1.0x4
<b>PIPE LINE</b>				
Suction pipe diameter	inches	9.52 mm (3/8")	9.52 mm (3/8")	9.52 mm (3/8")
Liquid pipe diameter	inches	15.9 mm (5/8")	19 mm (3/4")	19 mm (3/4")
Max. length	m	25	30	50
Max. height	m	15	20	30
Refrigerant / GWP		R410A/2088	R410A/2088	R410A/2088
Refrigerant charge	kg	2.12	3.2	4.3
Charge (>5 m)	g	30	30	30



### + PRODUCTS

- RCW11 remote control included
- Alarm output and dry contact
- Integrated condensate pump
- Fresh air supply possible
- Constant flow control

### FEATURES

#### TECHNOLOGY:



#### AIR QUALITY/CLEAN:



#### USER FUNCTIONS:



#### INSTALLER FUNCTIONS:



#### THE «SUSTAINABLE DEVELOPMENT»

→ High energy class A++ (cooling mode)/A+ (heating mode)

#### THE «USER»

→ Invisible: blends into all types of interiors  
→ Quiet

#### THE «INSTALLER»

→ Suitable for long duct lengths (160 Pa)

#### THE «TECHNOLOGY»

→ Golden Fin (high corrosion resistance)  
→ Electronic expansion valve  
→ Self-adjusting static pressure





## DDT TECHNICAL DATA

Indoor unit		AW-DDT018-N12	AW-DDT024-N12	AW-DDT036-N12	AW-DDT048-N12	AW-DDT055-N12
Outdoor unit		AW-YDDT018-H12	AW-YDDT024-H12	AW-YDDT036-H12	AW-YDDT048-H12	AW-YDDT055-H12
Phase		Single phase	Single phase	Single phase	Single phase	Single phase
<b>COOLING</b>						
Capacity T1	Btu/h	18000	24700	36000	48000	55000
Power input T1	W	1360	1881	2450	3430	3983
Rated current T1	A	6,14	8,24	15,7	15,2	17,77
EER (T1) / EER (T3)	(Btu/h/W)	12.49/8.57	12.59/8.81	12.42/8.83	12.32/8.70	12.32/8.57
Operating limits T1 ou T3	°C	18~54° / Dry bulb				
<b>HEATING</b>						
Capacity	Btu/h	<b>20100</b>	<b>26600</b>	<b>32755</b>	<b>57600</b>	<b>60000</b>
Power input T1	W	1532	2108	2400	4694	4694
Rated current T1	A	6,73	9,35	11	20,88	20,88
COP	(Btu/h/W)	13.12	12.62	13.65	12.27	12.78
Operating limits	°C	- 7~-24° / Dry bulb				
<b>INDOOR UNIT</b>						
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	43/39/34/25	40/38/35.5/30	48.5/45.5/42.5/35.5	50.5/47.5/44/35.5	50.5/47.5/44/38
Dehumidification	l/h	1,8	2,4	3,6	4,8	5,5
Airflow (LS/MS/HS)	m³/h	973/805/632	1610/1367/1101/880	2250/1880/1360/	3100/2835/2424/1980	3500/3365/2945/2470
Dimensions (WxHxD)	mm	880x210x674	1100x249x774	1200x300x874	1200x380x625	1400x440x858
Package dimensions (WxHxD)	mm	1070x270x725	1305x305x805	1405x365x915	1485x460x675	1605x515x910
Net Weight/Gross Weight	kg	25.8/31	32.6/39.9	44.5/52.7	56.8/65.6	
Part number		<b>7SP033050</b>	<b>7SP033051</b>	<b>7SP033052</b>	<b>7SP033053</b>	<b>7SP033054</b>
<b>OUTDOOR UNIT</b>						
Sound pressure level to 1 m	dB(A)	58	58	63	64	64
Airflow	m³/h	2500	3800	5000	6500	6500
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary
Dimensions (WxHxD)	mm	890x673x342	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm	995x750x435	1090x885x500	1090x885x500	1095x1480x495	1095x1480x495
Weight	kg	43.4/46.7	58.6/63.2	66.0/70.9	99.3/112.2	99.9/112.8
Part number		<b>7SP063130</b>	<b>7SP063131</b>	<b>7SP063132</b>	<b>7SP063133</b>	<b>7SP063134</b>
<b>POWER SUPPLY</b>						
Phase/Tension/Frequency	V/Hz/Ph	1P/220-230V/60Hz	1P/220-230V/60Hz	1P/220-230V/60Hz	1P/220-230V/60Hz	1P/220-230V/60Hz
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	2.5x3	2.5x3	4.0x3	6.0x3	6.0x3
Fuse rating am (D curve)	A	16	20	25	30	35
Electrical connections	mm²	1.0x4	1.0x4	1.0x4	1.0x4	1.0x4
<b>PIPE LINE</b>						
Suction pipe diameter	inches	12.7mm (1/2")	9.52mm (3/8")	9.52mm (3/8")	9.52mm (3/8")	9.52mm (3/8")
Liquid pipe diameter	inches	6.35mm (1/4")	15.9mm (5/8")	19mm (3/4")	19mm (3/4")	22mm (7/8")
Max. length	m	25	25	30	50	50
Max. height	m	15	15	20	30	30
Refrigerant / GWP		<b>R410A/2088</b>	<b>R410A/2088</b>	<b>R410A/2088</b>	<b>R410A/2088</b>	<b>R410A/2088</b>
Refrigerant charge	kg	1,6	2,2	3,2	4,4	4,6
Charge (>5 m)	g	15	30	30	30	30

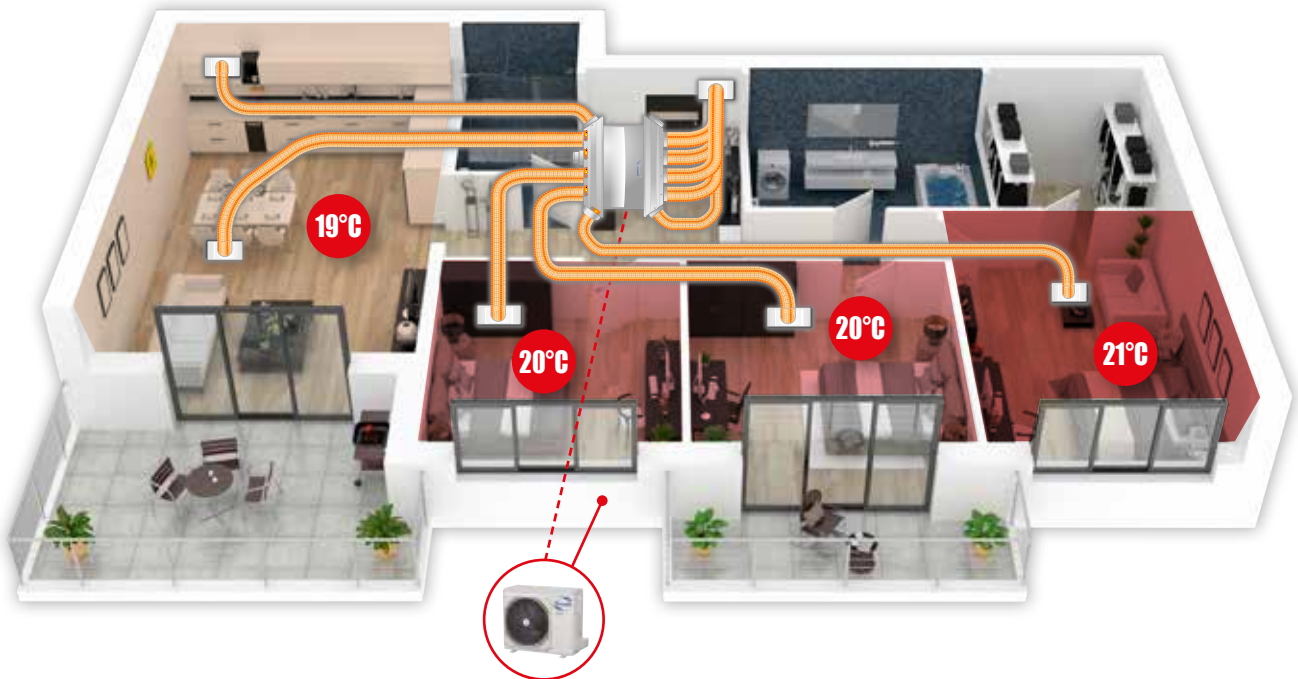
Wellzone: The ideal temperature in each room

**INFO!**

Inverter technology allows the unit to regulate its capacity depending on the required cooling load inside the space

- Air/air heat pump: **check up to 6 zones** in heating and cooling mode.
- The air registers modify their position (from 0 to 100%) in accordance with the thermostat of each room, which **maintains the desired comfort temperature**.
- Each zone has an **independent remote control** equipped with the "I Feel" system, used to control the ambient temperature and the on/off switch.
- **Invisible** air conditioning and heating solution for the whole house.
- **Low cost** system (1 single indoor unit).

### SIMULATION FOR AN INSTALLATION IN 4 ZONES WITH 5 OUTPUTS / WELLZONE 4V-5S



It's easy to place an order:  
1 single code for the complete kit of your choice!

### CONTENTS OF A COMPLETE WELLZONE KIT



Supply air and return plenums  
+ Servomotors



Diffusion and  
return grilles



Ducts



Control system  
gateway



Thermostats

## Option 1: Your all inclusive solution

Reference	Description	Compatibility	Part number
1 WELLZONE 3V	Check up to 3 zones	DDT 12-24	7ACEL1805
2 WELLZONE 4V	Check up to 4 zones	DDT 12-24	7ACEL1806
3 WELLZONE 4V-5S	Check up to 4 zones with 5 outputs	DDT 24-60	7ACEL1807
4 WELLZONE 5V	Check up to 5 zones	DDT 24-60	7ACEL1808
5 WELLZONE 6V	Check up to 6 zones	DDT 24-60	7ACEL1809

	1 WELLZONE 3V	2 WELLZONE 4V	3 WELLZONE 4V-5S	4 WELLZONE 5V	5 WELLZONE 6V
Description	Quantity	Quantity	Quantity	Quantity	Quantity
Supply air plenum	1	1	1	1	1
Thermostat	3	4	4	5	6
Control system gateway	1	1	1	1	1
Servomotors	3	4	5	5	6
Return plenum	1	1	1	1	1
400x150 grille	1	2	2	2	3
250/200 reducer	-	-	2	2	1
250/160 reducer	-	-	-	-	3
400x150 plenum	1	2	2	2	3
300x150 grille	2	2	3	3	3
300x150 plenum	2	2	3	3	3
600x400 return grille	1	1	2	2	2
600x400 return plenum	1	1	2	2	2
10-m duct Ø160	2	2	3	3	3
10 m duct Ø200	2	3	4	4	5
10 m duct Ø250	1	1	2	2	2

## Option 2: Create your Wellzone

Adjust according to your needs by selecting the Wellzone pack of your choice (see table below).

The most economical solution

### CONTENTS OF A CONTROL SYSTEM PACK



Supply air plenum + Servomotors



Control system gateway



Thermostats

Reference	Description	Compatibility	Part number
PACK WZ 3V	A x 1 / B x 1 / C x 3	DDT 12-24	7ACEL1810
PACK WZ 4V	A x 1 / B x 1 / C x 4	DDT 12-24	7ACEL1811
PACK WZ 4V-5S	A x 1 / B x 1 / C x 4	DDT 24-60	7ACEL1812
PACK WZ 5V	A x 1 / B x 1 / C x 5	DDT 24-60	7ACEL1813
PACK WZ 6V	A x 1 / B x 1 / C x 6	DDT 24-60	7ACEL1814
PLENUM 3S 1100 DDT 12-24	Return plenum	DDT 12-24	7ACEL1822
PLENUM 4S 1050 DDT 12-24	Return plenum	DDT 12-24	7ACEL1823
PLENUM 6S 1500 DDT 12-60	Return plenum	DDT 12-60	7ACEL1824

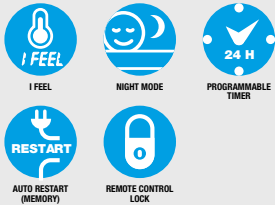


### + PRODUCTS

- Remote control included
- Adjustable motor louver
- Single & Three Phase models available

### FEATURES

#### USER FUNCTIONS:



#### INSTALLER FUNCTIONS:



#### THE + «USER»

- A solution adapted to large premises and communal areas
- Appliance controlled remotely using an infrared remote and/or directly on the unit

#### THE + «INSTALLER»

- Installation from ground level to facilitate handling during installation

#### THE + «TECHNOLOGY»

- Rapid cooling, thanks to effective air diffusion









## SFT TECHNICAL DATA

Indoor unit		AW-SFT024-N11	AW-SFT036-N11	AW-SFT048-N13	AW-SFT060-N13
Outdoor unit		AW-YSFT024-H11	AW-YSFT036-H11	AW-YSFT048-H13	AW-YSFT060-H13
Phase		Single phase	Single phase	Three phase	Three phase
<b>COOLING</b>					
Capacity	Btu/h	<b>24055</b>	<b>36700</b>	<b>44356</b>	<b>52886</b>
Power input	kW	2.34	3.34	4.17	4.98
Rated current	A	11.1	15.1	7.5	9.1
EER	(Btu/h/W)	10.28	11.00	10.64	10.62
Operating limits	°C	15 / 52 Dry Bulb			
<b>HEATING</b>					
Capacity	Btu/h	<b>25999</b>	<b>39069</b>	<b>46062</b>	<b>56298</b>
Power input	kW	2.15	3.1	3.7	4.83
Rated current	A	10.5	14.5	6.6	8.7
COP	(Btu/h/W)	12.09	12.60	12.45	11.66
Operating limits	°C	- 7 / 24 Dry Bulb			
<b>INDOOR UNIT</b>					
Sound pressure level to 1.5 m (LS/HS)	dB(A)	47/45/43	52/50/48	52/50/48	52/50/48
Sound power level	dB(A)	57/55/53	62/60/58	62/60/58	62/60/58
Airflow (LS/HS)	m³/h	950/1000	1600/2000	1550/1750	1800/2000
Dehumidification	l/h	2.33	3.46	4.62	5.52
Outline dimensions (WxHxD)	mm	500x1760x280	580x1870x380	580x1870x380	580x1870x380
Package dimensions (WxHxD)	mm	610x1890x410	690x2000x480	690x2000x480	690x2000x480
Net weight/Gross weight	kg	32/38	48.5/59	50/60	52/62
Part number		<b>7SP012286</b>	<b>7SP012276</b>	<b>7SP012288</b>	<b>7SP012289</b>
<b>OUTDOOR UNIT</b>					
Sound pressure level to 1 m	dB(A)	55	60	60	55
Sound power level	dB(A)	65	70	70	65
Airflow	m³/h	3150	4000	4000	4000
Compressor type		Rotary	Rotary	Rotary	Rotary
Outline dimensions (WxHxD)	mm	860x665x310	885x366x795	885x795x366	950x1050x340
Package dimensions (WxHxD)	mm	990x740x450	1050x500x890	1050x890x510	1110x460x1200
Net weight/Gross weight	kg	51/54	65/69	67/72	96/103
Part number		<b>7SP063110</b>	<b>7SP063128</b>	<b>7SP063112</b>	<b>7SP063113</b>
<b>POWER SUPPLY</b>					
Phase/Voltage/Frequency		1P/220-240V/50Hz	1P/220-240V/50Hz	3P/380-415V/50Hz	3P/380-415V/50Hz
Power supply side					
Power cable section	mm²	3x4.0	3x4.0	5x2.5	5x2.5
Fuse rating am (D curve)	A	20.00	30.00	16.00	16.00
Electrical connections	mm²	3x0.75+3x1.5+2x0.3	3x1.5+3x1.5+2x0.3	4x1.5	4x1.5
<b>PIPE LINE</b>					
Suction pipe diameter	inches	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	3/8"	3/8"	3/8"	3/8"
Max. length	m	30	30	50	50
Max. height	m	15	15	30	30
Refrigerant/GWP		<b>R410A/2088</b>	<b>R410A/2088</b>	<b>R410A/2088</b>	<b>R410A/2088</b>
Charge (5m)	kg	1.75	2.23	2.48	2.40

## COMBINATIONS

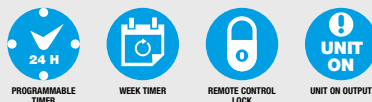
Indoor unit	Compatible with outdoor unit
Floor standing	Monosplit
<b>SFT 24-36</b> 	<b>YSFT 24-36</b> 
<b>SFT 48-60</b> 	<b>YSFT 48-60</b> 



### + PRODUCTS

- Remote control included
- Excellent COP
- No handling of refrigerant
- Operates using 100% fresh air
- Compact unit

### FEATURES



#### THE «SUSTAINABLE DEVELOPMENT»

→ High performance product with COP > 7

#### THE «USER»

→ Allows you to heat and cool your home without air conditioning

→ Operates using 100% fresh filtered air

#### THE «INSTALLER»

→ Simple to install, thanks to its monobloc system

→ This unit adapts to any type of home

#### THE «TECHNOLOGY»

→ Monobloc system

→ Inverter technology



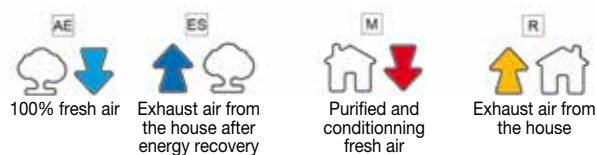
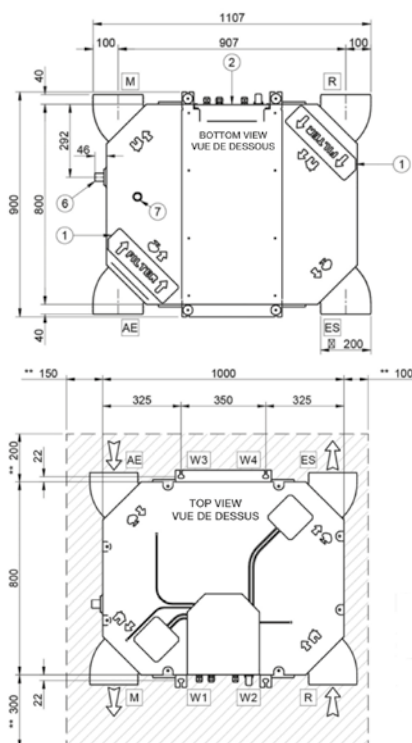
### AIRFLOW

- HIGH EFFICIENCY
- COP UNTIL 7
- MONOBLOC SOLUTION

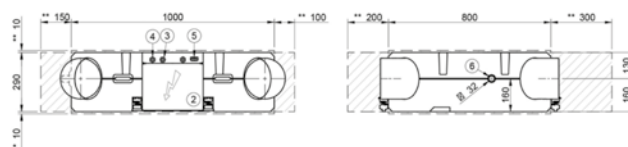
## AIRFLOW TECHNICAL DATA

Model		AW-AIRFLOW250-N91					
Part number		7HP080005					
Phase		Single phase					
Airflow	m³/h	125	150	210	270	350	
<b>HEATING MODE</b>							
Outdoor Air +7°C Supply Air 20°C	Heating capacity	kW	1.42	1.55	1.86	2.05	2.49
	Power input	kW	0.46	0.42	0.45	0.42	0.54
	<b>COP</b>		<b>3.09</b>	<b>3.69</b>	<b>4.13</b>	<b>4.93</b>	<b>4.61</b>
Outdoor Air -5°C Supply Air 20°C	Heating capacity	kW	1.97	2.10	2.21	2.37	2.45
	Power input	kW	0.40	0.52	0.47	0.37	0.32
	<b>COP</b>		<b>4.93</b>	<b>4.04</b>	<b>4.70</b>	<b>6.50</b>	<b>7.66</b>
<b>COOLING MODE</b>							
Outdoor Air 35°C Supply Air 27°C	Cooling capacity	kW	1.57	1.64	1.73	1.92	2.07
	Power input	kW	0.36	0.52	0.53	0.55	0.81
	<b>EER</b>		<b>4.34</b>	<b>3.15</b>	<b>3.26</b>	<b>3.50</b>	<b>2.56</b>
Outdoor Air 30°C Supply Air 27°C	Cooling capacity	kW	0.92	1.38	1.47	1.72	2.07
	Power input	kW	0.36	0.52	0.48	0.54	0.81
	<b>EER</b>		<b>2.56</b>	<b>2.65</b>	<b>3.06</b>	<b>3.21</b>	<b>2.77</b>
<b>PERFORMANCE</b>							
Static Pressure	Nominal	Pa	50	50	50	50	50
	Max.	Pa	120	120	120	120	120
Sound power level		dB(A)	47	48	50	54	58
Sound pressure level (1)		dB(A)	34	35	37	41	45
<b>OPERATING LIMITS</b>							
Outdoor temperature	Cooling	°C	16/45				
	Heating	°C	-15/28				
<b>POWER SUPPLY</b>							
Phase/Voltage/Frequency			1P/230V/50Hz				
Max. current	A		5				
<b>INSTALLATION &amp; OTHERS</b>							
Refrigerant	Type/GWP		<b>R32/675</b>				
	Charge	kg	0.3				
Outline dimensions (WxHxD)	mm	1107x290x900					
Package dimensions (WxHxD)	mm	1200x320x100					
Net weight/Gross weight	kg	44/73					

(1) The sound levels refer to the unit at full load, in the rated test conditions.



n°	Description
1	Removable panel for bottom to the air filter
2	Electrical panel
3	Power input
4	Keyboard connection
5	Auxiliary connection
6	Condensate drain connection
7	Emergency drain
W	Hanging brackets
AE	Fresh air intake
ES	Air exhaust
M	Ambient air distribution
R	Ambient air return







# VRF range





Available in  
tropicalised version

### + PRODUCTS

- DC Inverter scroll compressor
- Wide capacity range
- Wide temperature range (-23/+50 °C)
- Very small footprint: 0.97 m<sup>2</sup>



RWV06  
(optional)



RWV08  
(optional)

### FEATURES

#### TECHNOLOGY:



#### INSTALLER FUNCTIONS:



### THE «SUSTAINABLE DEVELOPMENT»

→ Low consumption and optimised regulation for greater energy savings

### THE «USER»

- Capacity range from 8 to 72 HP
- Large choice of indoor units

### THE «INSTALLER»

- Up to 1000 m of refrigeration network and 110 m of height difference
- Access to all parameters *via* the HMI for easier commissioning and maintenance

### THE «TECHNOLOGY»

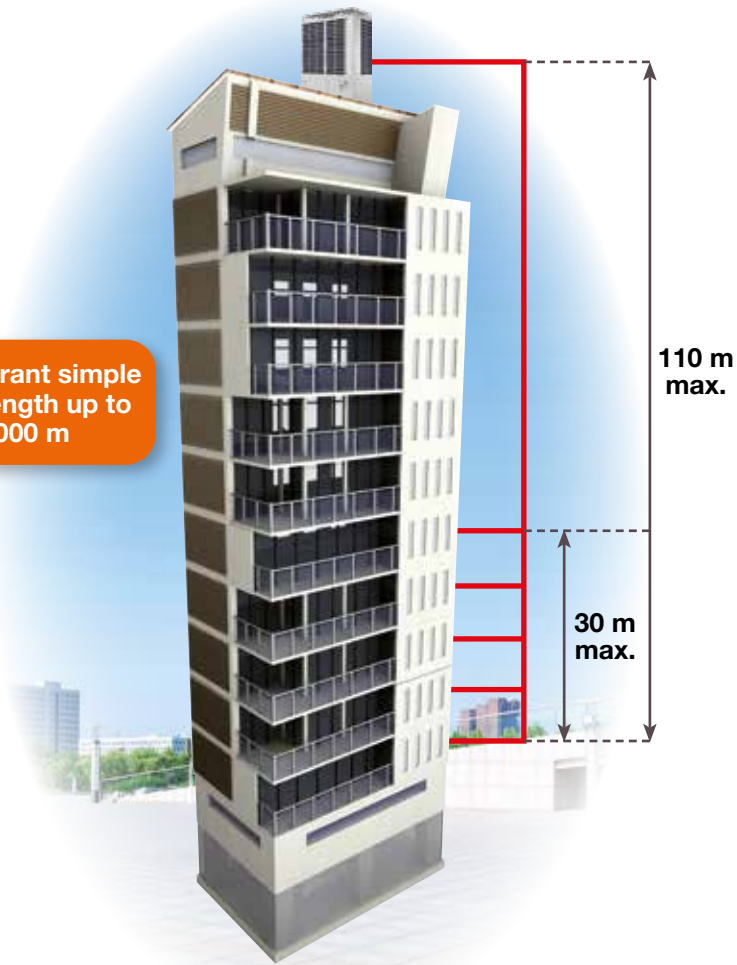
- Anti-corrosion treatment
- Up to 64 indoor units
- Performance certified by Eurovent

### ACCESSORIES

Accessory	Part number	Code	Photo	Function	Comment
Gather pipe kit for 2 outdoor groups	7ACFHH013	TBS20		Refrigerant gathering	For 2 outdoor groups
Gather pipe kit for 3 outdoor groups	7ACFHH014	TBS30		Refrigerant gathering	For 3 outdoor groups
Manifold pipe (gas + liquid)	7ACFHH001	TAU335		Refrigerant gathering	33.5 kW > Total IDU power
	7ACFHH002	TAU506		Refrigerant gathering	33.5 kW ≤ Total IDU power < 50.6 kW
	7ACFHH003	TAU730		Refrigerant gathering	50.6 kW ≤ Total IDU power < 73 kW
	7ACFHH004	TAU1350		Refrigerant gathering	73 kW ≤ Total IDU power < 135 kW
	7ACFHH015	TAU2040		Refrigerant gathering	135 kW ≤ Total IDU power
Central controller gateway and ModBus/RTU	7ACELH027	ADV05		RWV06 and RWV08 adaptor and ModBus/RTU gateway	
Maintenance tool	7ACELH014	TD02		Working parameters monitoring and recording tool	

**HIGH MODULARITY: LONG PIPE LENGTH, HIGH HEIGHT DROP**

Refrigerant simple pipe length up to 1000 m



- Floor area optimized for all the product range (same foot print for all modules: 0.97 m<sup>2</sup>)
- One of the smallest footprint on market

- Full DC Inverter
- 2 x Full DC Inverter



> 0.97 m<sup>2</sup>

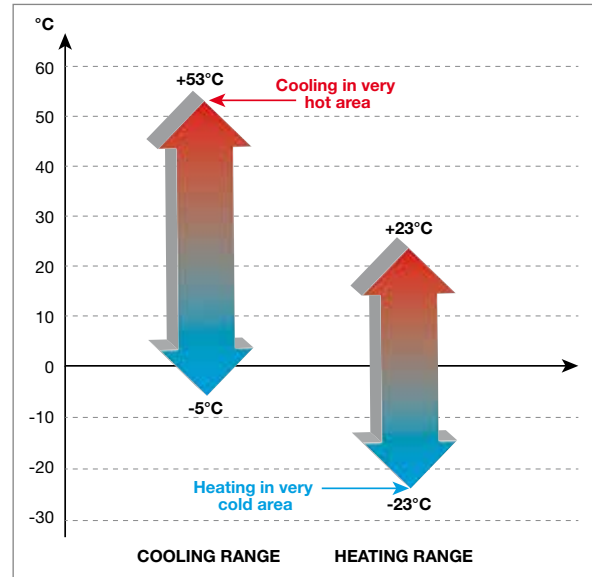


■ High static pressure outdoor unit:  
**82 Pa**, long air duct



**Hidden solution:**  
installation of  
outdoor unit in a  
technical room

■ Wide operation range



→ **Specific design:**

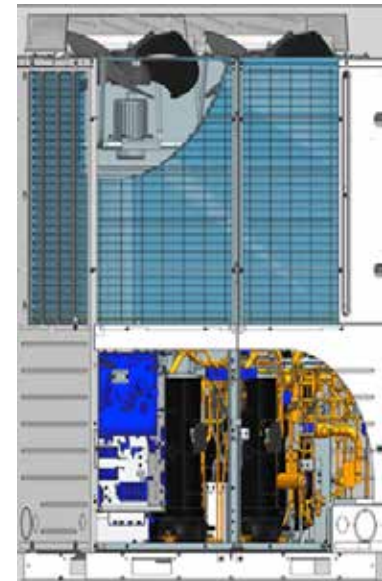
- Double EEV
- Two-piece condenser
- Independent electrical box

→ **Reliability/Maintenance:**

- Compressor double protection: two pressure sensors
- Double oil temperature sensor
- Large volume gas-liquid separator (26L) + liquid storage tank (10L)
- Two floor structure (no air bypass during maintenance): efficient measures

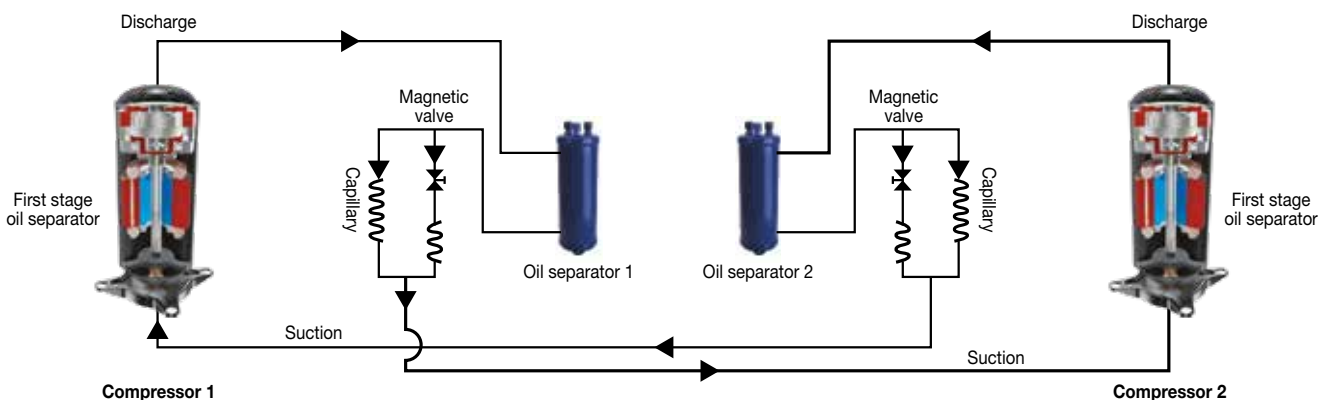
→ **Fan:**

- Optimized fan to reduce air vibration
- DC fan to optimize efficiency
- 82 Pa static pressure




■ Specific oil return

- Magnetic valve
- If the compressor operate at low frequency, oil return is only with capillary.
- If the compressor operate at higher frequency, PCB control magnetic valve to improve oil return.





## FLOWLOGIC III TECHNICAL DATA

Outdoor units		AW-YDV250HT-H16	AW-YDV280HT-H16	AW-YDV335HT-H16	AW-YDV400HT-H16	AW-YDV450HT-H16	AW-YDV504HT-H16	AW-YDV560HT-H16
Phase		Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase
Part number		7SP14H050	7SP14H051	7SP14H052	7SP14H053	7SP14H054	7SP14H055	7SP14H056
								
<b>RATED POWER</b>								
Cooling	kW	23.2	25.2	28.5	32.8	39.6	42.8	44.8
Heating	kW	27	33.5	37.8	45	50	58.5	63
<b>ELECTRICAL PARAMETERS</b>								
Phase/Tension/Frequency		3P/380-400V/50-60Hz/N						
Cooling rated power input	kW	7.02	8.66	9.76	11.45	13.26	15.25	16.96
Heating rated power input	kW	5.85	7.32	8.70	10.57	11.95	14.05	15.40
EER/COP		4.20/4.62	3.85/4.58	3.93/4.34	3.91/4.26	3.86/4.18	3.80/4.16	3.68/4.09
Max. current - Cooling	A	25.10	28.40	32.37	36.80	54.53	56.60	60.50
Max. current - Heating	A	19.00	25.20	27.90	33.26	38.00	42.30	47.40
<b>PERFORMANCE</b>								
Airflow (HS)	m³/h	15000	15000	15000	15600	16200	16200	16200
Sound pressure level (HS)	dB(A)	57	57	57	58	59	60	61
Sound power level (HS)	dB(A)	73	73	73	74	76	77	78
<b>INSTALLATION</b>								
External dimensions (WxHxD)	mm	1350×720×1690	1350×720×1690	1350×720×1690	1350×720×1690	1350×720×2048	1350×720×2048	1350×720×2048
Net weight/Gross weight	kg	269/305	269/305	275/311	323/359	380/426	380/426	380/426
Compressor type		Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter
External static pressure	Pa	82	82	82	82	82	82	82
Liquid pipe diameter	inches	9.52	12.7	12.7	12.7	15.88	15.88	15.88
Suction pipe diameter	inches	22.22	25.4	28.58	28.58	28.58	28.58	28.58
Max. pipe length	m	1000	1000	1000	1000	1000	1000	1000
Max. height between indoor and outdoor units*	m	50/40	50/40	50/40	50/40	50/40	50/40	50/40
Max. height between indoor units	m	18	18	18	18	18	18	18
Maximum indoor units connectable	quantity	13	16	20	24	27	30	33
<b>OPERATING LIMITS</b>								
Cooling	°C	-5°/55° Dry bulb						
Heating	°C	-23°/18° Wet bulb						
<b>PIPE LINE</b>								
Refrigerant / GWP		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Charge	kg	9.7	9.7	10	10	10	10	10

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



### TECHNICAL DATA FOR TWO COMBINATIONS

Outdoor units	AW-YDV615HT-H16	AW-YDV680HT-H16	AW-YDV735HT-H16	AW-YDV800HT-H16	AW-YDV850HT-H16	AW-YDV904HT-H16	AW-YDV950HT-H16	AW-YDV1010HT-H16	AW-YDV1064HT-H16	AW-YDV1120HT-H16
Phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase
Part number	AW-YDV280HT-H16	AW-YDV280HT-H16	AW-YDV335HT-H16	AW-YDV400HT-H16	AW-YDV400HT-H16	AW-YDV400HT-H16	AW-YDV450HT-H16	AW-YDV504HT-H16	AW-YDV504HT-H16	AW-YDV560HT-H16
	AW-YDV280HT-H16	AW-YDV400HT-H16	AW-YDV400HT-H16	AW-YDV400HT-H16	AW-YDV450HT-H16	AW-YDV504HT-H16	AW-YDV504HT-H16	AW-YDV504HT-H16	AW-YDV560HT-H16	AW-YDV560HT-H16



#### RATED POWER

	kW	53.7	58.0	61.3	65.6	72.4	75.6	82.4	85.6	87.6	89.6
Cooling	kW	53.7	58.0	61.3	65.6	72.4	75.6	82.4	85.6	87.6	89.6
Heating	kW	71.3	78.5	82.8	90	95	103.5	108.5	117	121.5	126

#### ELECTRICAL PARAMETERS

Phase/Tension/Frequency	3P/380-400V/50-60Hz/N										
Cooling rated power input	kW	18.42	20.11	21.21	22.90	24.71	26.70	28.51	30.50	32.21	33.92
Heating rated power input	kW	16.02	17.89	19.27	21.14	22.52	24.62	26.00	28.10	29.45	30.80
EER/COP		3.89/4.45	3.89/4.39	3.92/4.30	3.91/4.26	3.88/4.22	3.85/4.20	3.83/4.17	3.80/4.16	3.74/4.13	3.68/4.09
Max. current - Cooling	A	60.77	65.20	69.17	73.60	91.33	93.40	111.13	113.20	117.10	121.00
Max. current - Heating	A	53.10	58.46	61.16	66.52	71.26	75.56	80.30	84.60	89.70	94.80

#### PERFORMANCE

Airflow (HS)	m³/h	30000	30600	30600	31200	31480	31480	32400	32400	32400	32400
Sound pressure level (HS)	dB(A)	60	60.5	60.5	61	61.5	62	62.5	63	63.5	65
Sound power level (HS)	dB(A)	77	78	78	78	79	79	80	80	81	83

#### INSTALLATION

External dimensions (WxHxD)	mm	(1350x720x1690) *2	(1350x720x1690) *2	(1350x720x1690) *2	1350x720x1690 +1350x720x2048	1350x720x1690 +1350x720x2048	1350x720x1690 +1350x720x2048	(1350x720x2048) *2	(1350x720x2048) *2	(1350x720x2048) *2	(1350x720x2048) *2
Net weight/Gross weight	kg	269/305 + 275/311	269/305 + 323/359	275/311 + 323/359	323/359 + 323/359	323/359 + 380/426	323/359 + 380/426	380/426 + 380/426	380/426 + 380/426	380/426 + 380/426	380/426 + 380/426
Compressor type		Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter
External static pressure	Pa	82	82	82	82	82	82	82	82	82	82
Liquid pipe diameter	inches	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
Suction pipe diameter	inches	31.8	31.8	31.8	31.8	38.1	38.1	38.1	38.1	38.1	38.1
Max. pipe length	m	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Max. height between indoor and outdoor units*	m	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40
Max. height between indoor units	m	18	18	18	18	18	18	18	18	18	18
Maximum indoor units connectable	quantity	36	40	43	46	50	53	57	60	64	64

#### OPERATING LIMITS

Cooling	°C	-5°/55° Dry bulb									
Heating	°C	-23°/18° Wet bulb									

#### PIPE LINE

Refrigerant / GWP		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Charge	kg	9.7+9.7	9.7+10	10+10	10+10	10+10	10+10	10+10	10+10	10+10	10+10

## TECHNICAL DATA FOR THREE COMBINATIONS

Outdoor units	AW-YDV 1200HT- H16	AW-YDV 1250HT- H16	AW-YDV 1300HT- H16	AW-YDV 1350HT- H16	AW-YDV 1408HT- H16	AW-YDV 1458HT- H16	AW-YDV 1512HT- H16	AW-YDV 1568HT- H16	AW-YDV 1624HT- H16	AW-YDV 1680HT- H16
Phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase
Part number	AW-YDV 400HT- H16	AW-YDV 400HT- H16	AW-YDV 400HT- H16	AW-YDV 400HT- H16	AW-YDV 400HT- H16	AW-YDV 400HT- H16	AW-YDV 450HT- H16	AW-YDV 504HT- H16	AW-YDV 504HT- H16	AW-YDV 560HT- H16
	AW-YDV 400HT- H16	AW-YDV 400HT- H16	AW-YDV 400HT- H16	AW-YDV 450HT- H16	AW-YDV 504HT- H16	AW-YDV 504HT- H16	AW-YDV 504HT- H16	AW-YDV 504HT- H16	AW-YDV 560HT- H16	AW-YDV 560HT- H16
	AW-YDV 400HT- H16	AW-YDV 450HT- H16	AW-YDV 504HT- H16	AW-YDV 504HT- H16	AW-YDV 504HT- H16	AW-YDV 504HT- H16	AW-YDV 504HT- H16	AW-YDV 560HT- H16	AW-YDV 560HT- H16	AW-YDV 560HT- H16



### RATED POWER

	kW	98.4	105.2	108.4	115.2	118.4	125.2	128.4	130.4	132.4	134.4
Cooling	kW	98.4	105.2	108.4	115.2	118.4	125.2	128.4	130.4	132.4	134.4
Heating	kW	135	140	148.5	153.5	162	167	175.5	180	184.5	189

### ELECTRICAL PARAMETERS

Phase/Tension/Frequency		3P/380-400V/50-60Hz/N									
Cooling rated power input	kW	34.35	37.07	38.53	39.96	41.95	43.76	45.75	47.46	49.17	50.88
Heating rated power input	kW	31.71	33.29	33.91	36.57	38.67	40.05	42.15	43.50	44.85	46.20
EER/COP		3.91/4.26	3.89/4.21	3.92/4.38	3.85/4.20	3.83/4.19	3.82/4.17	3.80/4.16	3.76/4.14	3.72/4.11	3.68/4.09
Max. current - Cooling	A	57.99	62.58	65.05	67.46	70.82	73.88	77.24	80.12	83.01	85.90
Max. current - Heating	A	99.77	105.86	111.56	113.56	117.86	122.60	126.90	132.00	137.10	142.20

### PERFORMANCE

Airflow (HS)	m³/h	46800	46800	46800	48000	48000	48000	48600	48600	48600	48600
Sound pressure level (HS)	dB(A)	63	63	63.5	64	64	64.5	65	65	65.5	66
Sound power level (HS)	dB(A)	81	81	82	82	82	83	83	83	84	84

### INSTALLATION

External dimensions (WxHxD)	mm	1350x720x2048 + (1350x720x1690)*3	1350x720x2048 + (1350x720x1690)*2	1350x720x2048 + (1350x720x1690)*2	(1350x720x2048)*2 + 1350x720x1690	(1350x720x2048)*2 + 1350x720x1690	(1350x720x2048)*3	(1350x720x2048)*3	(1350x720x2048)*3	(1350x720x2048)*3	(1350x720x2048)*3
Net weight/Gross weight	kg	323/359 + 323/359 + 323/359	323/359 + 323/359 + 380/426	323/359 + 323/359 + 380/426	323/359 + 380/426 + 380/426	323/359 + 380/426 + 380/426	380/426 + 380/426 + 380/426	380/426 + 380/426 + 380/426	380/426 + 380/426 + 380/426	380/426 + 380/426 + 380/426	380/426 + 380/426 + 380/426
Compressor type		Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter
External static pressure	Pa	82	82	82	82	82	82	82	82	82	82
Liquid pipe diameter	inches	19.05	19.05	19.05	19.05	19.05	19.05	19.05	22.22	22.22	22.22
Suction pipe diameter	inches	38.1	38.1	41.3	41.3	41.3	41.3	41.3	44.5	44.5	44.5
Max. pipe length	m	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Max. height between indoor and outdoor units*	m	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40
Max. height between indoor units	m	18	18	18	18	18	18	18	18	18	18
Maximum indoor units connectable	quantity	64	64	64	64	64	64	64	64	64	64

### OPERATING LIMITS

Cooling	°C	-5°/55° Dry bulb									
Heating	°C	-23°/18° Wet bulb									

### PIPE LINE

Refrigerant / GWP		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Charge	kg	10+10+10	10+10+10	10+10+10	10+10+10	10+10+10	10+10+10	10+10+10	10+10+10	10+10+10	10+10+10



# WATER FLOWLOGIC

## WATER CONDENSING VRF



### + PRODUCTS

- Water condensation
- Co-axial heat exchangers
- Compact design
- Quiet



RWV06 (optional)



RWV08 (optional)

### FEATURES

#### TECHNOLOGY:



DC INVERTER

#### INSTALLER FUNCTIONS:



SELF DIAGNOSTIC



BMS COMPATIBLE



SERVICE MONITOR TOOL

#### THE «SUSTAINABLE DEVELOPMENT»

- High energy efficiency (COP > 6)
- Energy recovery from water loops

#### THE «USER»

- 100 % indoor application
- Practical and discreet solution

#### THE «INSTALLER»

- Superimposed installation possible
- Up to 300 m of refrigeration network and 50 m height difference

#### THE «TECHNOLOGY»

- Up to 59 indoor units
- Outside temperature does not affect performance

### ACCESSORIES

Accessory	Part number	Code	Photo	Function	Comment
Gather pipe kit for 2 outdoor groups	7ACFHH013	TBS20		Refrigerant gathering	For 2 outdoor groups
Gather pipe kit for 3 outdoor groups	7ACFHH014	TBS30		Refrigerant gathering	For 3 outdoor groups
Manifold pipe (gas + liquid)	7ACFHH001	TAU335		Refrigerant gathering	33.5 kW > Total IDU power
	7ACFHH002	TAU506		Refrigerant gathering	33.5 kW ≤ Total IDU power < 50.6 kW
	7ACFHH003	TAU730		Refrigerant gathering	50.6 kW ≤ Total IDU power < 73 kW
	7ACFHH004	TAU1350		Refrigerant gathering	73 kW ≤ Total IDU power < 135 kW
	7ACFHH015	TAU2040		Refrigerant gathering	135 kW ≤ Total IDU power
Central controller gateway and ModBus/RTU	7ACELH027	ADV05		RWV06 and RWV08 adaptor and ModBus/RTU gateway	
Maintenance tool	7ACELH014	TD02		Working parameters monitoring and recording tool	



## WATER FLOWLOGIC TECHNICAL DATA

Outdoor unit		YWC220-H13	YWC280-H13	YWC335-H13	
Part number		7SP14H038	7SP14H039	7SP14H040	
<b>POWERS</b>					
Capacity range	HP	8	10	12	
Cooling capacity	kW	22.4	28	33.5	
Heating capacity	kW	25	31.5	37.5	
<b>ELECTRICAL PARAMETERS</b>					
Phase/Voltage/Frequency		3P/380-400V/50-60Hz	3P/380-400V/50-60Hz	3P/380-400V/50-60Hz	
Cooling	Rated power input	kW	4.50	6.00	7.70
	Max. power input	kW	13.00	15.00	17.00
	Rated current	A	7.20	9.60	12.32
	Max.current	A	20.79	23.99	27.19
Heating	Rated power input	kW	4.15	5.80	7.80
	Max. power input	kW	13.00	15.00	17.00
	Rated current	A	6.64	9.28	12.47
	Max.current	A	20.79	23.99	27.19
EER/COP			4.98/6.02	4.67/5.43	4.35/4.81
<b>PERFORMANCE</b>					
Water flow (HS)	m <sup>3</sup> /h	4.8	6	7.2	
Sound pressure level (HS)	dB(A)	50	51	53	
Sound power level (HS)	dB(A)	61	62	64	
<b>INSTALLATION</b>					
External dimensions (WxDxH)	mm	775x995x545	775x995x545	775x995x545	
Shipping dimensions (WxDxH)	mm	875x1182x655	875x1182x655	875x1182x655	
Net/Shipping weight	kg	172/183	172/183	172/183	
Compressor type		Scroll DCI	Scroll DCI	Scroll DCI	
<b>Refrigerant/GWP</b>		<b>R410A/2088</b>	<b>R410A/2088</b>	<b>R410A/2088</b>	
Refrigerant charge	kg	2	2	2	
Refrigerant liquid pipe	mm	3/8"	3/8"	1/2"	
Refrigerant gas pipe	mm	3/4"	7/8"	1"	
Oil equalization pipe	mm	3/8"	3/8"	3/8"	
Total pipe length	m	300	300	300	
Max. pipe length (equivalent/actual)	m	150/120	150/120	150/120	
Max. height between indoor and outdoor units (ODU up/down)	m	50/40	50/40	50/40	
<b>WATER SIDE</b>					
Inlet water connection pipe	mm	DN32	DN32	DN32	
Outlet water connection pipe	mm	DN32	DN32	DN32	
Pressure drop (inlet and outlet)	Kpa	35	50	70	
Connection type		inner grooved	inner grooved	inner grooved	
Max. system water pressure	Mpa	1.6	1.6	1.6	
Inlet water temperature range (cooling/heating)	°C	7°/45°	7°/45°	7°/45°	
<b>CONNECTION RATIO</b>					
Connectable indoor unit ratio	%	50-130	50-130	50-130	
Maximum number of indoor units	unit	13	16	19	



## + PRODUCTS

- RCV02 remote control included
- DC Inverter tangential fan
- Panel digital screen
- Integrated electronic expansion valve
- Dry contact available



RWW05  
(optional)

RWW03  
(optional)

RWW07  
(optional)

## FEATURES

### TECHNOLOGY:



ELECTRONIC  
EXPANSION VALVE

### USER FUNCTIONS:



I FEEL



PROGRAMMABLE  
TIMER



AUTO RESTART  
(MEMORY)

### INSTALLER FUNCTIONS:



ERROR CODE VIA  
INDOOR UNIT



DRY CONTACT  
ON/OFF

### THE « SUSTAINABLE DEVELOPMENT »

→ Energy savings (locking mode, setpoint limits)

### THE « USER »

→ Simple and elegant design

→ Silent operation

→ Multiple applications connectable using the dry contact: room card, presence detection

### THE « INSTALLER »

→ Thickness

### THE « TECHNOLOGY »

→ Optimal regulation thanks to its electronic expansion valve

## HBV TECHNICAL DATA

Indoor unit		AWSI- HBV007-N11	AWSI- HBV009-N11	AWSI- HBV012-N11	AWSI- HBV016-N11	AWSI- HBV018-N11	AWSI- HBV024-N11	AWSI- HBV030-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP02H019		7SP02H014	7SP02H020		7SP02H016	7SP02H018
<b>RATED POWER</b>								
Cooling	kBtu/h	7.5	9.5	12.3	15.3	19.1	24.2	30.7
	kW	<b>2.2</b>	<b>2.8</b>	<b>3.6</b>	<b>4.5</b>	<b>5.6</b>	<b>7.1</b>	<b>9</b>
Heating	kBtu/h	8.5	10.9	13.6	17.1	21.5	27.3	34.1
	kW	<b>2.5</b>	<b>3.2</b>	<b>4</b>	<b>5</b>	<b>6.3</b>	<b>8</b>	<b>10</b>
<b>ELECTRICAL PARAMETERS</b>								
Phase/Voltage/Frequency		1P/220-230V/50-60Hz						
<b>PERFORMANCE</b>								
Airflow (LS/MS/HS)	m <sup>3</sup> /h	420/480/550	470/530/600	500/560/630	650/720/800	720/800/920	800/920/1010	1400/1500/1600
Noise level (LS/MS/HS)	dB(A)	29/31/35	29/31/36	29/33/37	34/36/39	35/39/40	36/40/44	41/44/19
<b>INSTALLATION</b>								
External dimensions (WxHxD)	mm	855x280x200	855x280x200	855x280x200	1115x336x243	1115x336x243	1115x336x243	1115x336x243
Shipping dimensions (WxHxD)	mm	954x355x279	954x355x279	954x355x279	1206x418x342	1206x418x342	1206x418x342	1206x418x342
Net weight/Gross weight	kg	10.9/12.6	10.9/12.6	10.9/12.6	13/16.5	13/16.5	13/16.5	13/16.5
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"
Suction pipe diameter	inches	3/8"	3/8"	1/2"	1/2"	1/2"	5/8"	5/8"



### THE «SUSTAINABLE DEVELOPMENT»

→ Energy savings (locking mode, setpoint limits)

### THE «USER»

→ Air renewal by supply of fresh air

→ Multiple applications connectable using the dry contact: room card, presence detection

### THE «INSTALLER»

→ Easy integration into false ceilings thanks to its

→ Simple installation thanks to its integrated condensate pump

### THE «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve

### + PRODUCTS

- RWW05 remote control included
- Integrated condensate pump
- Fresh air inlet
- Integrated electronic expansion valve
- Dry contact available



RCV02  
(optional)



RWW03  
(optional)



RWW07  
(optional)

### CBV TECHNICAL DATA

Indoor unit		AWSI-CBV005-N11	AWSI-CBV007-N11	AWSI-CBV009-N11	AWSI-CBV012-N11	AWSI-CBV016-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP04H020	7SP04H038			7SP04H039
<b>RATED POWER</b>						
Cooling	kBtu/h	5.1	7.5	9.5	12.3	15.3
	kW	1.5	2.2	2.8	3.6	4.5
Heating	kBtu/h	5.8	8.5	10.9	13.6	17.1
	kW	1.7	2.5	3.2	4	5
<b>ELECTRICAL PARAMETERS</b>						
Phase/Voltage/Frequency		1P/220-230V/50-60Hz				
<b>PERFORMANCE</b>						
Airflow (LS/MS/HS)	m³/h	430/540/650	480/590/700	480/590/700	480/590/700	480/590/700
Noise level (LS/MS/HS)	dB(A)	28/29/31	29/30/32	29/30/32	29/30/32	29/30/33
<b>INSTALLATION</b>						
External dimensions (WxHxD)	mm	570x260x570	570x260x570	570x260x570	570x260x570	570x260x570
Shipping dimensions (WxHxD)	mm	718x380x680	718x380x680	718x380x680	718x380x680	718x380x680
Net weight/Gross weight	kg	16/19	16/19	16/19	19/22	19/22
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"	1/4"
Suction pipe diameter	inches	3/8"	3/8"	3/8"	1/2"	1/2"
<b>FRAME</b>						
Frame part number		7ACVFH001	7ACVFH001	7ACVFH001	7ACVFH001	7ACVFH001
External dimensions (WxHxD)	mm	700x60x700	700x60x700	700x60x700	700x60x700	700x60x700
Shipping dimensions (WxHxD)	mm	740x115x750	740x115x750	740x115x750	740x115x750	740x115x750
Net weight/Gross weight	kg	2.8/4.5	2.8/4.5	2.8/4.8	2.8/4.8	2.8/4.8

### FEATURES

#### TECHNOLOGY:



ELECTRONIC EXPANSION VALVE

#### AIR QUALITY / CLEAN:



FRESH AIR

#### USER FUNCTIONS:



I FEEL



24 H

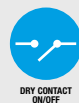


RESTART (MEMORY)

#### INSTALLER FUNCTIONS:



INTEGRATED WATER PUMP



DRY CONTACT ON/OFF



### + PRODUCTS

- RWW05 remote control included
- 360° air blowing
- Integrated condensate pump
- Extra-slim unit
- Fresh air inlet
- Dry contact available



RCV02  
(optional)



RWW03  
(optional)



RWW07  
(optional)

### FEATURES

#### TECHNOLOGY:



ELECTRONIC EXPANSION VALVE



MULTIFLOW 360°

#### AIR QUALITY / CLEAN:



FRESH AIR

#### USER FUNCTIONS:



I FEEL



PROGRAMMABLE TIMES



AUTO RESTART (DCMGRY)

#### INSTALLER FUNCTIONS:



INTEGRATED WATER PUMP



DRY CONTACT ON/OFF

### THE «SUSTAINABLE DEVELOPMENT»

→ Energy savings (locking mode, setpoint limits)

### THE «USER»

→ Optimal comfort with its 360° blown air output

→ Air renewal by supply of fresh air

→ Multiple applications connectable using the dry contact: room card, presence detection

### THE «INSTALLER»

→ Simple installation (180 mm high)

### THE «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve

### CFV TECHNICAL DATA

Indoor unit		AWSI-CFV016-N11	AWSI-CFV018-N11	AWSI-CFV024-N11	AWSI-CFV030-N11	AWSI-CFV038-N11	AWSI-CFV048-N11	AWSI-CFV060-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP04H035	7SP04H029	7SP04H036	7SP04H037	7SP04H037	7SP04H037	7SP04H037
<b>RATED POWER</b>								
Cooling	kBtu/h	15.3	19.1	24.2	30.7	38.2	47.7	54.6
	kW	4.5	5.6	7.1	9	11.2	14	16
Heating	kBtu/h	17.1	21.5	27.3	34.1	42.6	54.6	61.2
	kW	5	6.3	8	10	12.5	16	18
<b>ELECTRICAL PARAMETERS</b>								
Phase/Voltage/Frequency		1P/220-230V/50-60Hz						
<b>PERFORMANCE</b>								
Airflow (LS/MS/HS)	m <sup>3</sup> /h	620/810/1000	1000/1190/1380	1660/1670/2050	1660/1670/2050	1720/1910/2100	1720/1910/2100	1720/1910/2100
Noise level (LS/MS/HS)	dB(A)	29/30/33	31/34/35	31/35/37	31/35/37	36/40/44	36/40/44	36/40/44
<b>INSTALLATION</b>								
External dimensions (WxHxD)	mm	840x183x840	840x183x840	840x204x840	840x246x840	840x246x840	840x288x840	840x288x840
Shipping dimensions (WxHxD)	mm	983x268x983	983x268x983	983x290x983	983x331x983	983x331x983	983x373x983	983x373x983
Net weight/Gross weight	kg	28/31	28/31	29/32	34/37	34/37	35/38	35/38
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction pipe diameter	inches	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
<b>FRAME</b>								
Frame part number		7ACVFH003	7ACVFH003	7ACVFH003	7ACVFH003	7ACVFH003	7ACVFH003	7ACVFH003
External dimensions (WxHxD)	mm	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950
Shipping dimensions (WxHxD)	mm	1013x123x1025	1013x123x1025	1013x123x1025	1013x123x1025	1013x123x1025	1013x123x1025	1013x123x1025
Net weight/Gross weight	kg	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9





### THE + «SUSTAINABLE DEVELOPMENT»

→ Energy savings (locking mode, setpoint limits)

### THE + «USER»

- Air blowing distance up to 11m
- Horizontal and vertical airflow sweep
- Multiple applications connectable using the dry contact: room card, presence detection

### THE + «INSTALLER»

→ Horizontal or vertical installation

### THE + «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve

### + PRODUCTS

- RWW05 remote control included
- High airflow rate
- Extra-slim unit (199 mm)
- Integrated electronic expansion valve
- Dry contact available



RCV02  
(optional)



RWW03  
(optional)



RWW07  
(optional)

### FAV TECHNICAL DATA

Indoor unit		AWSI-FAV009-N11	AWSI-FAV012-N11	AWSI-FAV018-N11	AWSI-FAV024-N11	AWSI-FAV028-N11	AWSI-FAV030-N11	AWSI-FAV038-N11	AWSI-FAV048-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP02H007	7SP01H004	7SP02H011	7SP01H005	7SP01H005	7SP01H005	7SP01H006	7SP01H006
<b>RATED POWER</b>									
Cooling	kBtu/h	9.5	12.3	19.1	24.2	27.3	30.7	38.2	48
	kW	<b>2.8</b>	<b>3.6</b>	<b>5.6</b>	<b>7.1</b>	<b>8</b>	<b>9</b>	<b>11.2</b>	<b>14</b>
Heating	kBtu/h	10.9	13.6	21.5	27.3	30.7	34.1	42.6	55
	kW	<b>3.2</b>	<b>4</b>	<b>6.3</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>12.5</b>	<b>16</b>
<b>ELECTRICAL PARAMETERS</b>									
Phase/Voltage/Frequency		1P/220-230V/50-60Hz							
<b>PERFORMANCE</b>									
Airflow (LS/MS/HS)	m³/h	580/710/800	580/710/800	580/710/800	580/710/800	1610/1820/2040	1610/1820/2040	1610/1820/2040	1610/1820/2040
Noise level (LS/MS/HS)	dB(A)	33/35/38	33/35/38	35/37/40	35/37/40	38/40/43	38/40/43	38/42/46	38/42/46
<b>INSTALLATION</b>									
External dimensions (WxHxD)	mm	990x655x199	990x665x199	990x655x199	990x665x199	1580x700x240	1580x700x240	1580x700x240	1580x700x240
Shipping dimensions (WxHxD)	mm	1160x730x280	1160x730x280	1160x730x280	1160x730x280	1720x800x330	1720x800x330	1720x800x330	1720x800x330
Net weight/Gross weight	kg	28.3/34.3	28.3/36.4	28.3/36.4	28.3/36.4	50/57	50/57	54/61	54/61
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction pipe diameter	inches	3/8"	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"

### FEATURES

#### TECHNOLOGY:



ELECTRONIC EXPANSION VALVE

#### USER FUNCTIONS:



I FEEL



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)

#### INSTALLER FUNCTIONS:



DRY CONTACT ON/OFF



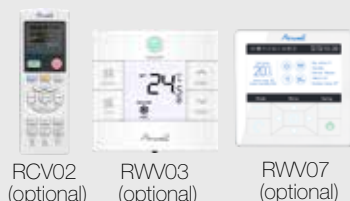
# DDV

## DUCTED LOW STATIC PRESSURE



### + PRODUCTS

- RWW05 remote control included
- Integrated condensate pump
- Extra-slim unit
- Fresh air supply
- Adjustable static pressure 0-30 Pa
- Dry contact available



RCV02 (optional) RWW03 (optional) RWW07 (optional)

### THE «SUSTAINABLE DEVELOPMENT»

→ Energy savings (locking mode, setpoint limits)

### THE «USER»

- Super quiet 21 dB
- Designer solution thanks to its motorised Thickness
- Directable airflow
- Air renewal by supply of fresh air
- Multiple applications connectable using the dry contact: room card, presence detection

### THE «INSTALLER»

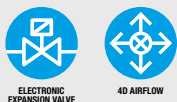
→ Simple installation (185 mm high)

### THE «TECHNOLOGY»

- Optimal regulation thanks to its electronic expansion valve
- Front panel with digital display

### FEATURES

#### TECHNOLOGY:



#### AIR QUALITY / CLEAN:



#### USER FUNCTIONS:



#### INSTALLER FUNCTIONS:



### DDV TECHNICAL DATA

Indoor unit		AWSI-DDV007-N11	AWSI-DDV009-N11	AWSI-DDV012-N11	AWSI-DDV016-N11
Phase		Single phase	Single phase	Single phase	Single phase
Part number		7SP03H042		7SP03H027	7SP03H028
<b>RATED POWERS</b>					
Cooling	kBtu/h	7.5	9.5	12.3	15.3
	kW	<b>2.2</b>	<b>2.8</b>	<b>3.6</b>	<b>4.5</b>
Heating	kBtu/h	8.5	10.9	13.6	17.1
	kW	<b>2.5</b>	<b>3.2</b>	<b>4</b>	<b>5</b>
<b>ELECTRICAL PARAMETERS</b>					
Power supply	Ph/V/Hz	1P/220-230V/50-60Hz			
<b>PERFORMANCE</b>					
Airflow (LS/MS/HS)	m <sup>3</sup> /h	360/420/480	360/420/480	370/430/550	460/540/600
Noise level (LS/MS/HS)	dB(A)	21/24/27	21/24/27	25/28/30	27/30/33
<b>INSTALLATION</b>					
External dimensions (WxHxD)	mm	850x185x420	850x185x420	850x185x420	850x185x420
Shipping dimensions (WxHxD)	mm	1045x270x540	1045x270x540	1045x270x540	1045x270x540
Net weight/Gross weight	kg	17.5/22.5	17.5/22.5	17.5/22.5	18.5/23.5
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"
Suction pipe diameter	inches	3/8"	3/8"	1/2"	1/2"
External static pressure (standard/max)	Pa	0/30	0/30	0/30	0/30
Motorized panel and return air grill	Code	7ACVF0587	7ACVF0587	7ACVF0587	7ACVF0587



### THE + «SUSTAINABLE DEVELOPMENT»

→ Energy savings (locking mode, setpoint limits)

### THE + «USER»

→ Multiple applications connectable using the dry contact: room card, presence detection

→ Air renewal by supply of fresh air

### THE + «INSTALLER»

→ Ease of installation thanks to its small dimensions

→ Integrated condensate pump

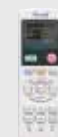
### THE + «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve

→ Adaptability to the ventilation network thanks to its adjustable static pressure

### + PRODUCTS

- RWW05 remote control included
- Integrated condensate pump
- Extra-slim unit 250 mm
- Fresh air supply
- Adjustable static pressure 50-100 Pa
- Dry contact available



RCV02  
(optional)



(REC01  
infrared  
receiver to  
combined  
with RCV02)



RWW03  
(optional)



RWW07  
(optional)

### DBV TECHNICAL DATA

Indoor unit		AWSI-DBV 018-N11	AWSI-DBV 024-N11	AWSI-DBV 028-N11	AWSI-DBV 030-N11	AWSI-DBV 038-N11	AWSI-DBV 048-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP03H035	7SP03H041	7SP03H038	7SP03H039	7SP03H040	
<b>RATED POWER</b>							
Cooling	kBtu/h	19.1	24.2	27.3	30.7	38.2	47.8
	<b>kW</b>	<b>5.6</b>	<b>7.1</b>	<b>8</b>	<b>9</b>	<b>11.2</b>	<b>14</b>
Heating	kBtu/h	21.5	27.3	30.7	34.1	44.3	55.6
	<b>kW</b>	<b>6.3</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>13</b>	<b>16.3</b>
<b>ELECTRICAL PARAMETERS</b>							
Phase/Voltage/Frequency		1P/230V/50-60Hz					
<b>PERFORMANCE</b>							
Airflow (LS/MS/HS)	m <sup>3</sup> /h	699/805/920	950/1090/1230	950/1090/1230	930/1180/1500	900/1300/1700	1250/1700/2000
Noise level (LS/MS/HS)	dB(A)	36/38/40	38/40/42	39/43/46	38/42/46	39/43/46	39/44/47
<b>INSTALLATION</b>							
External dimensions (WxHxD)	mm	1050x250x720	1050x250x720	1050x250x720	1100x248x700	1500x248x700	1500x248x700
Shipping dimensions (WxHxD)	mm	1170x340x860	1170x340x860	1170x340x860	1332x280x835	1698x305x857	1698x305x857
Net weight/Gross weight	kg	30,5/35,9	33,1/38,5	33,1/38,5	39,4/45,4	48,3/56,5	51,3/59,5
Liquid pipe diameter	inches	1/2"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction pipe diameter	inches	1/4"	5/8"	5/8"	5/8"	5/8"	5/8"
Static pressure	Pa	50	50	50	50	50	50
Max. static pressure	Pa	100	100	100	100	100	100

### FEATURES

#### TECHNOLOGY:



ELECTRONIC  
EXPANSION VALVE

#### AIR QUALITY / CLEAN:



FRESH AIR

#### USER FUNCTIONS:



I FEEL



SUPER  
QUIET



24 H  
PROGRAMMABLE  
TIMER



RESTART  
AUTO RESTART  
(MEMORY)

#### INSTALLER FUNCTIONS:



INTEGRATED WATER  
PUMP



DRY CONTACT  
ON/OFF



DCV 048



DCV 072-096

### + PRODUCTS

- RWW05 remote control included
- High static pressure and airflow
- High power 14 to 28kW
- Dry contact available



RCV02  
(optional)



RWW03  
(optional)



RWW07  
(optional)

### THE «SUSTAINABLE DEVELOPMENT»

→ Energy savings (locking mode, setpoint limits)

### THE «USER»

→ Static pressure up to 196 Pa to adapt to any type of ventilation network

### THE «INSTALLER»

→ Possible installation on textile duct

### THE «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve

→ Adaptability to the ventilation network thanks to its adjustable static pressure



### FEATURES

#### TECHNOLOGY:



ELECTRONIC EXPANSION VALVE

#### USER FUNCTIONS:



I FEEL



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)

#### INSTALLER FUNCTIONS:



DRY CONTACT ON/OFF

### DCV TECHNICAL DATA

Indoor unit		AWSI-DCV018-N11	AWSI-DCV024-N11	AWSI-DCV030-N11	AWSI-DCV038-N11	AWSI-DCV048-N11	AWSI-DCV072-N11	AWSI-DCV096-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP03H014	7SP03H015	7SP03H043			7SP03H044	
<b>RATED POWER</b>								
Cooling	kBtu/h	19.1	24.2	30.7	38.2	47.7	77.1	95.5
	kW	<b>5.6</b>	<b>7.1</b>	<b>9</b>	<b>11.2</b>	<b>14</b>	<b>22.6</b>	<b>28</b>
Heating	kBtu/h	21.5	27.3	34.1	42.6	54.6	85.3	108.5
	kW	<b>6.3</b>	<b>8</b>	<b>10</b>	<b>12.5</b>	<b>16</b>	<b>25</b>	<b>31.5</b>
<b>ELECTRICAL PARAMETERS</b>								
Phase/Voltage/Frequency		1P/220-230V/50-60Hz						
<b>PERFORMANCE</b>								
Airflow (LS/MS/HS)	m <sup>3</sup> /h	1089/1357/1500	1089/1357/1500	1133/1412/1560	1162/1448/1600	1525/1901/2100	2612/3255/4050	2612/3255/4050
Noise level (LS/MS/HS)	dB(A)	38/40/42	38/40/42	40/43/45	40/43/45	40/43/45	49/51/54	49/51/54
<b>INSTALLATION</b>								
External dimensions (WxHxD)	mm	975x360x906	975x360x906	1355x360x876	1355x360x876	1197x360x830	1570x360x880	1570x360x880
Shipping dimensions (WxHxD)	mm	1048x413x943	1048x413x943	1378x405x938	1378x405x938	1430x420x940	1800x525x1000	1800x525x1000
Net weight/Gross weight	kg	48/58	48/58	62/77	62/77	62/77	100/111	100/111
Liquid pipe diameter	inches	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction pipe diameter	inches	1/2"	5/8"	5/8"	5/8"	5/8"	1"	1"
External static pressure (standard)*	Pa	100	100	100	100	100	100	100

\* For complete external static pressure curves, contact us.





### THE + «SUSTAINABLE DEVELOPMENT»

→ Energy savings (locking mode, setpoint limits)

### THE + «USER»

- New simple and elegant design
- Super-quiet unit
- Upward and downward blowing for greater comfort
- Multiple applications connectable using the dry contact: room card, presence detection

### THE + «INSTALLER»

- Very compact
- Ideal solution for rooms with low ceilings

### THE + «TECHNOLOGY»

- Optimal regulation thanks to its electronic expansion valve

### + PRODUCTS

- RCV02 remote control included
- DC Inverter centrifugal fan
- Compact unit
- Bidirectional airflow
- Dry contact available



RWV05  
(optional)



RWV07  
(optional)

### FEATURES

#### TECHNOLOGY:



ELECTRONIC  
EXPANSION VALVE

#### USER FUNCTIONS:



I FEEL



SUPER QUIET



PROGRAMMABLE  
TIMER



AUTO RESTART  
(MEMORY)

#### INSTALLER FUNCTIONS:



DRY CONTACT  
ON/OFF

EAV TECHNICAL DATA				
Indoor unit		AW-EAV009-N11	AW-EAV012-N11	AW-EAV018-N11
Phase		Single phase	Single phase	Single phase
Part number		7SP07H000		
<b>RATED POWER</b>				
Cooling	kBtu/h	9.5	12.3	17
	kW	<b>2.8</b>	<b>3.6</b>	<b>5</b>
Heating	kBtu/h	10.9	13.6	18.5
	kW	<b>3.2</b>	<b>4</b>	<b>5.5</b>
<b>ELECTRICAL PARAMETERS</b>				
Phase/Voltage/Frequency		1P/230V/50-60Hz		
<b>PERFORMANCE</b>				
Airflow (VL/LS/MS/HS/VH)	m³/h	270/310/390/460/540	270/310/390/460/540	270/390/460/540/620
Noise level (VL/LS/MS/HS/VH)	dB(A)	32/35/39/42/45	34/38/41/44/47	35/39/42/45/48
<b>INSTALLATION</b>				
External dimensions (WxHxD)	mm	700x600x210	700x600x210	700x600x210
Shipping dimensions (WxHxD)	mm	783x695x303	783x695x303	783x695x303
Net weight/Gross weight	kg	15.2/18.7	15.2/18.7	15.2/18.7
Liquid pipe diameter	inches	1/2"	1/2"	1/2"
Suction pipe diameter	inches	1/4"	1/4"	1/4"

# AHU connection kit

Airwell offers a range of connection kits to connect VRF outdoor units to third party DX air handling units.

## SYSTEM APPLICATION

- Provides a solution for big space to cool down the supplied fresh air with VRF outdoor units to match the air handling units. Integrates all advantages of VRF and AHU units.
- EU legislation requires that every working place has to be supplied with a minimum of 25 m<sup>3</sup>/h/person of fresh air. So it means that every office, every shop and mostly every commercial building must have this solution in order to comply with the standard.



Buildings

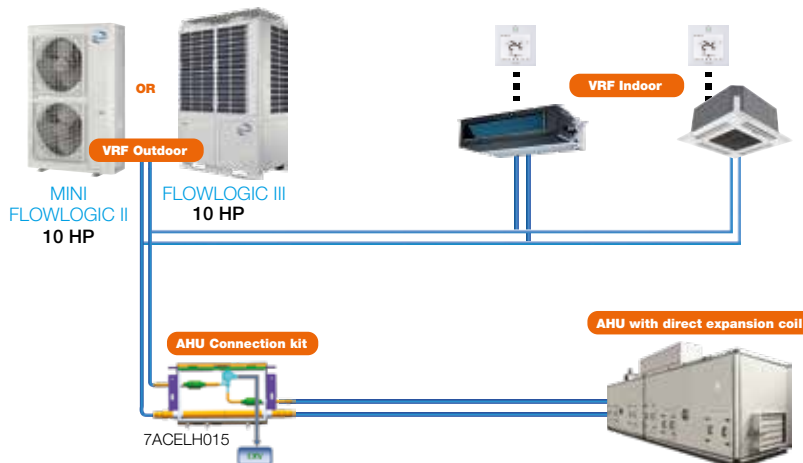


Shopping centres



Hospitals

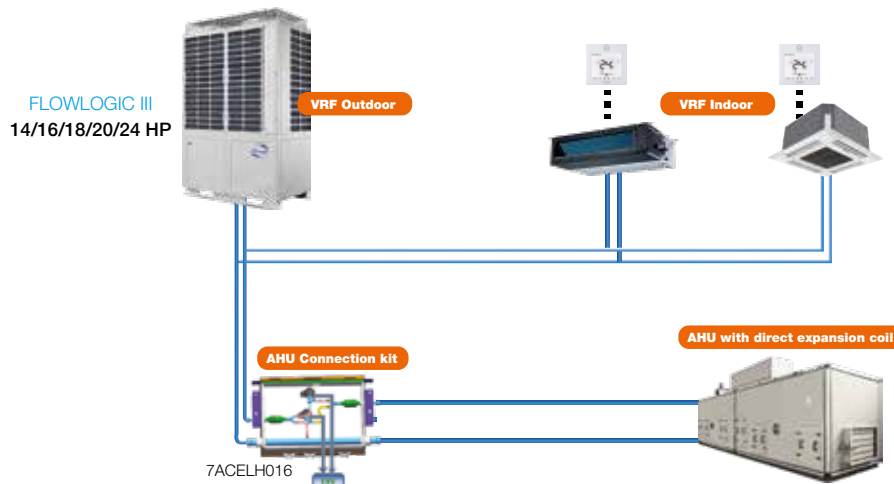
### ■ CONFIGURATION BETWEEN 14 AND 28 KW



5 HP (14 kW) < Connected AHU capacity ≤ 10 HP (28 kW)

AHU and direct expansion coil to be purchased through other supplier



### ■ CONFIGURATION BETWEEN 28 AND 56 KW



10 HP (28 kW) < Connected AHU capacity ≤ 20 HP (56 kW)

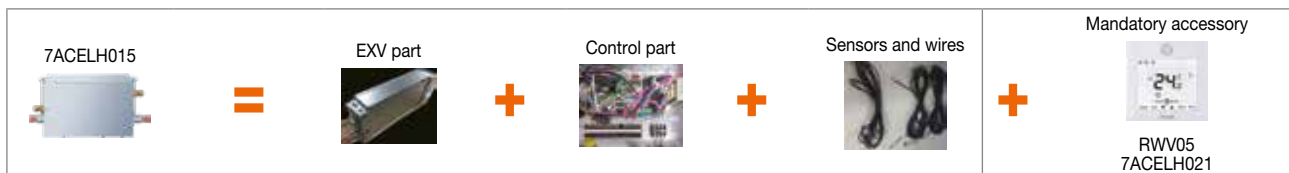
AHU and direct expansion coil to be purchased through other supplier

## VRF OUTDOOR LINE UP

Outdoor unit	MINI FLOWLOGIC II	FLOWLOGIC III
Model	8, 10, 12 HP	All range
		
Power supply	3P/380-400V/50Hz 3P/380-400V/60Hz	3P/380-400V/50Hz - 3P/380-400V/60Hz 3P/220V/60Hz - 3P/460V/60Hz
AHU kit	<b>7ACELH015</b> 5 HP (14kW) < Connected AHU capacity ≤ 10 HP (28kW)	<b>7ACELH016</b> 10 HP (28kW) < Connected AHU capacity ≤ 20 HP (56kW)

## AHU KIT CONFIGURATION

Airwell AHU connection kit consists in the following 4 parts:

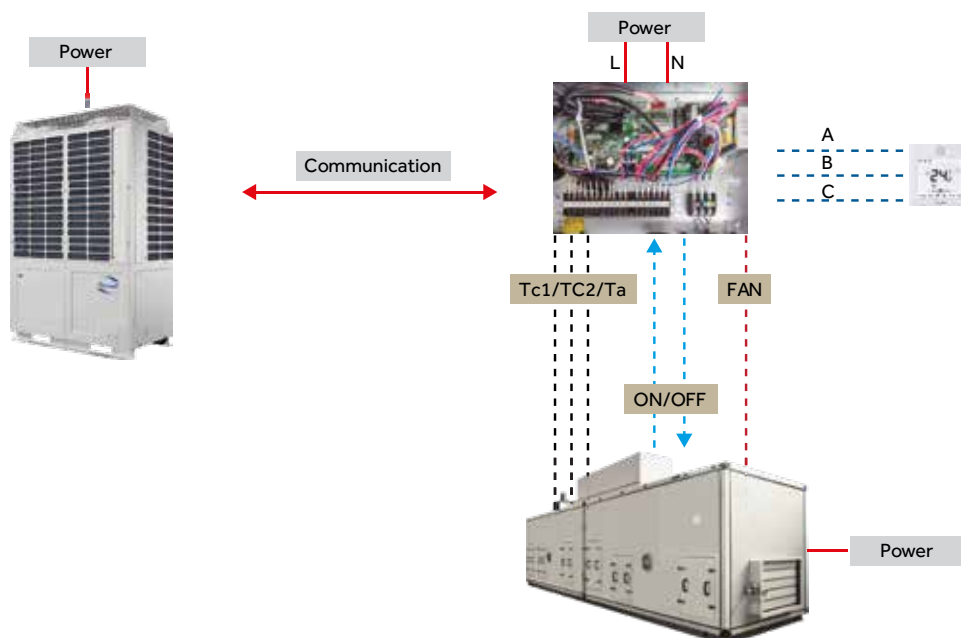


Different Valve ▼ Same Control Parts



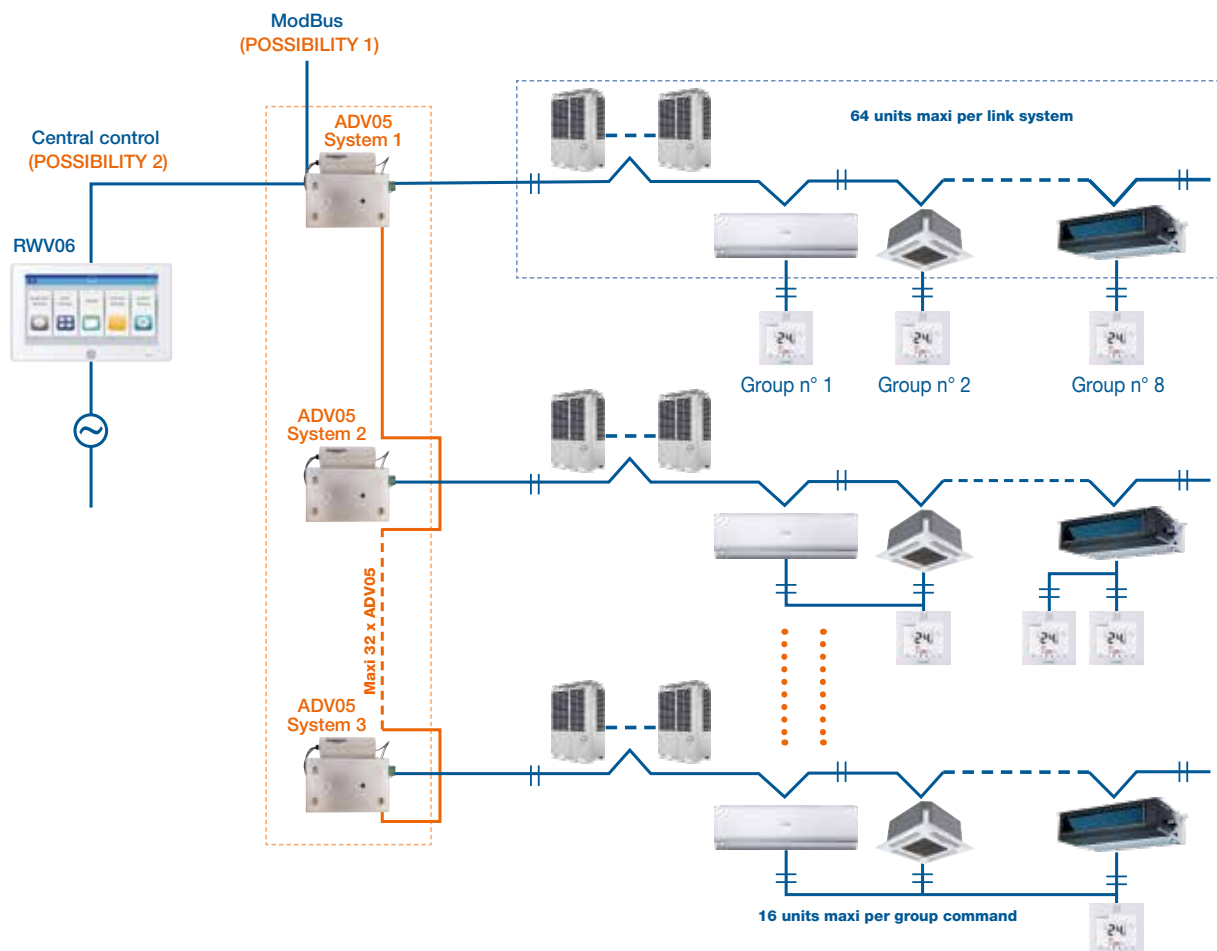
- EXV part, control part, sensor and wire are all integrated in one box.
- Controller need to be purchased separately.
- Temperature control *via* outlet air sensor on AHU.

## WIRING DIAGRAM



# Central control solutions with ADV05

## ONLY ONE GATEWAY: CENTRAL CONTROL OR MODBUS



## TOUCH SCREEN CENTRAL REMOTE CONTROL RWV06

This command allows you to control and monitor the status of indoor units:

- Modern design
- Intuitive and simple operation thanks to its 7" touch screen
- Controls until 64 indoor units by system and 256 indoor units by central control
- Can monitors until 32 systems thanks to 32 ADV05












The main functions are:

- Reading operating parameters
- Visualization of failure code
- Weekly time: mode, fan speed, temperature
- Sets LIFO (last enter have high priority)
- Creation and monitoring zones
- ModBus RS485 -+

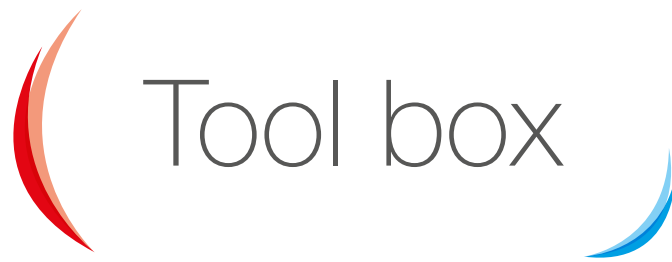
Part number RWV06: 7ACELH023

A series of 28 horizontal dotted lines for writing.



ACCESSORY NAME		Photo	Part number	Model
CONTROLLERS	INFRARED CONTROLLER		<b>7ACELH022</b>	<b>RCV02</b>
	INFRARED CONTROLLER RECEIVER		<b>7ACELH009</b>	<b>REC01</b>
	SIMPLIFIED CONTROLLER		<b>7ACELH032</b>	<b>RWV03</b>
	WIRED STANDARD CONTROLLER		<b>7ACELH021</b>	<b>RWV05</b>
	WIRED CONTROL WEEKLY TIMER		<b>7ACELH024</b>	<b>RWV07</b>
	MINI CENTRAL CONTROLLER		<b>7ACELH025</b>	<b>RWV08</b>
	CENTRAL CONTROLLER "TOUCH SCREEN"		<b>7ACELH023</b>	<b>RWV06</b>
BMS SOLUTIONS & MAINTENANCE	CENTRAL CONTROLLER GATEWAY AND MODBUS/RTU		<b>7ACELH027</b>	<b>ADV05</b>
	MAINTENANCE TOOL		<b>7ACELH014</b>	<b>TD02</b>

FUNCTION	FOR WHAT UNITS?	OPTION/COMMENT
On/Off, set temperature, auto scan, mode, individual control, timer.	All indoor units.	Standard with high wall and console, optional with cassette and ducted.
Realize infrared control.	Ducted	-
Unit operating and group control (max. 16 indoor units).	All indoor unit types (except for console).	-
Unit operating, group control (max. 16 indoor units) and "I Feel" function.	High wall, ducted, cassette, floor-ceiling.	Standard with cassette, ducted and floor-ceiling.
Single unit control, group control, max. 16 units, weekly timer, clock, mode cooling/heating/auto/airflow/dehumidification, temperature, fan speed, fan direction.	High wall, cassette, ducted, floor-ceiling.	-
32 indoor units max., individual control, group control, central control, weekly timer, error display.	Mini FlowLogic II FlowLogic III	ADV05 mandatory.
Central control, single unit control, group control, max. 256 units, weekly timer, clock, mode cooling/heating/auto/airflow/dehumidification, temperature, fan speed, fan direction.	Mini FlowLogic II FlowLogic III	ADV05 mandatory.
RWV06 and RWV08 adaptor and ModBus/RTU gateway.	Mini FlowLogic II FlowLogic III	-
Working parameters monitoring and recording tool.	Mini FlowLogic II FlowLogic III	-



# Tool box

## MEASURE UNITS CONVERSION

Length			
1 inch (in)	0.0254 m		
1 foot (ft)	12 inches	0.3048 m	
1 yard (yd)	3 feet	0.9143 m	
1 mile (mi)	1.760 yards	1609 m	
1 nautical mile (nmi)	1852 m		
1 meter (m)	39.37 inches	3.28084 feet	1.09361 yard

mm	Inches
6.35	1/4
9.52	3/8
12.70	1/2
15.88	5/8
19.05	3/4
22.22	7/8
25.40	1
28.58	1 <sup>1</sup> / <sub>8</sub>
31.75	1 <sup>1</sup> / <sub>4</sub>
38.10	1 <sup>1</sup> / <sub>2</sub>

Volume	
1 cubic inch (cu in)	16.387064 cm <sup>3</sup>
1 cubic foot (cu ft)	0.028317 m <sup>3</sup> /28.31685 dm <sup>3</sup>
1 cubic yard (cu yd)	0.76455 m <sup>3</sup>
1 pint	0.568 l
1 gallon-imp	4.546 l
1 gallon (US gal)	3.78541 l or dm <sup>3</sup>
1 cubic meter (m <sup>3</sup> )	35.31467 cu ft
1 cubic decimeter (dm <sup>3</sup> )	0.26428 gal
1 liter (l)	1 dm <sup>3</sup>

HP (horse power) *	Btu	kW
1	9000	2.637
1.5	12000	3.516
2	18000	5.274
2.5	24000	7.032
3	30000	8.79
5	45000	13.185

Mass volume	
1 cu.ft/lb	62.43 dm <sup>3</sup> /kg
1 US gallon/pound	8.3 dm <sup>3</sup> /kg

Density	
1 pound/cu.ft	0.016 kg/dm <sup>3</sup>

Mass		
1 ounce (oz)	28.349 g	
1 pound (lb)	16 oz	0.4536 kg
1 quintal U.S	100 lbs	
1 centweight	112 lbs	
1 short ton (US)	2000 lbs	907.18 kg
1 long ton (GB)	2240 lbs	1016.04 kg
1 quintal (q)	100 kg	
1 tonne (t)	1000 kg	

Area		
1 square inch (in <sup>2</sup> )	6.4516 cm <sup>2</sup>	
1 square foot (ft <sup>2</sup> )	0.0929 m <sup>2</sup>	
1 square yard (yd <sup>2</sup> )	0.8361 m <sup>2</sup>	
1 square meter (m <sup>2</sup> )	1550 in <sup>2</sup>	10.76391 ft <sup>2</sup>

Energy - Heat quantity		
1 cal	4.18 joules	
1 Btu	0.252 kcal	1055 joules
1 Btu/lb.°F	1 kcal/kg°C	
1 kcal	1 millithermie	
1 fg/h	-1 kcal/h	
1 kcal/h	1.163 W	
1 Btu/h	0.293 W	
1 ton (US)	3024 kcal/h	3512 W
1 ton (GB)	3340 kcal/h	3878 W
1 watt (thermic)	0.86 kcal/h	

- ° Fahrenheit = °C x 9/5 + 32
- ° Celsius = (°F-32) x 5/9
- ° Celsius = T (Kelvin) - 273.15
- \* Indicative values

Rated power of our products are given for air conditions as following:  
 Cooling mode: 35°C out/27°C in (Dry bulb)  
 Heating mode: +7°C out/20°C in (Dry bulb)

## CLASSIFICATION OF PRODUCTS

Discover below some tips to decrypt our references and product codes faster.

### 1. UNDERSTANDING PRODUCT REFERENCE

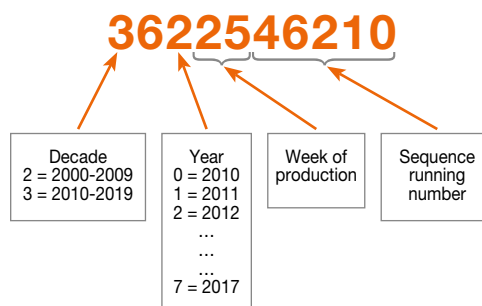
Brand	Type	Type	Technology	Capacity		Mode	Refrigerant fluid	Power supply								
				BTU	kW											
AW	AIRWELL	Y	Air outdoor unit	H	High wall	D	Inverter DC	007	7000	2,2	C	Cooling only	1	R410A	1	230-1-50
		None	Indoor unit	F	Floor-ceiling	F	Fixed speed	009	9000	2,5	H	Heat pump reversible	2	R407C	2	208/230-1-60
			D	Ducted	V	VRF	012	12000	3,5	N	None	3	R134A	3	400-3-50	
			C	Cassette	DF	Monosplit Flexy-match	015	15000	4			4	R290	4	460-3-60	
			X	Console	DZ	Multisplit	018	18000	5			9	R32	5	230-1-50/60	
			XA	Vertical air cabinet			021	21000	6					6	400-3-50/60	
			XO	Vertical water cabinet			024	24000	7,2					7	380-3-60	
			M	Portable unit			030	30000	8,2					8	575-3-60	
			W	Window			036	36000	10					9	230-3-50	
			S	Floor standing			043	43000	11							
			G	Water source			045	45000	12,5							
							047	47000	13,5							
							050	50000	15							
							055	55000	16							
						060	60000	17,5								

### 2. UNDERSTANDING PRODUCT PART NUMBER

DIGIT N°1	DIGIT N°2 & 3	DIGIT N° 4 & 5
7	AIRWELL product	
	SP	Split (2 units minimum)
	XU	Industrial
	CW	Water console
	MB	Portable unit
	HP	Heat pump
	WT	Window
	OG	Chiller unit
		01
		02
		03
		04
		05
		06
		07
		09
		10
		11
		12
		13
		14

### 3. UNDERSTANDING SERIAL NUMBER

Each unit (IDU or ODU) is also identify with a unique serial number which can assist tracing the unit.





A series of horizontal dotted lines for handwriting practice, spanning the width of the page.

## TECHNOLOGY



### FLEXY MATCH

Indoor units are compatible with monosplit or multisplit installation.



### DC INVERTER

Compressor with high efficiency DC engine.



### R410A FLUID

Refrigerant fluid R410A.



### R32 FLUID

Refrigerant fluid R32.



### R407C FLUID

Refrigerant fluid R407C.



### R290 FLUID

Refrigerant fluid R290.



### ELECTRONIC EXPANSION VALVE

Precise control of refrigerant flow, optimization of performance and compressor protection.



### 4D AIRFLOW

Heating and cooling operations are optimized with an automatic horizontal and vertical oscillation.



### MULTIFLOW 360°

Air distribution system with great comfort on 360° and 4 directions with motorized opening control.



### TWIN APPLICATION

An outdoor unit is connected to two similar indoor units.



### GOLDEN FIN CONDENSER

Improve heat transfer efficiency and corrosion resistance.

## AIR QUALITY/CLEAN



### NANO PHOTOCATALYTIC FILTER

Oxidizes and degrades organic contaminants. It can eliminate up to 99.9% of bacteria and can efficiently block dusts.



### AIR FILTER

Eliminates fine particles and purifies the air.



### AUTO CLEAN/DRY

Prevents development of bacteria and moistures keeping the heat exchanger dry after a cooling operation.



### FRESH AIR

Cools the room bringing fresh air from outside.

## USER FUNCTIONS



### I FEEL

Precise control of temperature all around the chosen zone via a remote temperature sensor.



### NIGHT MODE

Temperature in the room adjustment based on sleeping habits.



### QUIET MODE

Top design for the lowest sound level.



### REFRIGERANT LEAKAGE DETECT

Indicates a refrigerant leakage on indoor unit and stops the system for compressor protection.



### PROGRAMMABLE TIMER

Adjustable timer for power on and power off.



### AUTO RESTART (MEMORY)

Restarts automatically the unit in the last used mode when power is back.



### REMOTE CONTROL LOCK

Locks the remote functions to avoid unexpected actions.



### WIFI

Air conditioner controlled via mobile phone, tablet or computer through a wireless router and internet, thanks to AirNet application.



### REDUNDANCY FUNCTION

Product compatible with Airwell redundancy solution.

## INSTALLER FUNCTIONS



### ERROR CODE VIA INDOOR UNIT

Digital display of error codes or temperature settings on the indoor unit.



### SELF DIAGNOSTIC

Unit failure indication through a blinking led on the unit display.



### INTEGRATED WATER PUMP

Eliminates condensates for a simple and smooth use.



### LEFT/RIGHT DRAIN CONNECTION

Easy installation connecting condensates tubing either on left or right side.



### ALARM OUTPUT

Remote transmission of dysfunction errors.



### DRY CONTACT ON/OFF

Connection to an external presence detection with adjusted control of the unit and power saving when the room is empty.



### BMS COMPATIBLE

Connection to the BMS system via PCB adapter.



### SERVICE MONITOR TOOL

PC interface for monitoring and adjusting the settings of the unit.



### POWER CONSUMPTION CONTROL

Energy consumption control reducing the maximum power on the unit.



### OUTDOOR UNIT NIGHT MODE DRY CONTACT

Engine speed limitation and noise level reduction of the outdoor unit.



### OUTDOOR UNIT STAND-BY

Power on or power off of the outdoor unit from the remote.



### OUTDOOR UNIT ALARM OUTPUT

Transmission of an air output default alarm to a remote system.



### TECHNICIAN TEST MODE

Special mode optimizing the duration of intervention of the technician.



### HEATING ONLY MODE

The unit can be configured in heating only mode.







# Airwell

AIR CONDITIONING & HEATING

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