

A photograph of a modern city street scene. In the foreground, a curved glass skyscraper reflects the sky. In the background, several other tall buildings are visible, including one with a distinctive white facade and a grid of windows. A pedestrian bridge with a metal railing and support cables spans across the street. Several people are walking on the bridge. The sky is clear and blue. The overall atmosphere is bright and urban.

*Airwell*

*Just feel well*

**FLOWLOGIC  
VRF RANGE**

Variable Refrigerant Flow  
solutions



## LAURENT ROEGEL CEO AIRWELL GROUP

*Optimizing our energy consumption, promoting solar energy to preserve our natural resources, reinventing consumer practices, cultivating the comfort of every interior... many are thinking about it. At Airwell, we are committed to this for the well-being of all and the environment..*

*As early as 1947, when Airwell was founded, we have demonstrated our ability to anticipate, innovate, and offer solutions that provide better thermal comfort for all of our customers. This is why we understood very early on that we had to rethink our relationship with Energy.*

### *Just feel well*

*Tomorrow's world must be built around a single principle: Serenity. Energy solutions must be simple, intuitive in management and use, and completely reliable.*

### *Just feel green*

*They should allow a reduction in our energy consumption to reduce the ecological and economic impact of housing.*

### *Just feel smart*

*They have the obligation to integrate an artificial intelligence capable of creating Energy optimization and preventive maintenance scenarios.*

### **With Airwell, the revolution is underway.**

*A revolution so that each consumer gains in better living, so that the planet is spared and so that all of our distributors and installers, like you, have the best tools in response to the challenges of today and tomorrow.*

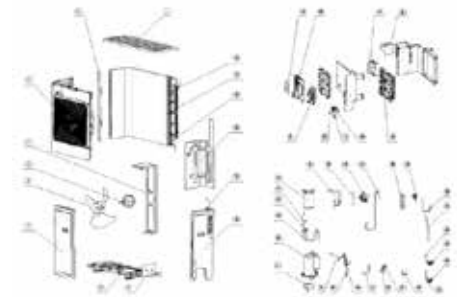
**And it's all done with you.** *As Airwell partners, you are guaranteed to be supported and trained in market developments so that you can provide your customers with innovative and competitive responses, tailored to their demands and our mission.*

*Just feel Well, feel Green, feel Smart with Airwell.  
Laurent Roegel, CEO Airwell Group*

# AIRWELL MAKES LIFE EASIER WITH DEDICATED SERVICES

## Our online services

- As an Airwell partner, connect to your Airwell Pro account from the site [www.airwell-pro.fr](http://www.airwell-pro.fr) and access multiple services. You can therefore consult our spare parts selection software and view the exploded views as well as the references of our products.
- Discover and download all the technical documentation you need via our documentary library accessible from our Pro site or directly via this link: <http://lh.airwell.com/>



## Technical support and projects

Do you need technical assistance in determining your parts, electrical diagrams or even fault codes? Our hotline based in France is ready to support you and answer all your problems.

### CONTACT OUR TECHNICAL EXPERTS

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

tel ■ **01 76 21 82 95**

■ Monday to Friday 8 am to 12:30 pm / 2 pm to 6 pm

### ORDER YOUR SPARE PARTS

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

*We want our customers to be satisfied with our services, which is why our teams constantly ensure the stock of our spare parts.*

Our interactive voice server (IVR) has been restructured in order to offer you more efficient and effective customer service. Responsiveness and professionalism for a level of service that we want exemplary.



## Training for tomorrow's jobs

e-mail ■ [airwell-academy@airwell.com](mailto:airwell-academy@airwell.com)  
web ■ [www.airwell-academy.fr](http://www.airwell-academy.fr)

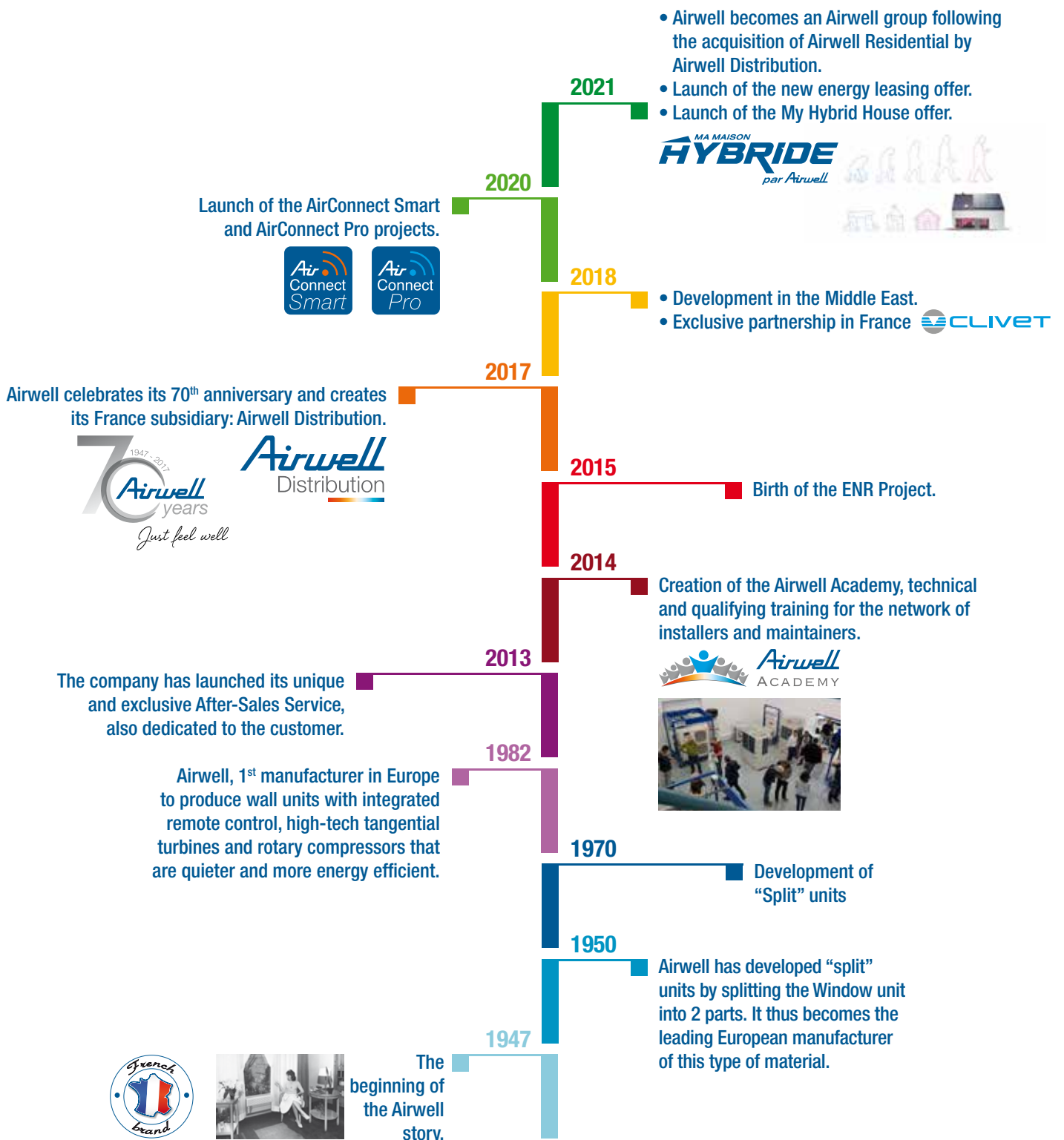
**New, take the time to take the virtual tour  
of our training center in France in Valence!**



# History

Your french expert

FOR 75 YEARS



MA MAISON  
**HYBRIDE**  
par Airwell



**Airwell**  
Distribution

**Airwell**  
ACADEMY







### OUR PRODUCTS

- Air/water range
- Air/air range
- Water condensing range
- Tertiary and industrial range
- Solar range

### OUR CERTIFICATIONS

- AIRWELL participates in the ECP programme for AC1. Check ongoing validity of certificate:

[www.eurovent-certification.com](http://www.eurovent-certification.com)



- Company meeting the **ISO 9001** standard



### IN FEW NUMBERS

- 1<sup>st</sup> manufacturer to produce the Window
- More than 75 years of experience
- Present in 80 countries
- More than 6,500 references in stock

## WHO ARE WE?

**A French brand of reference among professionals.**

French expert and creator of climate and thermal solutions for more than 70 years, Airwell's mission is to create and cultivate well-being. A vision for the future. Here is how the Airwell company was born in 1947. With this crazy idea of bringing from the United States innovative solutions that did not yet exist in Europe: air conditioning.

Today, innovation is more than ever at the heart of Airwell as we have become leaders in creating thermal and climate solutions. A deeply human innovation, listening to consumers. Like the family spirit that defines Airwell, based on benevolence, while respecting everyone's expectations.

Optimizing our energy consumption, favoring solar energy to preserve our natural resources, reinventing consumer practices to limit our environmental footprint, cultivating the comfort of every interior... At Airwell, we are committed to this for the well-being of all and of the environment.


What was for us only an ambition has become our mission.

## OUR ENGAGEMENTS

### SERVICE, OUR PRIORITY

- Design of unique solutions
- Our DNA: partnership
- Help in the realization of your projects
- Local and remote technical support

### FRENCH QUALITY AND EXPERTISE

- Historic French brand 
- Innovative and competitive solutions
- Wide range of products to adapt to each need.



# Smart control systems

INNOVATIONS

*Just feel smart*

APPS	Page
AirConnect Smart App	8
AirConnect Pro App	10





## CONTROL YOUR VRF SYSTEM FROM ANYWHERE

The FlowLogic VRF system can be remotely controlled by the intelligent WiFi module and controlled by the AirConnect application.



**2**  
Pair all your indoor units at once thanks to Airwell WiFi Bus Control technology.

**1**  
Control your Airwell VRF air conditioning system wherever you are, up to 4 VRF systems and 64 indoor units.

**3**  
Multi-site management: quick and easy to use for managing several sites equipped with Airwell VRF from your smartphone.

**4**  
Create your own regulation for greater comfort, maximum efficiency and energy savings with the automation and scenario platform.

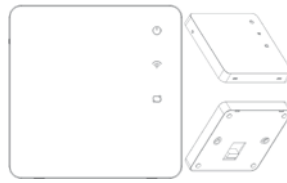
**5**  
Add a multitude of connected objects.

  
To download the application, it's simple: just scan the QR code.



Smart WiFi module

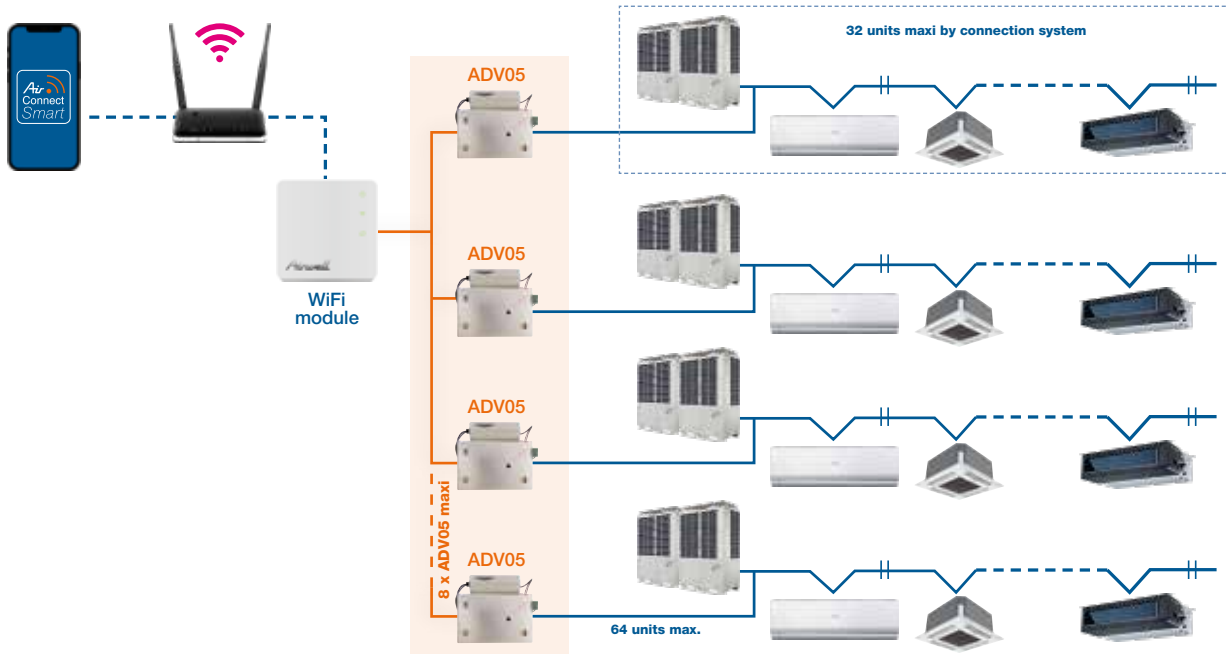
Part number 7ACEL1869



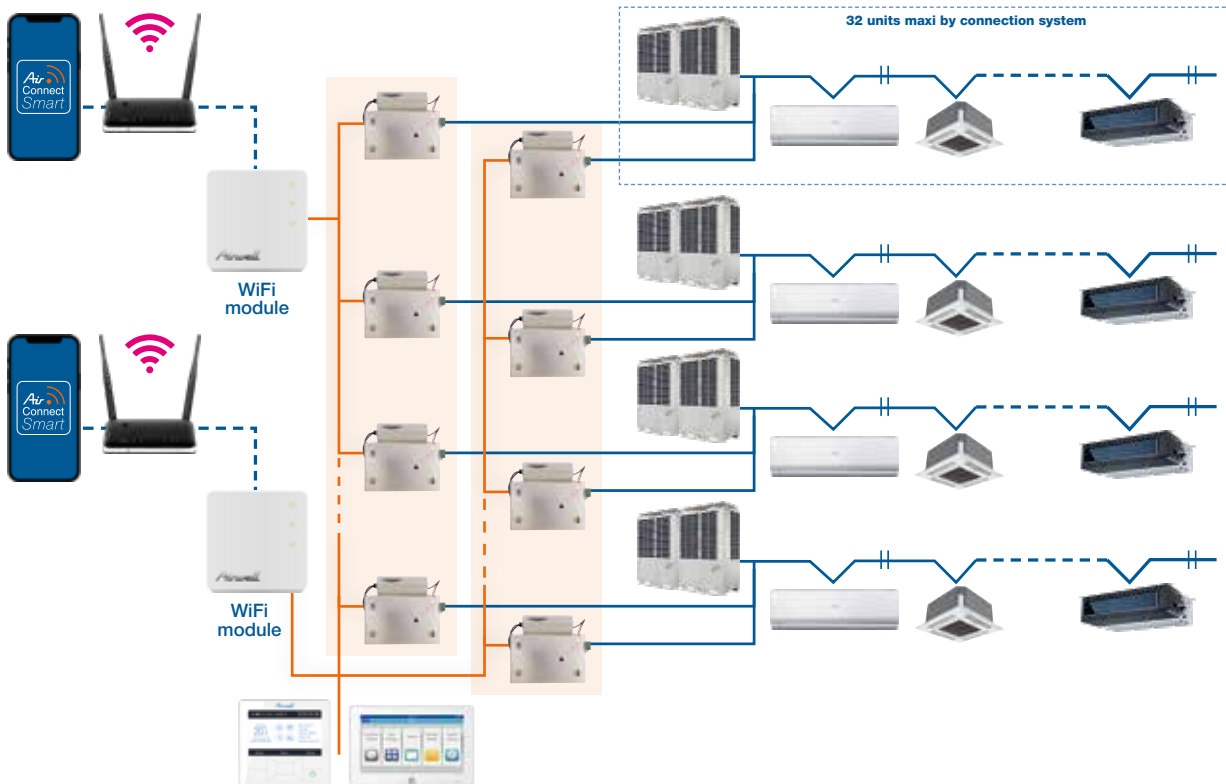
- Module dimension: 86x86x12 mm
- Compatible Models: Mini FlowLogic

## INSTALLATION METHOD

Thanks to **Airwell WiFi Bus Control**, a single pairing to connect all your indoor units.



→ The Airwell VRF can be associated with both the central controller (RWV06, RWV09) and the AirConnect Smart WiFi module.





## GLOBAL SOLUTION FOR THE **CONTROL** AND **PREVENTIVE MAINTENANCE** OF **VRF** INSTALLATIONS accessible on smartphone, tablet\* or computer

### Optimal thermal comfort

Entrust your thermal comfort to AirConnectPro, in order to be free from technical constraints and operational hazards.

### Visualization of your VRF fleet

View the settings of all your VRF spread across a city, region, country or around the world.

### History management

Access the complete operating history (fluidic and electrical) of each indoor and outdoor unit from the day of commissioning. Make comparisons between periods or between sites.

### Preventive maintenance

Easily create your anticipation rules to prevent any problems or unexpected shutdown of your systems.



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

### Alert management

Be alerted on any slightest drift! Alerts, anomalies can be sent directly to your technicians depending on the level of technicality or their geographical proximity.

### Creation of technical diagnostics

Carry out your technical diagnostics in no time and offer a technical service of unparalleled quality and speed, while optimizing the work of onsite technicians.



Download on the  
App Store



GET IT ON  
Google play

\* For the Control App.



**AIRCONNECT PRO IS A COMPLETE SOLUTION THAT OFFERS 3 LEVELS OF SERVICE:**

- **Control App:** control of indoor units
- **Service App:** diagnostic and preventive maintenance
- **Management App:** site management, energy metering and optimization

<b>CONTROL APP</b> (control of indoor units)	<p><b>Unique solution for remote control of indoor units</b></p> <ul style="list-style-type: none"> <li>→ Management of modes, setpoint temperatures, fan speed.</li> <li>→ “Weekly schedule” programming without rule limitation.</li> <li>→ Control zones creation allowing energy savings.</li> </ul>
<b>SERVICE APP</b> (diagnosis and preventive maintenance)	<p><b>The ONLY preventive remote maintenance solution on the market: Prevent a breakdown before it happens!</b></p> <ul style="list-style-type: none"> <li>→ Remote visualization of all parameters of the installations.</li> <li>→ VRF and diagnosis in one click.</li> <li>→ Recording of all the data allowing a complete history of history of operation.</li> <li>→ Management and follow-up of alerts to designated technicians.</li> </ul>
<b>MANAGEMENT APP</b> (metering and energy optimization) (in développement)	<p><b>The most reliable and accurate energy metering solution on the market. Thanks to the Modbus MID meter, it allows the consumption distribution per indoor unit according to its operating parameters.</b></p> <ul style="list-style-type: none"> <li>→ Division of global consumption by indoor unit or by zone.</li> <li>→ Energy audit of the installation allowing energy savings.</li> <li>→ Comparison of consumptions by system or by site in order to optimize the operation of the machines and reduce energy costs.</li> </ul>

PRODUCT & SERVICE REFERENCES	1 <sup>st</sup> year pack	From the 2 <sup>nd</sup> year
AIRCONNECT PRO CLOUD BOX	<ul style="list-style-type: none"> <li>• Cloud Box AirConnect Pro</li> <li>• Lifetime CONTROL APP.</li> <li>• 1 year SERVICE APP license for the maintenance solution.</li> </ul>	<ul style="list-style-type: none"> <li>• Automatic renewal of the license of SERVICE APP.</li> <li>• In the event of termination of the SERVICE APP, the CONTROL APP application remains usable for life.</li> </ul>
LIFETIME CONTROL APP LICENSE PER CLOUD BOX	SO3299999	
SERVICE APP LICENSE PER SYSTEM & PER YEAR	SO30120xx	xx = system capacity



●..... **SIMPLE DATA COLLECTION WITH THE AIRCONNECT PRO CLOUD BOX**  
Up to 2 VRF systems and 128 indoor units managed by one AirConnect Pro Box.












# VRF range

## Outdoor groups

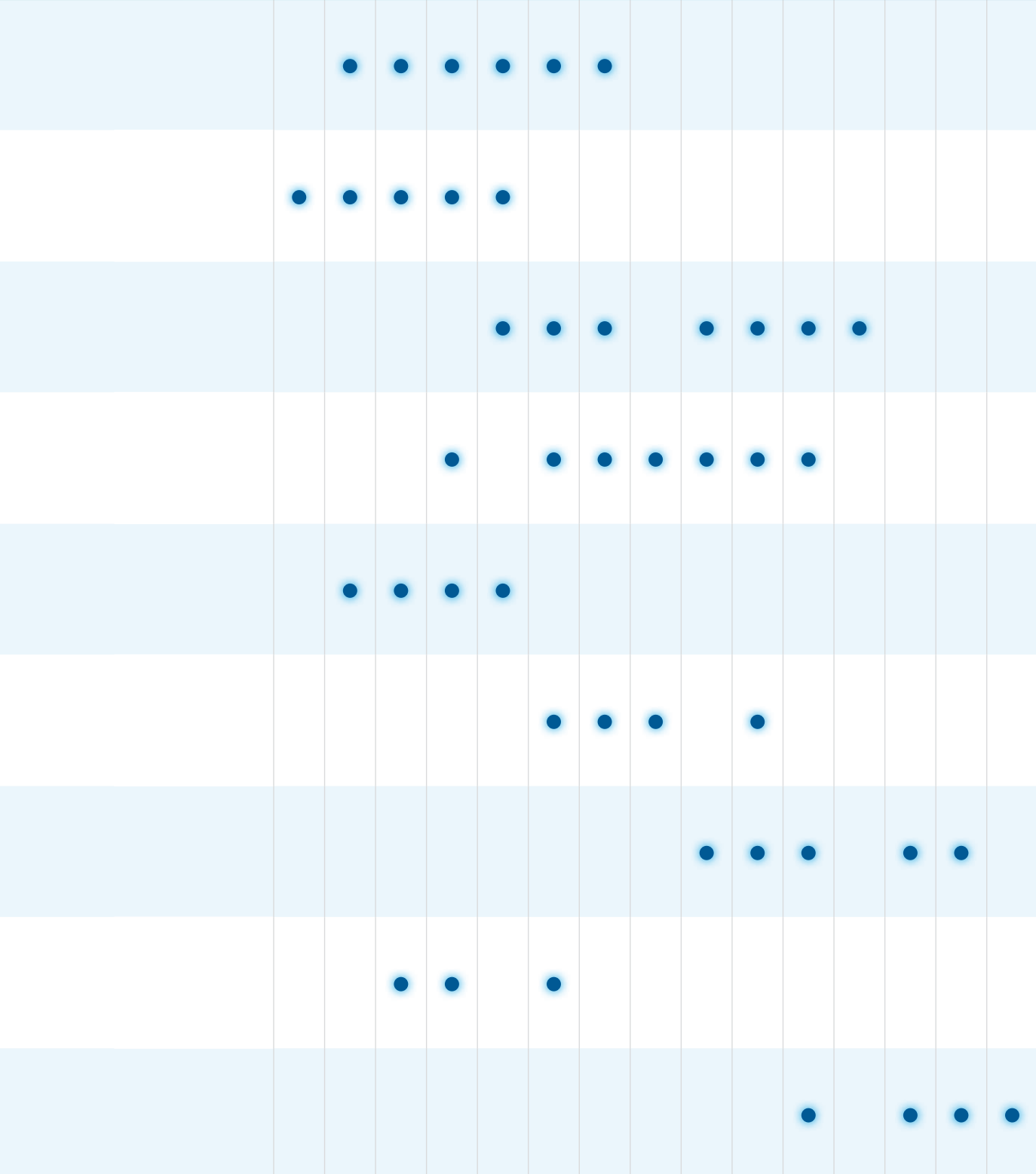
MODEL NAME		Fluid type	Page	Capacity (HP)	Cooling power (kW)	Heating power (kW)
MINI FLOWLOGIC IV	YCV080 	R410A	18	3	8	9.5
	YEVFD125			4	12.1	14.2
	YEVFD150 			5	15.5	18
	YEVFD220			8	22.6	25
	YEVFD280			10	28	32
	YEVFD335			12	31.5	35
FLOWLOGIC III	YDV400 	R410A	20	14	40	45
	YDV450			16	45	50
	YDV504 			18	50.4	56.5
	YDV560			20	56	63
	YDV680			24	68	73
WATER FLOWLOGIC	YWC220 	R410A	30	8	22.4	25.0
	YWC280			10	28	31.5
	YWC335			12	33.5	37.5



# VRF range Indoor units

MODEL NAME			Fluid type	Page
HIGH WALL	<b>HBV</b>		R410A	32
CASSETTE 600X600	<b>CBV</b>		R410A	33
360° CASSETTE	<b>CFV</b>		R410A	34
FLOOR CEILING	<b>FAV</b>		R410A	35
DUCTED LOW STATIC PRESSURE	<b>DDV</b>		R410A	36
DUCTED MEDIUM STATIC PRESSURE	<b>DBV</b>		R410A	37
DUCTED HIGH STATIC PRESSURE	<b>DCV</b>		R410A	38
CONSOLE	<b>EAV</b>		R410A	39
AHU CONNECTION KIT				40

Capacity (kBtu/h)	5	7	9	12	16	18	24	28	30	38	48	60	72	96	192
Capacity (HP)	0.5	0.75	1.25	1.5	1.75	2.25	3	3.5	3.75	4.75	6	7	9	12	24
Cooling (kW)	1.5	2.2	2.8	3.6	4.5	5.6	7.1	8	9	11.2	14	16	22.6	28	56
Heating (kW)	1.7	2.5	3.2	4	5	6.3	8	9	10	12.5	16	18	25	31.5	63



# Why choosing a VRF system?



## ■ One system for multiple applications



Shopping centers



Villas



Hostels



Offices

- Cooling down to -15°C outside (except size 8)
- All seasons
- Instant change of mode (heating/cooling)
- Scalable system
- All indoor unit types



HIGH WALL HBV



CASSETTE 600x600 CBV



CASSETTE 360° CFV



FLOOR CEILING FAV



DUCTED LOW STATIC PRESSURE DDV



DUCTED MEDIUM STATIC PRESSURE DBV



DUCTED HIGH STATIC PRESSURE DCV



CONSOLE EAV



AHU CONNECTION KIT

## ■ Easy installation

- Professional selection software
- Ideal solution for refurbishment (easy installation also in inhabited places)



## Why choosing an Airwell VRF system?

- Wide range of power: from 3 to 72 HP (from 8 to 204 kW)
- Silent system
- Compact solution: small footprint
- High performance: COP until 4.5
- Seasonal operating limits: - heating: 197%  
- cooling: 337%

→ Eurovent certified



## Powerfull system

### USE HIGH EFFICIENCY DC INVERTER SCROLL COMPRESSOR, HIGH EFFICIENCY, LOW NOISE

The Scroll compressor used in the Airwell FlowLogic III range of VRF has been selected for its energy efficiency and high reliability. The Scroll compressor's spiro-orbital rotation mechanism reduces frictional pressure drop and ensures optimum efficiency over the entire frequency range.



### HIGH EFFICIENCY DC FAN MOTOR

The speed of wide range DC fan motor can be adjusted from 0 to 1000 tr/min. Compared to conventional AC motors, a DC fan motor offers greater operating efficiency, especially during low speed rotation. The efficiency could be 90%.



### HEAT EXCHANGER ADOPTS THE SUBCOOLING TECHNOLOGY: HIGH EFFICIENCY

- The system is cooled with less refrigerant.
- Improve subcooling degree of refrigerant.
- Avoid energy loss due to refrigerant flash evaporating when it goes through PMV.
- W-model Ø8 inner grooved pipe.
- Hydrophilic aluminium coil fin, it will increase efficiency of heat exchange by 5%.

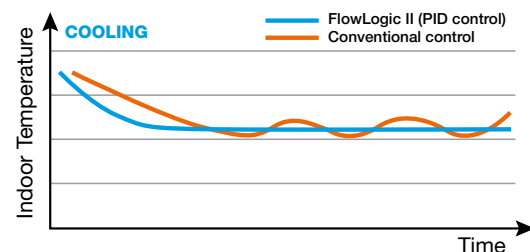
**Increase the efficiency of system**



- **Increase cooling power by 6%.**
- **Reduce refrigerant circulation amounts.**

### PRECISE CONTROL

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





VRF  
Outdoor units

# MINI FLOWLOGIC IV

## 2-PIPES - FRONT DISCHARGE



COMPATIBLE



### + PRODUCTS

- DC Inverter rotary compressor
- DC Inverter electric fan
- Integrated machine interface (HMI)
- Reduced dimension



RWV06  
(optional)



RWV09  
(optional)

### FEATURES

#### TECHNOLOGY:



DC INVERTER



BLUE FIN TREATMENT

#### INSTALLER FUNCTIONS:



SELF DIAGNOSTIC



BMS COMPATIBLE



SERVICE MONITOR TOOL

### CERTIFICATION

AIRWELL participates in the ECP programme for AC1.  
Check ongoing validity of certificate:  
[www.eurovent-certification.com](http://www.eurovent-certification.com)



\* models so marked are not Eurovent certified, except YCV080.

#### THE «SUSTAINABLE DEVELOPMENT»

→ Low consumption and optimized regulation for greater energy savings.

#### THE «USER»

- Mode locking.
- Centralised management.

#### THE «INSTALLER»

- Up to 300 m of refrigeration network and 50 m of height difference.
- Access to all parameters via the HMI for easier maintenance.

#### THE «TECHNOLOGY»

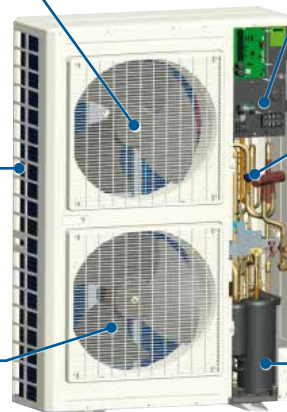
- Up to 16 indoor units, performance certified by Eurovent\* (8,10,12 HP).
- Airconnect Pro: remote maintenance and management option (see page 10).

**High efficiency DC fan motor:**  
DC fan motor with stepless inverter control, efficiency increased by 45% compared with AC motor and power input.

**High efficiency condenser:**  
Ø8 inner grooved pipe; hydrophilic corrugated fissure fin.

**Large diameter fan:**  
570 mm big diameter axial flow fan; zigzag design, reduce airflow disturbance, air volume is bigger, the noise is lower.

10-12 HP





**Vector inverter control:**  
180 degrees sine wave vector control, 64-bit operation; high precision control, to achieve high efficiency and lower noise.





**Double pressure sensor:**  
equipped with high and low voltage; pressure double sensors; accurate pressure control, the system runs more smoothly, and is more energy efficient.

**Twin rotary DCI compressor:**  
high chamber DC Inverter twin rotary compressor; small vibration, low noise, high energy efficiency.

## MINI FLOWLOGIC IV TECHNICAL DATA

Outdoor unit	AWAU-YCV 080-H11	AW-YEVFD 125-H15	AW-YEVFD 150-H15	AW-YEVFD 150-H16	AW-YEVFD 220-H16	AW-YEVFD 280-H16	AW-YEVFD 335-H16
Phase	Single phase	Single phase	Single phase	Three phase	Three phase	Three phase	Three phase
Part number	7SP14H045	7SP14H084	7SP14H085	7SP14H086	7SP14H088	7SP14H089	7SP14H090
							
<b>COOLING</b>							
Rated power	kW	<b>8</b>	<b>12.6</b>	<b>15.5</b>	<b>15.5</b>	<b>22.6</b>	<b>31.5</b>
EER		3.85	4.05	3.6	3.6	3.5	3.1
SEER		5.33	6.82	6.45	6.45	8.5	7.7
Rated power input	kW	2.08	3.11	4.31	4.31	6.46	10.16
Max. power input	kW	3.84	6.9	7.5	7.5	10.9	14.6
Seasonal operating limits	%	210.0	269.8	255.0	255.0	337.0	305.0
<b>HEATING</b>							
Rated power	kW	<b>9.5</b>	<b>14.2</b>	<b>18.0</b>	<b>18.0</b>	<b>22.6</b>	<b>31.5</b>
COP		4.52	4.47	4.1	4.1	3.9	3.7
SCOP		3.68	3.92	3.8	3.8	5	4.7
Rated power input	kW	2.1	3.2	4.4	4.4	5.79	8.51
Max. power input	kW	3.84	6.9	7.5	7.5	10.9	14.6
Seasonal operating limits	%	144	153.8	149.0	149.0	197.0	185.0
<b>POWER SUPPLY</b>							
Phase/Voltage/Frequency		1P/220-240/50Hz/N	1P/220-240/50-60Hz/N		3P/400V/50Hz/N		
Rated current	A	10.1	15.1	20.8	6.9	9.0	13.2
Max. current	A	19.2	32.7	35.5	11.9	18.0	22.6
<b>PERFORMANCE</b>							
Airflow (HS)	m³/h	3500	6500	6500	6500	10000	10000
Sound pressure level (HS)	dB(A)	54	57	59	59	63	65
Sound power level (HS)	dB(A)	65	68	70	70	76	78
<b>INSTALLATION</b>							
External dimensions (WxHxD)	mm	960x830x340	950x1340x370	950x1340x370	950x1340x370	1050x1636x400	1050x1636x400
Shipping dimensions (WxHxD)	mm	1095x945x410	1023x1420x471	1023x1420x471	1023x1420x471	1150x1790x510	1150x1790x510
Net weight/Gross weight	kg	70/76	115/123	115/123	115/123	149/168	149/168
Compressor type		Rotary	Rotary	Rotary	Rotary	Twin Rotary	Twin Rotary
Compressor number		1	1	1	1	1	1
Liquid pipe diameter	inches	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"
Suction pipe diameter	inches	5/8"	5/8"	5/8"	5/8"	3/4"	7/8"
Max. pipe length	m	100	300	300	300	300	300
Max. height between indoor and outdoor units*	m	30	50	50	50	50	50
Max. height between indoor and outdoor units (ODU up/down)	m	20/-	40/15	40/15	40/15	40/15	40/15
Power ratio indoor unit/outdoor unit (min./max.)	%		50/130	50/130	50/130	50/130	50/130
Maximum indoor units connectable	quantity	5	8	10	10	13	16
<b>OPERATING LIMITS</b>							
Cooling (min./max.)	°C	10/48	-15/48	-15/48	-15/48	-5/48	-5/48
Heating (min./max.)	°C	-15/21	-20/27	-20/27	-20/27	-20/27	-20/27
<b>PIPE LINE</b>							
Refrigerant/GWP		<b>R410A/2088</b>	<b>R410A/2088</b>	<b>R410A/2088</b>	<b>R410A/2088</b>	<b>R410A/2088</b>	<b>R410A/2088</b>
Charge (0 m)	kg	2.4	4.0	4.0	4.0	5.1	5.1

## ACCESSORIES

Accessory	Part number	Code	Picture	Function	Comment
Manifold pipe (gas + liquid)	7ACFHH001	TAU335		Refrigerant gathering	33.5 kW > Total indoor units power
	7ACFHH002	TAU506		Refrigerant gathering	33,5 kW ≤ Total indoor units power < 50.6 kW
Central controller gateway and ModBus/RTU	7ACELH027	ADV05		RWW06 and RWW08 adaptor and ModBus/RTU gateway	
Maintenance tool	7ACELH014	TD02		Working parameters monitoring and recording tool	
Smart WiFi module	7ACEL1869	-		Remote control by the smart WiFi module and controlled by the AirConnect Smart application	Module diimensions: 86x86x12 mm.





VRF  
Outdoor units

# FLOWLOGIC III

## 2-PIPES - TOP DISCHARGE



COMPATIBLE



### + 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)



RWV09  
(optional)

### FEATURES

#### TECHNOLOGY:



DC INVERTER



BLUE FIN TREATMENT

#### INSTALLER FUNCTIONS:



SELF DIAGNOSTIC



BMS COMPATIBLE



SERVICE MONITOR TOOL

### CERTIFICATION

AIRWELL participates in the ECP programme for AC1.  
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### THE «SUSTAINABLE DEVELOPMENT»

→ Low consumption and optimized regulation for greater energy savings.

### THE «USER»

→ Capacity range from 14 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.

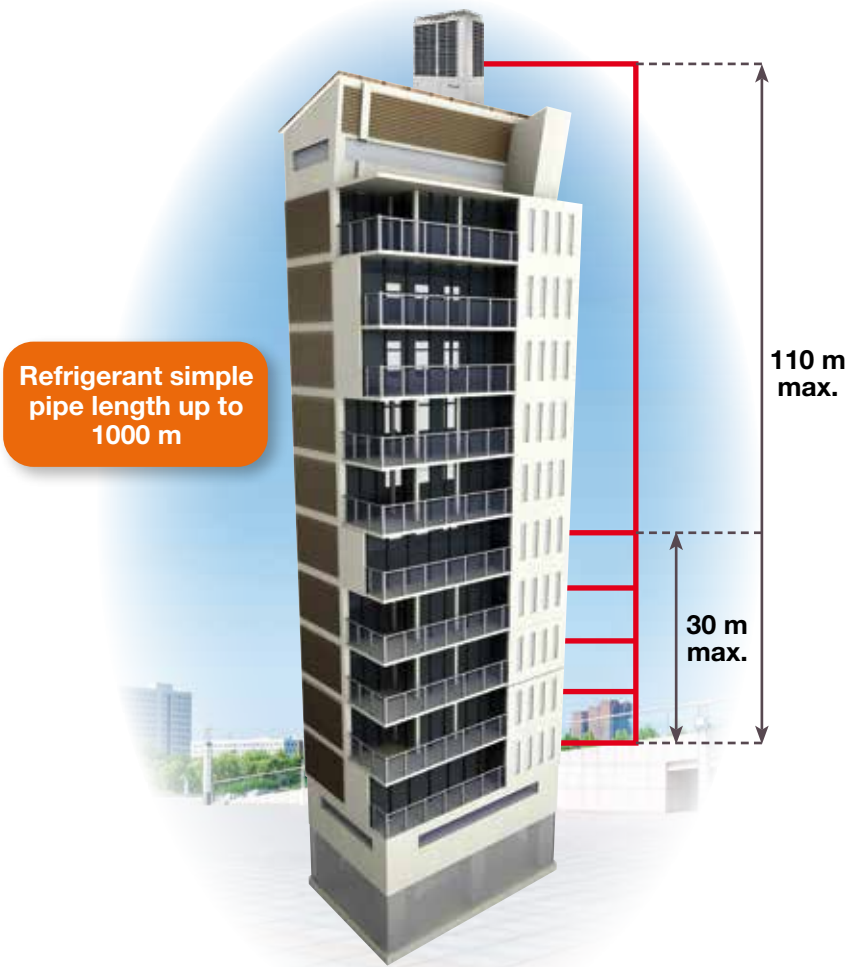
→ Performance certified by Eurovent.

→ Airconnect Pro: remote maintenance and management option (see page 10).

### ACCESSORIES

Accessory	Part nb.	Ref.	Picture	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	
Smart WiFi module	7ACEL1869	-		Remote control by the smart WiFi module and controlled by the AirConnect Smart application	Module dimensions: 86x86x12 mm.

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



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

- Full DC Inverter
- 2 x Full DC Inverter.



> 0.97 m<sup>2</sup>



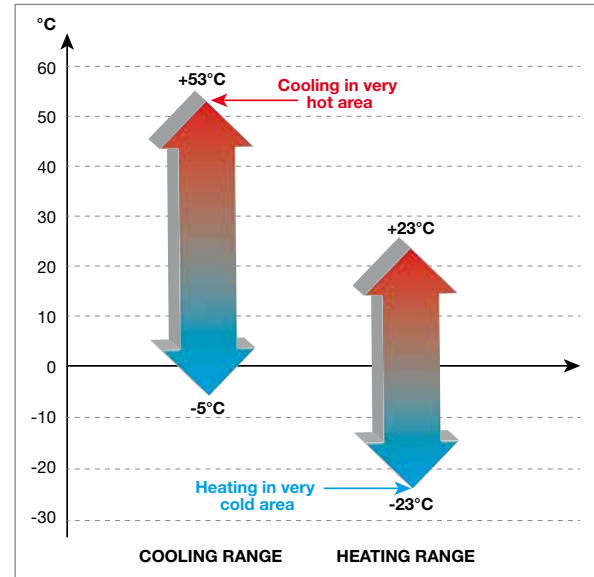


■ High static pressure outdoor unit:  
**82 Pa**, long air duct



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

■ Wide operation range



→ **Specific design:**

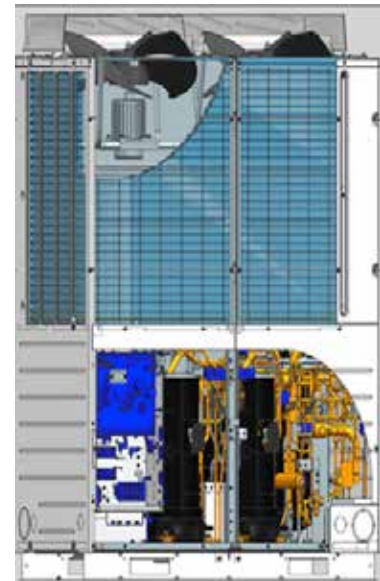
- Double EEV.
- Two-piece condenser.
- Independent electrical box.

→ **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.

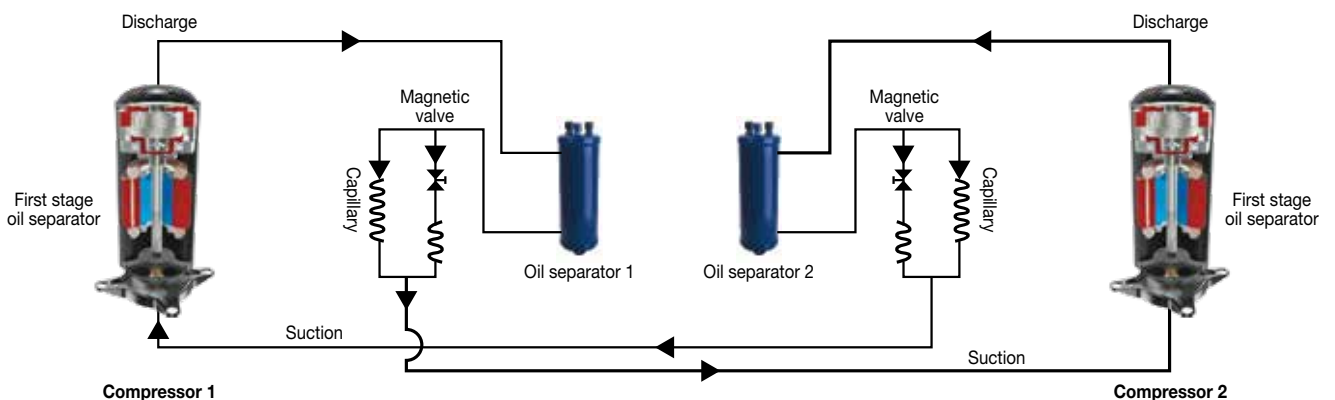
→ **Fan:**

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





■ **Specific oil return**

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





## FLOWLOGIC III TECHNICAL DATA

Outdoor unit		AWAU-YDV400-H13	AWAU-YDV450-H13	AWAU-YDV504-H13	AWAU-YDV560-H13	AWAU-YDV680-H13	
Part number		7SP14H032	7SP14H033	7SP14H034	7SP14H035	7SP14H037	
Phase		Three phase	Three phase	Three phase	Three phase	Three phase	
							
<b>POWER</b>							
Capacity range	HP	14	16	18	20	24	
Cooling	kW	40	45	50.4	56	68	
Heating	kW	45	50	56.5	63	73	
<b>ELECTRICAL PARAMETERS</b>							
Phase/Voltage/Frequency		3P/380-400V/50-60Hz/N					
Cooling	Rated power input	kW	10.26	11.90	13.62	15.56	19.71
	Max. power input	kW	16.91	22.68	22.10	25.19	37.47
	Rated current	A	16.94	19.66	22.50	25.69	32.55
	Max. current	A	28.40	36.80	36.15	41.10	60.45
Heating	Rated power input	kW	10.71	12.05	13.95	15.95	19.47
	Max. power input	kW	15.60	17.20	22.68	25.19	28.62
	Rated current	A	17.69	19.90	23.04	26.34	32.15
	Max. current	A	25.20	27.88	37.80	42.00	47.40
EER			3.90	3.78	3.70	3.60	3.45
SEER			6.44	5.97	6.12	5.91	5.65
Seasonal operating limits in cooling mode			255	236	242	233	223
COP			4.20	4.15	4.05	3.95	3.75
SCOP			4.69	4.15	4.21	4.15	3.81
Seasonal operating limits in heating mode			185	163	165	163	149
<b>PERFORMANCE</b>							
Airflow	Heating	m <sup>3</sup> /h	15000	15600	16200	16200	16200
	Cooling	m <sup>3</sup> /h	13200	14400	15000	15000	15000
Sound pressure level to 1 m		dB(A)	59.5	61	62	62	63
Sound power level		dB(A)	76	77	79	79	80
<b>INSTALLATION</b>							
Dimensions (WxHxD)		mm	1350x1690x720	1350x1690x720	1350x2048x720	1350x2048x720	1350x2048x720
Refrigerant/GWP			<b>R410A/2088</b>				
Refrigerant charge		kg	10	10	10	10	10
Net weight/Gross weight		kg	279/304	321/346	335/360	335/360	359/384
Compressor type			Scroll	Scroll	Scroll	Scroll	Scroll
Compressor number			1	1	1	1	1
Tubing	Liquid pipe diameter	inches	1/2"	1/2"	5/8"	5/8"	5/8"
	Suction pipe diameter	inches	1"	1"1/8	1"1/8	1"1/8	1"1/8
	Oil equalization pipe	inches	3/8"	3/8"	3/8"	3/8"	3/8"
	Max. pipe length	m	1000	1000	1000	1000	1000
Max. height between indoor and outdoor units (ODU up/down)		m	50/40	50/40	50/40	50/40	50/40
Max. height between indoor units		m	18	18	18	18	18
External static pressure		Pa	82	82	82	82	82
Environment temperature range	Cooling	°C	-5°/50°				
	Heating	°C	-23°/21°				
Maximum indoor units connectable		quantity	29	33	37	41	49



### TECHNICAL DATA FOR TWO COMBINATIONS

Outdoor unit	YDV735-H13	YDV800-H13	YDV850-H13	YDV904-H13	YDV950-H13	YDV1010-H13
Phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase
Combinations part number	YDV335 / 7SP14H031	YDV400 / 7SP14H032	YDV400 / 7SP14H032	YDV400 / 7SP14H032	YDV450 / 7SP14H033	YDV450 / 7SP14H033
	YDV400 / 7SP14H032	YDV400 / 7SP14H032	YDV450 / 7SP14H033	YDV504 / 7SP14H034	YDV504 / 7SP14H034	YDV560 / 7SP14H035



POWER							
Capacity range	HP	26	28	30	32	34	36
Cooling	kW	73.5	80	85	90.4	95.4	101
Heating	kW	82.5	90	95	101.5	106.5	113

ELECTRICAL PARAMETERS								
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N					
Cooling	Rated power input	kW	18.85	20.51	22.16	23.88	25.53	27.46
	Max. power input	kW	31.64	33.81	39.59	39.00	44.78	47.87
	Rated current	A	31.12	33.88	36.60	39.43	42.16	45.35
	Max. current	A	53.5	56.80	65.20	64.55	72.95	77.90
Heating	Rated power input	kW	19.44	21.43	22.76	24.66	26.00	28.00
	Max. power input	kW	29.28	31.20	32.80	38.28	39.88	42.39
	Rated current	A	32.10	35.39	37.59	40.73	42.94	46.24
	Max. current	A	47.3	50.40	53.08	63.00	65.68	69.88
EER		3.90	3.90	3.84	3.79	3.74	3.68	
COP		4.24	4.20	4.17	4.12	4.10	4.04	

PERFORMANCE								
Airflow	Heating	m³/h	30000	30000	30600	31200	31480	31800
	Cooling	m³/h	26400	26400	27600	28200	29400	29400
Sound pressure level to 1 m		dB(A)	62	62.5	63	64	64.5	64.5
Sound power level		dB(A)	79	80	80	81	82	82

INSTALLATION								
Dimensions (WxHxD)		mm	(1350x1690x720)x2	(1350x1690x720)x2	(1350x1690x720)x2	1350x1690x720 + 1350x2048x720	1350x1690x720 + 1350x2048x720	1350x1690x720 + 1350x2048x720
Refrigerant/GWP			<b>R410A/2088</b>					
Refrigerant charge		kg	10+10	10+10	10+10	10+10	10+10	10+10
Net weight/Gross weight		kg	276/301 + 279/304	279/304 + 279/304	279/304 + 321/346	321/346 + 335/360	321/346 + 335/360	321/346 + 335/360
Compressor type			Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Tubing	Liquid pipe diameter	inches	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	Suction pipe diameter	inches	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4
	Oil equalization pipe	inches	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
	Max. pipe length	m	1000	1000	1000	1000	1000	1000
Max. height between indoor and outdoor units (ODU up/down)		m	50/40	50/40	50/40	50/40	50/40	50/40
Max. height between indoor units		m	18	18	18	18	18	18
External static pressure		Pa	82	82	82	82	82	82
Environment temperature range	Cooling	°C	-5°/50°					
	Heating	°C	-23°/21°					
Maximum indoor units connectable		quantity	53	58	62	64	64	64

### TECHNICAL DATA FOR TWO COMBINATIONS

Outdoor unit	YDV1064-H13	YDV1120-H13	YDV1175-H13	YDV1240-H13	YDV1295-H13	YDV1360-H13
Phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase
Combinations part number	YDV504 / 7SP14H034	YDV560 / 7SP14H035	YDV560 / 7SP14H035	YDV560 / 7SP14H035	YDV615 / 7SP14H036	YDV680 / 7SP14H037
	YDV560 / 7SP14H035	YDV560 / 7SP14H035	YDV615 / 7SP14H036	YDV680 / 7SP14H037	YDV680 / 7SP14H037	YDV680 / 7SP14H037



POWER							
Capacity range	HP	38	40	42	44	46	48
Cooling	kW	106.4	112	117.5	124	129.5	136
Heating	kW	119.5	126	132	136	142	146

ELECTRICAL PARAMETERS								
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N					
Cooling	Rated power input	kW	29.18	31.11	33.13	35.27	37.28	39.42
	Max. power input	kW	47.28	50.37	55.75	62.66	68.03	74.94
	Rated current	A	48.19	51.38	54.71	58.24	61.57	65.10
	Max. current	A	77.25	82.20	90.75	101.55	110.1	120.90
Heating	Rated power input	kW	29.90	31.90	34.11	35.42	37.62	38.93
	Max. power input	kW	47.87	50.37	52.91	53.81	56.34	57.24
	Rated current	A	49.38	52.68	56.33	58.49	62.14	64.30
	Max. current	A	79.8	84.00	88.05	89.40	93.45	94.80
EER		3.65	3.60	3.55	3.52	3.47	3.45	
COP		4.00	3.95	3.87	3.84	3.77	3.75	





PERFORMANCE								
Airflow	Heating	m³/h	32400	32400	32400	32400	32400	32400
	Cooling	m³/h	30000	30000	30000	30000	30000	30000
Sound pressure level to 1 m		dB(A)	65	65	65	65.5	65.5	66
Sound power level		dB(A)	83	83	83	83	83	84

INSTALLATION							
Dimensions (WxHxD)	mm	(1350x2048x720) x2	(1350x2048x720) x2	(1350x2048x720) x2	(1350x2048x720) x2	(1350x2048x720) x2	(1350x2048x720) x2
Refrigerant/GWP		R410A/2088					
Refrigerant charge	kg	10+10	10+10	10+10	10+10	10+10	10+10
Net weight/Gross weight	kg	(335/360)x2	(335/360)x2	335/360 + 359/384	335/360 + 359/384	(359/384)x2	359/384 + 359/384
Compressor type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Tubing	Liquid pipe diameter	inches	3/4"	3/4"	3/4"	3/4"	3/4"
	Suction pipe diameter	inches	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4
	Oil equalization pipe	inches	3/8"	3/8"	3/8"	3/8"	3/8"
	Max. pipe length	m	1000	1000	1000	1000	1000
Max. height between indoor and outdoor units (ODU up/down)	m	50/40	50/40	50/40	50/40	50/40	50/40
Max. height between indoor units	m	18	18	18	18	18	18
External static pressure	Pa	82	82	82	82	82	82
Environment temperature range	Cooling	°C	-5°/50°				
	Heating	°C	-23°/21°				
Maximum indoor units connectable	quantity	64	64	64	64	64	64





### TECHNICAL DATA FOR THREE COMBINATIONS

Outdoor unit		YDV1408-H13	YDV1460-H13	YDV1514-H13	YDV1570-H13	
Phase		Three phase	Three phase	Three phase	Three phase	
Combinations part number		YDV400 / 7SP14H032	YDV450 / 7SP14H033	YDV450 / 7SP14H033	YDV450 / 7SP14H033	
		YDV504 / 7SP14H034	YDV450 / 7SP14H033	YDV504 / 7SP14H034	YDV560 / 7SP14H035	
		YDV504 / 7SP14H034	YDV560 / 7SP14H035	YDV560 / 7SP14H035	YDV560 / 7SP14H035	
						
<b>POWER</b>						
Capacity range	HP	50	52	54	56	
Cooling	kW	<b>140.8</b>	<b>146</b>	<b>151.4</b>	<b>157</b>	
Heating	kW	<b>158</b>	<b>163</b>	<b>169.5</b>	<b>176</b>	
<b>ELECTRICAL PARAMETERS</b>						
Phase/Voltage/Frequency		3P/380-400V/50-60Hz/N				
Cooling	Rated power input	kW	37.50	39.37	41.08	43.02
	Max. power input	kW	61.10	70.55	69.96	73.05
	Rated current	A	61.93	65.01	67.85	71.04
	Max. current	A	100.70	114.70	114.05	119.00
Heating	Rated power input	kW	38.62	40.05	41.95	43.95
	Max. power input	kW	60.96	59.59	65.07	67.57
	Rated current	A	63.77	66.14	69.28	72.58
	Max. current	A	100.80	97.76	107.68	111.88
EER		3.75	3.71	3.69	3.65	
COP		4.09	4.07	4.04	4.00	
<b>PERFORMANCE</b>						
Airflow	Heating	m³/h	47400	47400	48000	48000
	Cooling	m³/h	43200	43800	44440	44440
Sound pressure level to 1 m		dB(A)	66	66	66.5	66.5
Sound power level		dB(A)	84	84	85	85
<b>INSTALLATION</b>						
Dimensions (WxHxD)		mm	1350x1690x720 + (1350x2048x720)x2	1350x1690x720 + (1350x2048x720)x2	1350x1690x720 + (1350x2048x720)x2	1350x1690x720 + (1350x2048x720)x2
Refrigerant/GWP			<b>R410A/2088</b>			
Refrigerant charge		kg	10+10+10	10+10+10	10+10+10	10+10+10
Net weight/Gross weight		kg	279/304 + (335/360)x2	(321/346)x2 + 335/360	321/346 + (335/360)x2	321/346 + (335/360)x2
Compressor type			Scroll	Scroll	Scroll	Scroll
Tubing	Liquid pipe diameter	inches	3/4"	3/4"	3/4"	3/4"
	Suction pipe diameter	inches	1"1/2	1"1/2	1"1/2	1"5/8
	Oil equalization pipe	inches	3/8"	3/8"	3/8"	3/8"
	Max. pipe length	m	1000	1000	1000	1000
Max. height between indoor and outdoor units (ODU up/down)		m	50/40	50/40	50/40	50/40
Max. height between indoor units		m	18	18	18	18
External static pressure		Pa	82	82	82	82
Environment temperature range	Cooling	°C	-5°/50°			
	Heating	°C	-23°/21°			
Maximum indoor units connectable		quantity	64	64	64	64

### TECHNICAL DATA FOR THREE COMBINATIONS

Outdoor unit	YDV1624-H13	YDV1680-H13	YDV1735-H13	YDV1800-H13
Phase	Three phase	Three phase	Three phase	Three phase
Combinations part number	YDV504 / 7SP14H034	YDV560 / 7SP14H035	YDV560 / 7SP14H035	YDV560 / 7SP14H035
	YDV560 / 7SP14H035	YDV560 / 7SP14H035	YDV560 / 7SP14H035	YDV560 / 7SP14H035
	YDV560 / 7SP14H035	YDV560 / 7SP14H035	YDV615 / 7SP14H036	YDV680 / 7SP14H037



#### POWER

Capacity range	HP	58	60	62	64
Cooling	kW	162.4	168	173.5	180
Heating	kW	182.5	189	195	199

#### ELECTRICAL PARAMETERS

Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N			
Cooling	Rated power input	kW	44.73	46.67	48.68	50.82
	Max. power input	kW	72.47	75.56	80.93	87.84
	Rated current	A	73.88	77.07	80.40	83.93
	Max. current	A	118.35	123.30	131.85	142.65
Heating	Rated power input	kW	45.85	47.85	50.06	51.37
	Max. power input	kW	73.05	75.56	78.09	78.99
	Rated current	A	75.72	79.02	82.67	84.83
	Max. current	A	121.80	126.00	130.05	131.40
EER			3.63	3.60	3.56	3.54
COP			3.98	3.95	3.90	3.87

#### PERFORMANCE

Airflow	Heating	m <sup>3</sup> /h	48600	48600	48600	48600
	Cooling	m <sup>3</sup> /h	45000	45000	45000	45000
Sound pressure level to 1 m		dB(A)	67	67	67	67
Sound power level		dB(A)	85	85	85	85

#### INSTALLATION

Dimensions (WxHxD)		mm	(1350x2048x720) x 3	(1350x2048x720) x 3	(1350x2048x720) x 2 + (1350x2048x720)	(1350x2048x720) x 3
Refrigerant/GWP			R410A/2088			
Refrigerant charge		kg	10+10+10	10+10+10	10+10+10	10+10+10
Net weight/Gross weight		kg	(335/360)x3	(335/360)x3	(335/360)x2 + (359/384)	(335/360)x2 + 359/384
Compressor type			Scroll	Scroll	Scroll	Scroll
Tubing	Liquid pipe diameter	inches	3/4"	3/4"	3/4"	3/4"
	Suction pipe diameter	inches	1"5/8	1"5/8	1"5/8	1"5/8
	Oil equalization pipe	inches	3/8"	3/8"	3/8"	3/8"
	Max. pipe length	m	1000	1000	1000	1000
Max. height between indoor and outdoor units (ODU up/down)		m	50/40	50/40	50/40	50/40
Max. height between indoor units		m	18	18	18	18
External static pressure		Pa	82	82	82	82
Environment temperature range	Cooling	°C	-5°/50°			
	Heating	°C	-23°/21°			
Maximum indoor units connectable		quantity	64	64	64	64



### TECHNICAL DATA FOR THREE COMBINATIONS

Outdoor unit	YDV1855-H13	YDV1920-H13	YDV1975-H13	YDV2040-H13
Phase	Three phase	Three phase	Three phase	Three phase
Combinations part number	YDV560 / 7SP14H035	YDV560 / 7SP14H035	YDV615 / 7SP14H036	YDV680 / 7SP14H037
	YDV615 / 7SP14H036	YDV680 / 7SP14H037	YDV680 / 7SP14H037	YDV680 / 7SP14H037
	YDV680 / 7SP14H037	YDV680 / 7SP14H037	YDV680 / 7SP14H037	YDV680 / 7SP14H037



POWER					
Capacity range	HP	66	68	70	72
Cooling	kW	185.5	192	197.5	204
Heating	kW	205	209	215	219

ELECTRICAL PARAMETERS			3P/380-400V/50-60Hz/N			
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N			
Cooling	Rated power input	kW	52.84	54.98	56.99	59.13
	Max. power input	kW	93.22	100.13	105.50	112.41
	Rated current	A	87.26	90.79	94.12	97.65
	Max. current	A	151.2	162.00	170.55	181.35
Heating	Rated power input	kW	53.57	54.88	57.09	58.40
	Max. power input	kW	81.53	82.43	84.96	85.86
	Rated current	A	88.48	90.64	94.29	96.45
	Max. current	A	135.45	136.80	140.85	142.20
EER		3.51	3.49	3.47	3.45	
COP		3.83	3.81	3.77	3.75	

PERFORMANCE						
Airflow	Heating	m³/h	48600	48600	48600	48600
	Cooling	m³/h	45000	45000	45000	45000
Sound pressure level to 1 m		dB(A)	67	67.5	67.5	68
Sound power level		dB(A)	85	86	86	86

INSTALLATION						
Dimensions (WxHxD)	mm	(1350x2048x720) x 3	(1350x2048x720) x 3	(1350x2048x720) x 3	(1350x2048x720) x 3	
Refrigerant/GWP		<b>R410A/2088</b>				
Refrigerant charge	kg	10+10+10	10+10+10	10+10+10	10+10+10	
Net weight/Gross weight	kg	335/360 + (359/384)x2	335/360 + (359/384)x2	(359/384)x3	(359/384)x3	
Compressor type		Scroll	Scroll	Scroll	Scroll	
Tubing	Liquid pipe diameter	inches	7/8"	7/8"	7/8"	7/8"
	Suction pipe diameter	inches	1"3/4	1"3/4	1"3/4	1"3/4
	Oil equalization pipe	inches	3/8"	3/8"	3/8"	3/8"
	Max. pipe length	m	1000	1000	1000	1000
Max. height between indoor and outdoor units (ODU up/down)	m	50/40	50/40	50/40	50/40	
Max. height between indoor units	m	18	18	18	18	
External static pressure	Pa	82	82	82	82	
Environment temperature range	Cooling	°C	-5°/50°			
	Heating	°C	-23°/21°			
Maximum indoor units connectable	quantity	64	64	64	64	







COMPATIBLE



### + PRODUCTS

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



RWV06  
(optional)



RWV09  
(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 »

- Stacked installation is possible.
- Up to 300 m of refrigeration network and 50 m height difference.

#### THE « TECHNOLOGY »

- Up to 19 indoor units.
- Outside temperature does not affect performance.
- Airconnect Pro: remote maintenance and management option (see page 10).

### ACCESSORIES

Accessory	Part nb.	Ref.	Picture	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	33.5kW > Total IDU power
	7ACFHH002	TAU506		Refrigerant gathering	33.5kW ≤ Total IDU power < 50.6kW
	7ACFHH003	TAU730		Refrigerant gathering	50.6kW ≤ Total IDU power < 73kW
	7ACFHH004	TAU1350		Refrigerant gathering	73kW ≤ Total IDU power < 135kW
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	
Smart WiFi module	7ACEL1869	-		Remote control by the smart WiFi module and controlled by the AirConnect Smart application	Module diimensions: 86x86x12 mm.

**WATER FLOWLOGIC TECHNICAL DATA**

Outdoor unit		YWC220-H13	YWC280-H13	YWC335-H13	
Part number		7SP14H038	7SP14H039	7SP14H040	
<b>POWER</b>					
Capacity range	HP	8	10	12	
Cooling	kW	22.4	28	33.5	
Heating	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		4.98	4.67	4.35	
COP		6.02	5.43	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 (WxHxD)	mm	775x995x545	775x995x545	775x995x545	
Shipping dimensions (WxHxD)	mm	875x1182x655	875x1182x655	875x1182x655	
Net weight/Gross weight	kg	172/183	172/183	172/183	
Compressor type		Scroll DCI	Scroll DCI	Scroll DCI	
Refrigerant/GWP		<b>R410A/2088</b>	<b>R410A/2088</b>	<b>R410A/2088</b>	
Refrigerant charge	kg	2	2	2	
Liquid pipe diameter	mm	3/8"	3/8"	1/2"	
Suction pipe diameter	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		13	16	19	



VRF  
Indoor units

# HBV HIGH WALL



RHP03 included

## + PRODUCTS

- RCV03 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 (mode locking, setpoint limits).

### THE «USER»

→ Simple and elegant design.

→ Silent operation.

→ Multiple applications can be connected using the dry contact: room card, presence detection.

### THE «INSTALLER»

→ Thickness.

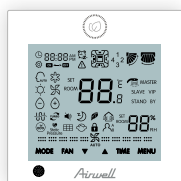
### THE «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve.

## HBV TECHNICAL DATA

Indoor unit		AWSI-HBV 007-N11	AWSI-HBV 009-N11	AWSI-HBV 012-N11	AWSI-HBV 016-N11	AWSI-HBV 018-N11	AWSI-HBV 024-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP02H019		7SP02H014	7SP02H020		7SP02H016
<b>RATED POWER</b>							
Cooling	kBtu/h	7.5	9.5	12.3	15.3	19.1	24.2
	kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating	kBtu/h	8.5	10.9	13.6	17.1	21.5	27.3
	kW	2.5	3.2	4	5	6.3	8
<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
Sound power level (LS/MS/HS)	dB(A)	29/31/35	29/31/36	29/33/37	34/36/39	35/39/40	36/40/44
<b>INSTALLATION</b>							
External dimensions (WxHxD)	mm	855x280x200	855x280x200	855x280x200	1115x336x243	1115x336x243	1115x336x243
Shipping dimensions (WxHxD)	mm	954x355x279	954x355x279	954x355x279	1206x418x342	1206x418x342	1206x418x342
Net weight/Gross weight	kg	9.9/12	9.9/12	9.9/12	15.8/18.9	15.8/18.9	15.8/18.9
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"
Suction pipe diameter	inches	3/8"	3/8"	1/2"	1/2"	1/2"	5/8"





RWV05 included



### THE + «SUSTAINABLE DEVELOPMENT»

→ Energy savings (mode locking, setpoint limits).

### THE + «USER»

→ Air renewal by supply of fresh air.

→ Multiple applications can be connected using the dry contact: room card, presence detection.

### THE + «INSTALLER»

→ Easy integration into false ceilings thanks to its reduced height.

### THE + «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve.

### + PRODUCTS

- RWV05 remote control included
- Integrated condensates pump
- Fresh air inlet
- Integrated electronic expansion valve
- Dry contact available



RCV03 (optional)



RWV03 (optional)



RWV07 (optional)

### CBV TECHNICAL DATA

Indoor unit		AWSI-CBV 005-N11	AWSI-CBV 007-N11	AWSI-CBV 009-N11	AWSI-CBV 012-N11	AWSI-CBV 016-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
Sound power 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>PANEL</b>						
Panel part number		7ACVFH001	7ACVFH001	7ACVFH001	7ACVFH001	7ACVFH001
External dimensions (WxHxD)	mm	700x60x700	700x60x700	700x60x700	700x60x700	700x60x700
Shipping dimensions (WxHxD)	mm	740x115x740	740x115x740	740x115x740	740x115x740	740x115x740
Net weight/Gross weight	kg	2.8/4.5	2.8/4.5	2.8/4.5	2.8/4.5	2.8/4.5

### FEATURES

#### TECHNOLOGY:



ELECTRONIC EXPANSION VALVE

#### AIR QUALITY / CLEAN:



FRESH AIR

#### USER FUNCTIONS:



I FEEL



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)

#### INSTALLER FUNCTIONS:



INTEGRATED WATER PUMP

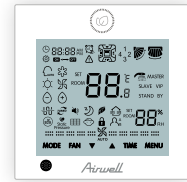


DRY CONTACT ON/OFF



VRF  
Indoor units

# CFV CASSETTE 360°



RWV05  
included

## + PRODUCTS

- RWV05 remote control included
- 360° air blowing
- Integrated condensates pump
- Extra-slim unit
- Fresh air inlet
- Dry contact available



RCV03  
(optional)



RWV03  
(optional)



RW07  
(optional)

## FEATURES

### TECHNOLOGY:



ELECTRONIC  
EXPANSION VALVE



MULTIFLOW 360°

### AIR QUALITY / CLEAN:



FRESH AIR

### USER FUNCTIONS:



I FEEL



PROGRAMMABLE  
TIMER



AUTO RESTART  
(MEMORY)

### INSTALLER FUNCTIONS:



INTEGRATED WATER  
PUMP



DRY CONTACT  
ON/OFF

### THE «SUSTAINABLE DEVELOPMENT»

→ Energy savings (mode locking, setpoint limits).

### THE «USER»

→ Optimal comfort with its 360° blown air output.

→ Air renewal by supply of fresh air.

→ Multiple applications can be connected using the dry contact: room card, presence detection.

### THE «INSTALLER»

→ Simple installation (183 to 288 mm high).

### THE «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve.

## CFV TECHNICAL DATA

Indoor unit		AWSI-CFV 016-N11	AWSI-CFV 018-N11	AWSI-CFV 024-N11	AWSI-CFV 030-N11	AWSI-CFV 038-N11	AWSI-CFV 048-N11	AWSI-CFV 060-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP04H035		7SP04H029	7SP04H036		7SP04H037	
<b>RATED POWER</b>								
Cooling	kBtu/h	15.3	19.1	24.2	30.7	38.2	47.7	54.6
	kW	<b>4.5</b>	<b>5.6</b>	<b>7.1</b>	<b>9</b>	<b>11.2</b>	<b>14</b>	<b>16</b>
Heating	kBtu/h	17.1	21.5	27.3	34.1	42.6	54.6	61.2
	kW	<b>5</b>	<b>6.3</b>	<b>8</b>	<b>10</b>	<b>12.5</b>	<b>16</b>	<b>18</b>
<b>ELECTRICAL PARAMETERS</b>								
Phase/Voltage/Frequency		1P/220-230V/50-60Hz						
<b>PERFORMANCE</b>								
Airflow (LS/MS/HS)	m³/h	620/810/1000	620/810/1000	1000/1190/1380	1670/1860/2050	1670/1860/2050	1720/1910/2100	1720/1910/2100
Sound power level (LS/MS/HS)	dB(A)	29/30/33	29/30/33	31/34/35	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	25/28	25/28	27/30	31/36	31/36	33/38	33/38
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>PANEL</b>								
Panel 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



RWV05 included



### THE «SUSTAINABLE DEVELOPMENT»

→ Energy savings (mode locking, setpoint limits).

### THE «USER»

→ Air blowing distance up to 11m.

→ Horizontal and vertical airflow swing.

→ Multiple applications can be connected 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

- RWV05 remote control included
- High airflow rate
- Extra-slim unit (199 mm)
- Integrated electronic expansion valve
- Dry contact available



RCV03 (optional)



RWV03 (optional)



RWV07 (optional)

### FAV TECHNICAL DATA

Indoor unit		AWSI-FAV 012-N11	AWSI-FAV 018-N11	AWSI-FAV 024-N11	AWSI-FAV 028-N11	AWSI-FAV 030-N11	AWSI-FAV 038-N11	AWSI-FAV 048-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP01H004		7SP02H011	7SP01H005		7SP01H006	
<b>RATED POWER</b>								
Cooling	kBtu/h	12.3	19.1	24.2	27.3	30.7	38.2	48
	kW	<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	13.6	21.5	27.3	30.7	34.1	42.6	55
	kW	<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)	m <sup>3</sup> /h	580/710/800	580/710/800	580/710/800	1610/1820/2040	1610/1820/2040	1610/1820/2040	1610/1820/2040
Sound power level (LS/MS/HS)	dB(A)	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	990x655x199	990x655x199	1580x700x240	1580x700x240	1580x700x240	1580x700x240
Shipping dimensions (WxHxD)	mm	1160x743x290	1160x743x290	1160x743x290	1713x793x335	1713x793x335	1713x793x335	1713x793x335
Net weight/Gross weight	kg	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"	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"

### FEATURES

#### TECHNOLOGY:



ELECTRONIC EXPANSION VALVE

#### USER FUNCTIONS:



I FEEL



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)

#### INSTALLER FUNCTIONS:



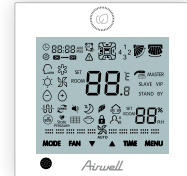
DRY CONTACT ON/OFF



VRF  
Indoor units

# DDV

## DUCTED LOW STATIC PRESSURE



RWV05  
included

### + PRODUCTS

- RWV05 remote control included
- Integrated condensates pump
- Extra-slim unit
- Fresh air supply
- Adjustable static pressure 0-30 Pa
- Dry contact available



RCV03  
(optional)



RWV03  
(optional)



RWV07  
(optional)

### FEATURES

#### TECHNOLOGY:



ELECTRONIC EXPANSION VALVE



4D AIRFLOW

#### AIR QUALITY / CLEAN:



FRESH AIR

#### USER FUNCTIONS:



I FEEL



SUPER QUIET



PROGRAMMABLE  
TIMER



AUTO RESTART  
(MEMORY)

#### INSTALLER FUNCTIONS:



INTEGRATED WATER  
PUMP



DRY CONTACT  
ON/OFF

### THE «SUSTAINABLE DEVELOPMENT»

→ Energy savings (mode locking, setpoint limits).

### THE «USER»

→ Super quiet 21 dB.

→ Designer solution thanks to its motorised panel.

→ Directable airflow.

→ Air renewal by supply of fresh air.

→ Multiple applications can be connected using the dry contact: room card, presence detection.

### THE «INSTALLER»

→ Simple installation (185 mm high).

### THE «TECHNOLOGY»

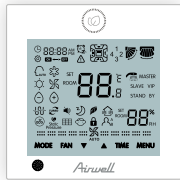
→ Optimal regulation thanks to its electronic expansion valve.

→ Front panel with digital display.

### DDV TECHNICAL DATA

Indoor units		AWSI-DDV 007-N11	AWSI-DDV 009-N11	AWSI-DDV 012-N11	AWSI-DDV 016-N11
Phase		Single phase	Single phase	Single phase	Single phase
Part number		7SP03H042		7SP03H027	7SP03H028
<b>RATED POWER</b>					
Cooling	kBtu/h	7.5	9.5	12.3	15.3
	<b>kW</b>	<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
	<b>kW</b>	<b>2.5</b>	<b>3.2</b>	<b>4</b>	<b>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	360/420/480	360/420/480	370/430/550	460/540/600
Sound power 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	Part number	7ACVF0587	7ACVF0587	7ACVF0587	7ACVF0587





RWV05  
included



### THE «SUSTAINABLE DEVELOPMENT»

→ Energy savings (mode locking, setpoint limits).

### THE «USER»

→ Multiple applications can be connected 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 condensates pump.

### THE «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve.

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

### + PRODUCTS

- RWV05 remote control included
- Integrated condensates pump
- Extra-slim unit 248 mm
- Fresh air supply
- Adjustable static pressure 50-96 Pa
- Dry contact available



RCV03  
(optional)



(REC01 infrared receiver to combined with RCV03)



RWV03  
(optional)



RWV07  
(optional)

### DBV TECHNICAL DATA

Indoor unit		AWSI-DBV 018-N11	AWSI-DBV 024-N11	AWSI-DBV 028-N11	AWSI-DBV 038-N11
Phase		Single phase	Single phase	Single phase	Single phase
Part number		7SP03H035	7SP03H041	7SP03H041	7SP03H039
<b>RATED POWER</b>					
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	44.3
	kW	6.3	8	9	13
<b>ELECTRICAL PARAMETERS</b>					
Phase/Voltage/Frequency		1P/230V/50-60Hz			
<b>PERFORMANCE</b>					
Airflow (LS/MS/HS)	m³/h	699/805/920	950/1090/1230	950/1090/1230	900/1300/1700
Sound power level (LS/MS/HS)	dB(A)	36/38/40	38/41/44	38/42/46	39/43/46
<b>INSTALLATION</b>					
External dimensions (WxHxD)	mm	1100x248x1100	1100x248x700	1100x248x700	1500x248x700
Shipping dimensions (WxHxD)	mm	1332x280x835	1332x280x835	1332x280x835	1698x305x857
Net weight/Gross weight	kg	36.8/43.4	37/43.6	37/43.6	48.3/56.5
Liquid pipe diameter	inches	1/2"	3/8"	3/8"	3/8"
Suction pipe diameter	inches	1/4"	5/8"	5/8"	5/8"
External static pressure	Pa	50	50	50	50
Max. static pressure	Pa	100	100	100	100

### FEATURES

#### TECHNOLOGY:



ELECTRONIC EXPANSION VALVE

#### AIR QUALITY / CLEAN:



FRESH AIR

#### USER FUNCTIONS:



I FEEL



SUPER QUIET



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)

#### INSTALLER FUNCTIONS:



INTEGRATED WATER PUMP



DRY CONTACT ON/OFF



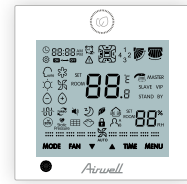
VRF  
Indoor units

# DCV

## DUCTED HIGH STATIC PRESSURE



DCV 048



RWV05  
included



DCV 072-096

### + PRODUCTS

- RWV05 remote control included
- High static pressure and airflow
- High power 14 to 28 kW
- Dry contact available



RCV03  
(optional)



RWV03  
(optional)



RWV07  
(optional)

### FEATURES

#### TECHNOLOGY:



ELECTRONIC  
EXPANSION VALVE

#### USER FUNCTIONS:



I FEEL



PROGRAMMABLE  
TIMER



AUTO RESTART  
(MEMORY)

#### INSTALLER FUNCTIONS:



DRY CONTACT  
ON/OFF

### THE «SUSTAINABLE DEVELOPMENT»

→ Energy savings (mode locking, 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.



### DCV TECHNICAL DATA

Indoor unit		AWSI-DCV 030-N11	AWSI-DCV 038-N11	AWSI-DCV 048-N11	AWSI-DCV 072-N11	AWSI-DCV 096-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP03H043			7SP03H044	
<b>RATED POWER</b>						
Cooling	kBtu/h	30.7	38.2	47.7	77.1	95.5
	kW	9	11.2	14	22.6	28
Heating	kBtu/h	34.1	42.6	54.6	85.3	108.5
	kW	10	12.5	16	25	31.5
<b>ELECTRICAL PARAMETERS</b>						
Phase/Voltage/Frequency		1P/220-230V/50-60Hz				
<b>PERFORMANCE</b>						
Airflow (LS/MS/HS)	m³/h	1133/1412/1560	1162/1448/1600	1525/1901/2100	2612/3255/4050	2612/3255/4050
Sound power level (LS/MS/HS)	dB(A)	40/43/45	40/43/45	40/43/45	49/51/54	49/51/54
<b>INSTALLATION</b>						
External dimensions (WxHxD)	mm	1355x360x876	1355x360x876	1355x360x876	1725x360x876	1725x360x876
Shipping dimensions (WxHxD)	mm	1378x405x938	1378x405x938	1430x420x940	1830x530x990	1830x530x990
Net weight/Gross weight	kg	66/74	66/74	66/74	100/112	100/112
Liquid pipe diameter	inches	3/8"	3/8"	3/8"	3/8"	3/8"
Suction pipe diameter	inches	5/8"	5/8"	5/8"	1"	1"
External static pressure (standard)*	Pa	100	100	100	100	100

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



RHP03  
included

### THE + «SUSTAINABLE DEVELOPMENT»

→ Energy savings (mode locking, setpoint limits).

### THE + «USER»

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

### THE + «INSTALLER»

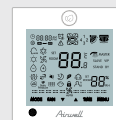
- Very compact.
- Ideal solution for rooms with low ceilings.

### THE + «TECHNOLOGY»

- Optimal regulation thanks to its electronic expansion valve.

### + PRODUCTS

- RCV03 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	2.8	3.6	5
Heating	kBtu/h	10.9	13.6	18.5
	kW	3.2	4	5.5
<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	270/350/420/500/580	270/390/460/540/620
Sound power 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"



Buildings



Shopping centres



Hospitals

## + PRODUCTS

- Allows the combination of air handling units (AHUs) with the VRF system.
- Compatible with YEV, YEVFD (4,5,6HP and 8,10,12HP) systems.
- Single kit capacity ranges from 3.5 to 73 kW (1-26 HP), multiple kits for larger capacity air handling units.
- The kit includes the control part and the EEV part (they can also be installed separately).
- 0-10V signal from the DDC controller (supplied by the installer).
- Supply air regulation (from DDC) or return air temperature control.
- Connect up to 3 integration AHU kits per VRF system for increased capacity.
- The mode can also be changed with the dry contact input (cooling, heating): change over.
- Fan speed can be selected by dry contact input (max. 3 fan speeds: low/medium/high).
- Output signal for defrost.

Airwell offers a range of connection kits, to connect VRF outdoor units to an air handling unit, in addition to indoor units.

## SYSTEM APPLICATION

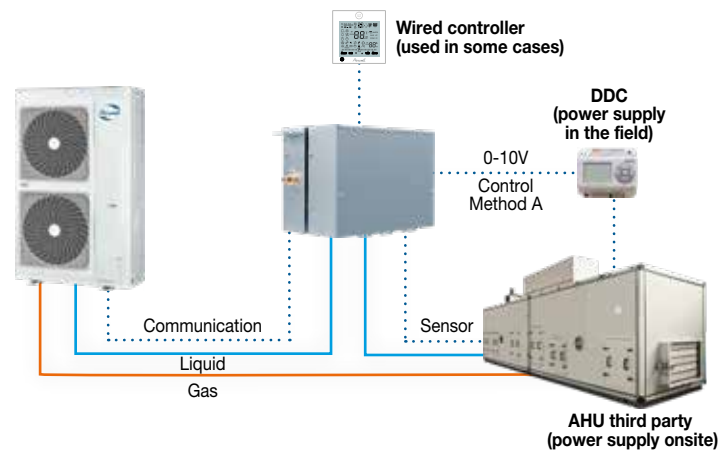
- Offer a solution for large spaces to decrease the supply of fresh air with the VRF outdoor units by matching them with the air handling units. This solution makes it possible to combine the advantages of VRF with those of central air handling units.
- Meet the standards of European law: each workplace must be supplied with a minimum of 25 m<sup>3</sup>/h of fresh air. So this means that every office, every store and the majority of commercial buildings must be equipped with this solution in order to meet the standard...

## 4 CONTROL MODES AVAILABLE

### CONTROL MODE A

→ DDC 0-10V signal output.

→ The AHU kit receives a 0-10V signal to adjust the capacity of the ODU.



Note: wired controller is optional.

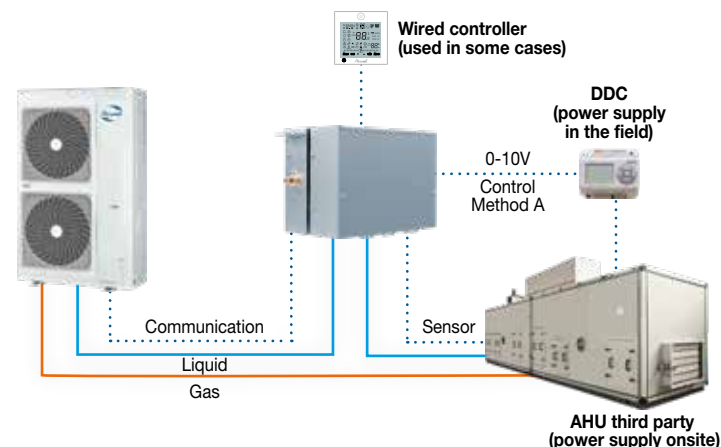
If the DDC can provide 0-10V, mode and on/off signals to the AHU kit, there is no need to connect the wired controller. If the 0-10V signal is sufficient, the wired controller is needed.

### CONTROL METHOD B

→ Control temperature via DDC.

→ DDC 0-10V signal output.

→ The AHU kit receives a 0-10V signal to adjust the setpoint temperature.

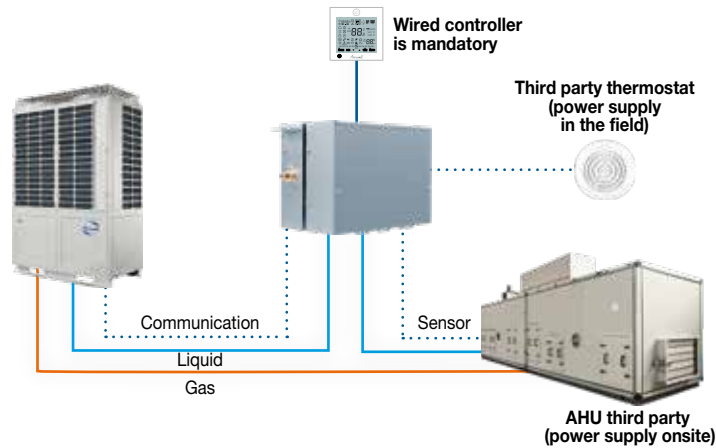


If the DDC can provide 0-10V, mode and on/off signals to the AHU kit, there is no need to connect the wired controller. If the 0-10V signal is sufficient, the wired controller is needed..



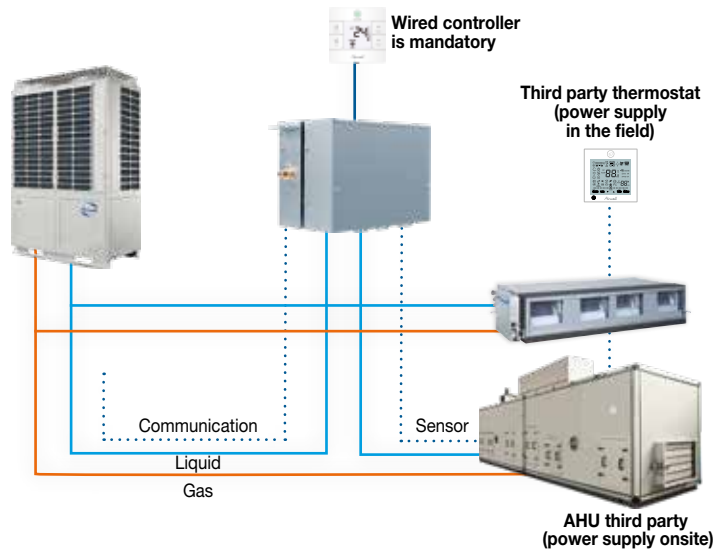
**CONTROL METHOD C (special application)**

- Without DDC.
- The wired controller is required for initial setup, but not required for operation.
- The third-party thermostat provides the On/Off signal to the AHU kit when the set temperature is reached.
- Applicable for some cases with constant cooling or heating demand and low comfort requirements.



**CONTROL METHOD D**

- Similar to the original AHU V1.0 kit.
- Control AHU as VRF indoor units.
- Return/room temperature control.
- Wired controller is required.
- Control method for combination of VRF indoor units and AHU system.

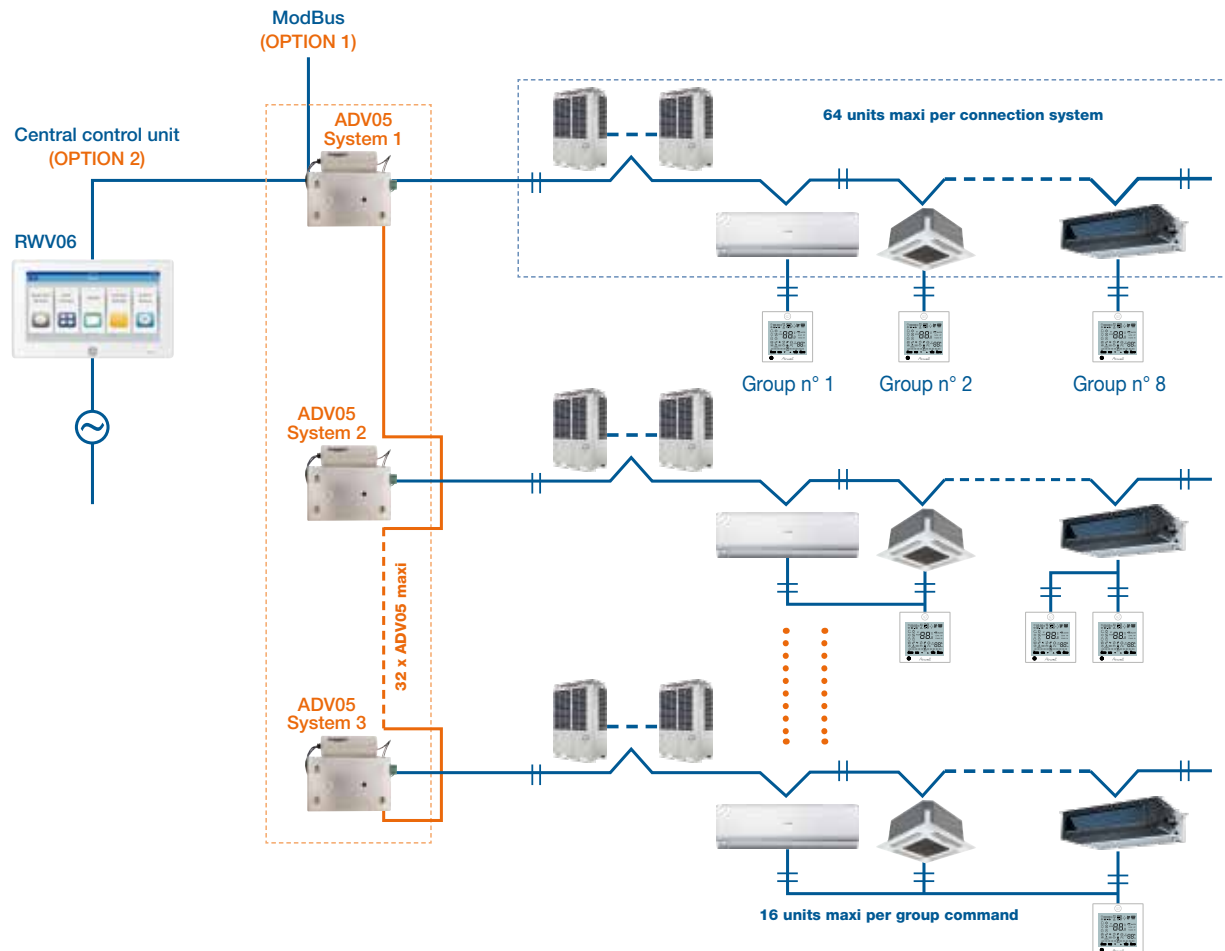


**AHU KITS**

Model	Designation	Part number
AHU kit 7	AHU kit <7 kW	7ACELH033
AHU kit 14	AHU kit 7 kW to 14 kW	7ACELH034
AHU kit 28	AHU kit 14 kW to 28 kW	7ACELH035
AHU kit 256	AHU kit 28 kW to 56 kW	7ACELH036
AHU kit 73	AHU kit 56 kW to 73 kW	7ACELH037

# 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 error codes.
- Weekly time: mode, fan speed, temperature.
- Sets LIFO (last enter have high priority).
- Creation and monitoring zones.
- ModBus RS485 -+.

Part number: 7ACELH023

## CONTROL UNIT WITH WIFI OPTION RWV09

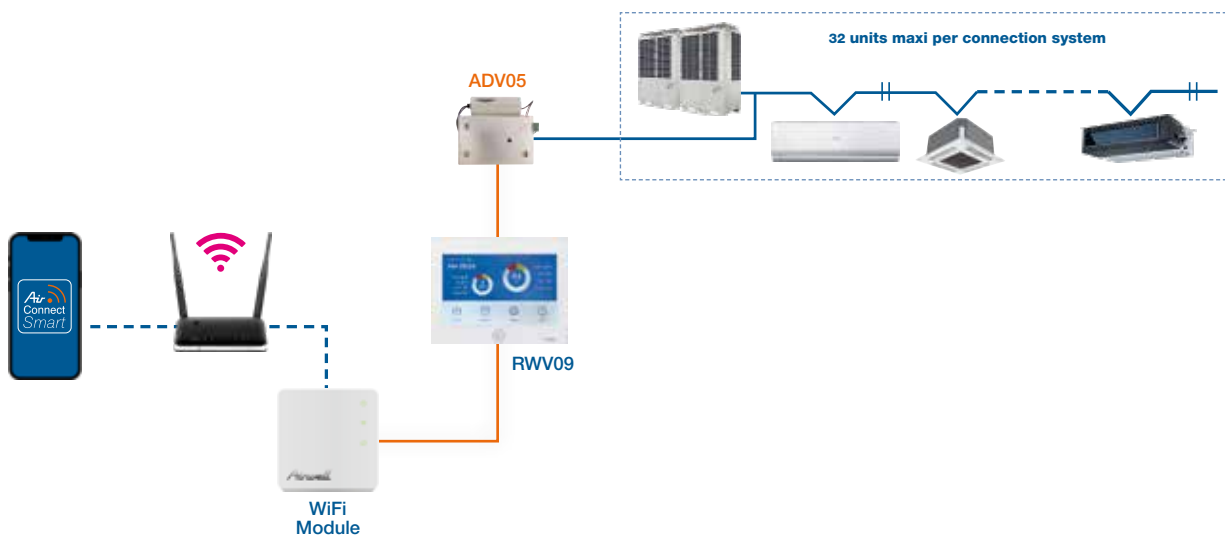


**This command allows you to check the status of the indoor units and control them remotely!**

- The WiFi option of the control makes it possible to make information about the application accessible.
- AirConnect Smart: so you can access it wherever you are.
- Clean and modern design.
- 5 inches TFT LCD touchscreen with backlight.
- Control up to 64 indoor units per system and per control unit.
- The control must be used in combination with an ADV05 for each VRF system.
- Possibility to connect up to 32 systems. Eco, Cool only / Heat only can be configured according to actual needs.

### Main features:

- Reading and operating parameters.
- History and display of error codes.
- The weekly timer for some or all of the units can be set only once, except for the date or the duty cycle. Editing indoor unit information.
- Modbus RTU signal output: can be combined with a WiFi module or a third-party device.



**Part number: 7ACELH038**

## INFRARED REMOTE CONTROL RCV03

### Functions

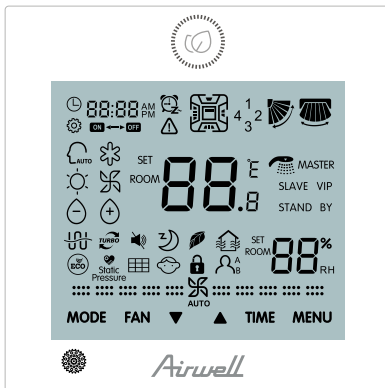
Model		RCV03
On/Off		√
Mode	Auto	√
	Cooling	√
	Heating	√
	Dehumidification	√
	Ventilation	√
Temperature adjustment		√
Ventilation adjustment		√
Quiet		√
Turbo		√
Health		√
Night mode		√
Timer		√
Airflow	Horizontal swing	√
	Vertical swing	√
Electric heating		√
Menu	Self-cleaning	√
	Fresh air	√
	Health airflow	√
	IFP	√
	Follow me	√
	Individual shutter control for CFV cassettes	√
	Frost protection mode	√
	C°/F°	√
Locking		√
Switch off/on the display		√
Back lighting		√



**Part number: 7ACELH045**



## WIRE CONTROLLER RWV05



### Functions

Model		RWV05
Basic function	On/off	√
	Adjusting the setpoint temperature	√
	Fan speed selection	√
	Selecting the operating mode	√
	Airflow adjustment	√
Display	Clock	√
	Temperature display	√
	Humidity level display	√
Function	Individual control: one control per indoor unit	√
	Group control: one command to control up to 16 indoor units	√
	On/off timer	√
	Individual shutter adjustment (for cassette units with 360° rounded corners)	√
	Infrared signal receiver: allows the joint use of an infrared control for ducted units	√
Installation	Display of error codes	√
	Static pressure adjustment for ducted units	√

Part number: 7ACELH039

# Airwell

AIR CONDITIONING & HEATING

For any questions or VRF projects, do not hesitate to contact our dedicated services.



## TECHNICAL SUPPORT AND PROJECTS

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



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e-mail ■ **Ordering spare parts:** [sp@airwell.com](mailto:sp@airwell.com)  
e-mail ■ **Technical support:** [sav@airwell.com](mailto:sav@airwell.com)

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*Just feel well*