Airwell

Just feel well



2019/2020
Air conditioning

Airwell

AIR CONDITIONING & HEATING

Airwell makes life easier with dedicated services

Professionnals

INTERNET WEBSITE

Order easier online
■ **www.airwell-pro.com**

TECHNICAL DOCUMENTATION

Find here all the documentation you need
■ **http://lh.airwell-res.com/**

PROJECTS SERVICE

tel ■ **+33 (0)1 76 21 82 82**

TRAININGS

■ **www.airwell-academy.fr**
e-mail ■ **airwell-academy@airwell-res.com**

AFTER-SALES SERVICE

tel ■ **+33 (0)1 76 21 82 95**
From Monday to Friday, from 9 am to 12:30 pm and from 2 to 5pm
■ **Parts orders: sp@airwell-res.com**
■ **Technical support: sav@airwell-res.com**

Consumers

INTERNET WEBSITE

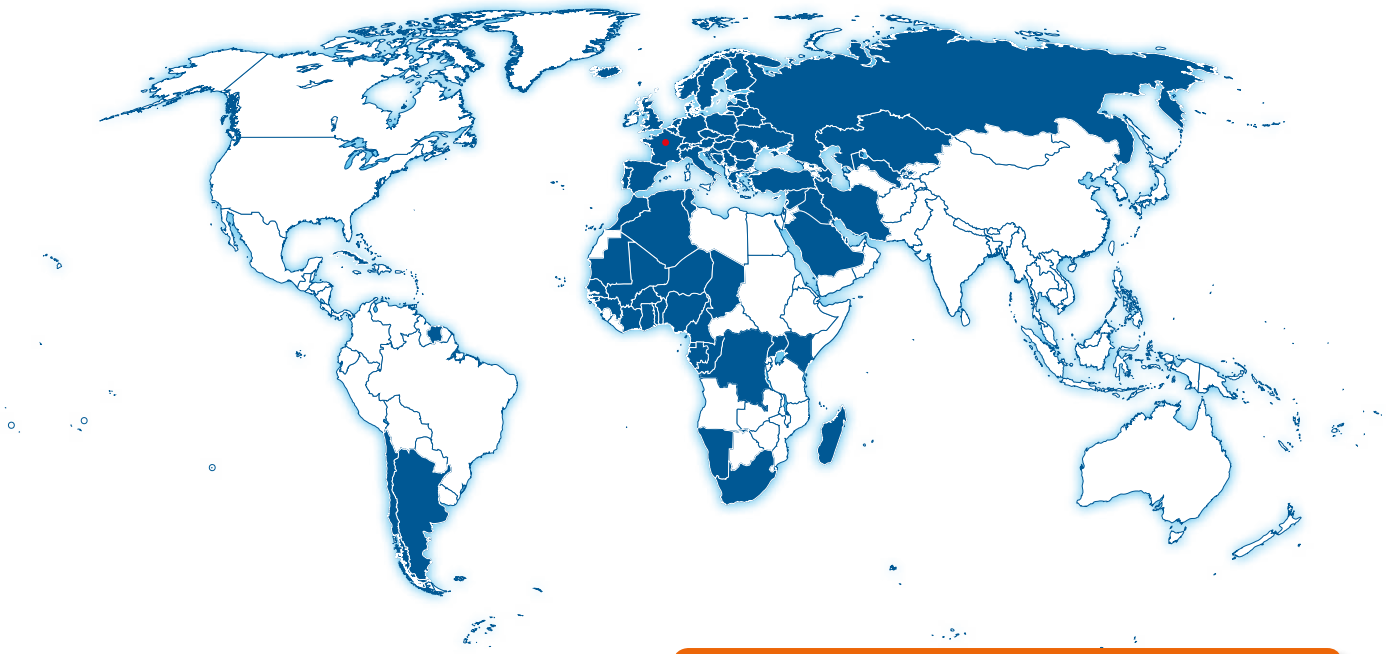
■ **www.airwell-res.com**

SELECTION ASSISTANT

■ **3D designer:**
Simulate in 3D your air conditioning from home
■ **White paper**

The expertise of a french brand

An international sales network



Find our partners on www.airwell-pro.com

HEADQUARTERS

3, avenue du Centre
Les Quadrants - Bâtiment A
78280 Guyancourt - FRANCE

GENERAL CONTACT

tel ■ **+33 (0)1 76 21 82 00**
e-mail ■ **contact@airwell-res.com**

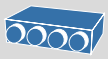
OUR PARTNERS

Uniclima
Stabiplan
Blygold®

OUR CERTIFICATIONS

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com
AFAQ ISO 9001
AFAQ ISO 14001
NF

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History



Your french expert
FOR MORE THAN 70 YEARS

2019 Launch of the Airwell Connect project

2018 Development in Middle East and Latin America

2017 70 years and in the era of 3.0, Airwell is “BIM Ready”

2015 Start of the ENR project

2014 Inauguration of training centers — Airwell ACADEMY

2013 Launch of “Zero Default objective”

1982 Airwell, first maker in Europe to produce high wall units

1970 Development of « Split » units

1950 Mass production of the first window unit

1947 Start of the Airwell history — French brand



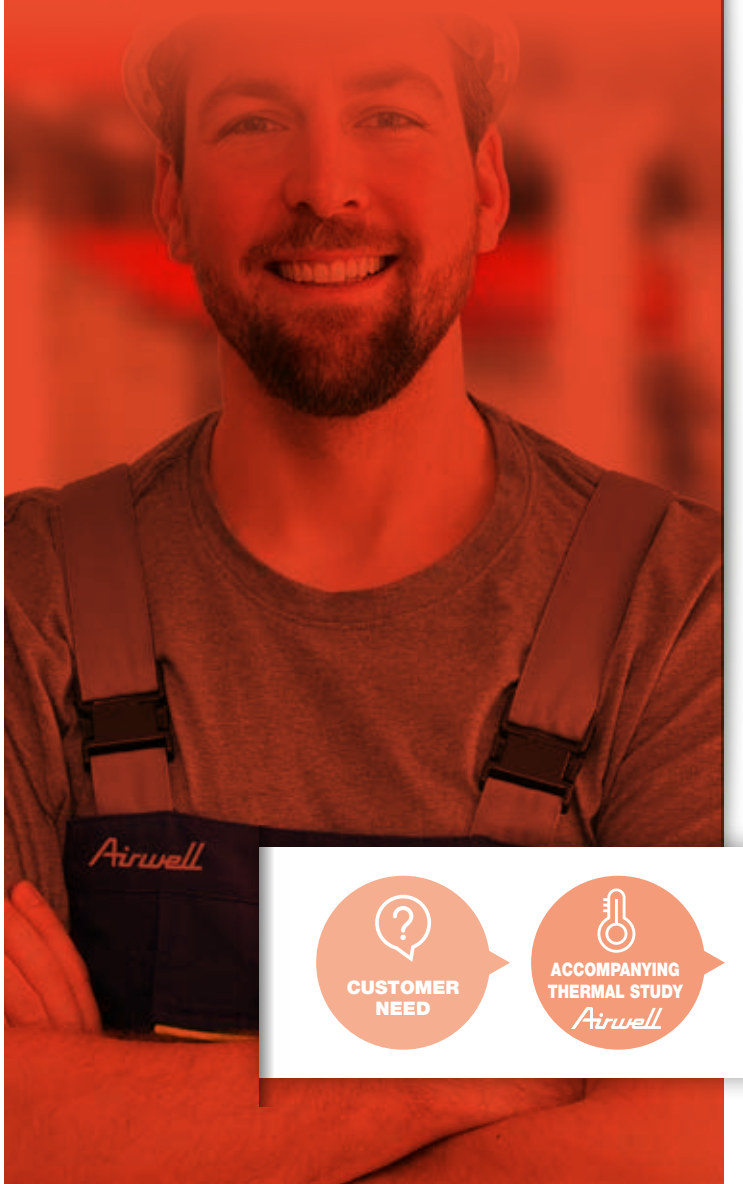
Airwell

your expert...

TRADE

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

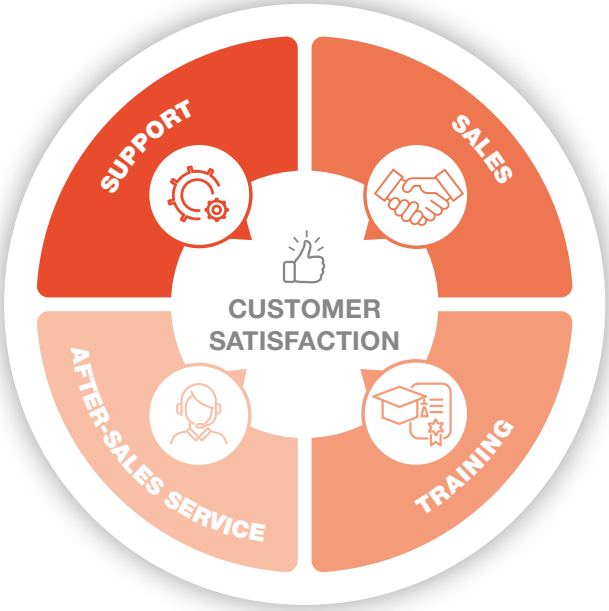
From the selection of the solution to the maintenance, through training, Airwell accompanies you in all stages of your air conditioning and heating project.



CERTIFICATIONS

Airwell is recognized for its reliability, certified **ISO 9001-2015**, at the level of marketing, after-sales service and training.

ISO 9001 - 2015 is a standard that establishes the requirements for a quality management system. It guarantees high efficiency and overall satisfaction of our customers.



PRE-SALES

Airwell is at your disposal to assist you in the realization of your projects (residential, hotels, businesses, industrial...).

Upstream, the Pre-Sales department studies your projects, recommending the best technical solutions.

With the help of the selection software, the Pre-Sales team assists you in the design of residential and light commercial air conditioning systems.



F-GAS

FGAS CERTIFICATION

The F-Gas regulation (EU 517/2014) came into effect on the 1st of January 2015.

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

The F-Gas regulation, initiated by the European Commission, aims to reduce the greenhouse effect in the EU from 80 to 95% (compared to 1990 levels) in the field of air conditioning.

GWP COMPARISON BETWEEN COMMON FLUID

Refrigerant fluid	R404A	R410A	R407C	R134a	R32	R290
GWP (Global Warning Potential)	3920	2088	1774	1430	675	3

EQUIPMENT DISTRIBUTOR

Keeping a register including nature and the type of equipment sold

The purchaser is a distributor or operator

- Name
- SIRET or SIREN
- Certificate number of capacity issued equivalent in EU

The purchaser is neither distributor nor operator

- Name
- SIRET (if applicable)
- Name of the operator with from which he has contracted to assembly and commissioning equipment (SIRET No. of this one + certificate number capacity or certificate equivalent issued in EU)

- Copy of the contract retained by the equipment distributor during at least 5 years (since the date acquisition of equipment)



AIRWELL ACADEMY

PRODUCT TRAINING

JOB TRAINING

SKILLS TRAINING

For more details on trainings:
www.airwell-academy.fr

Airwell

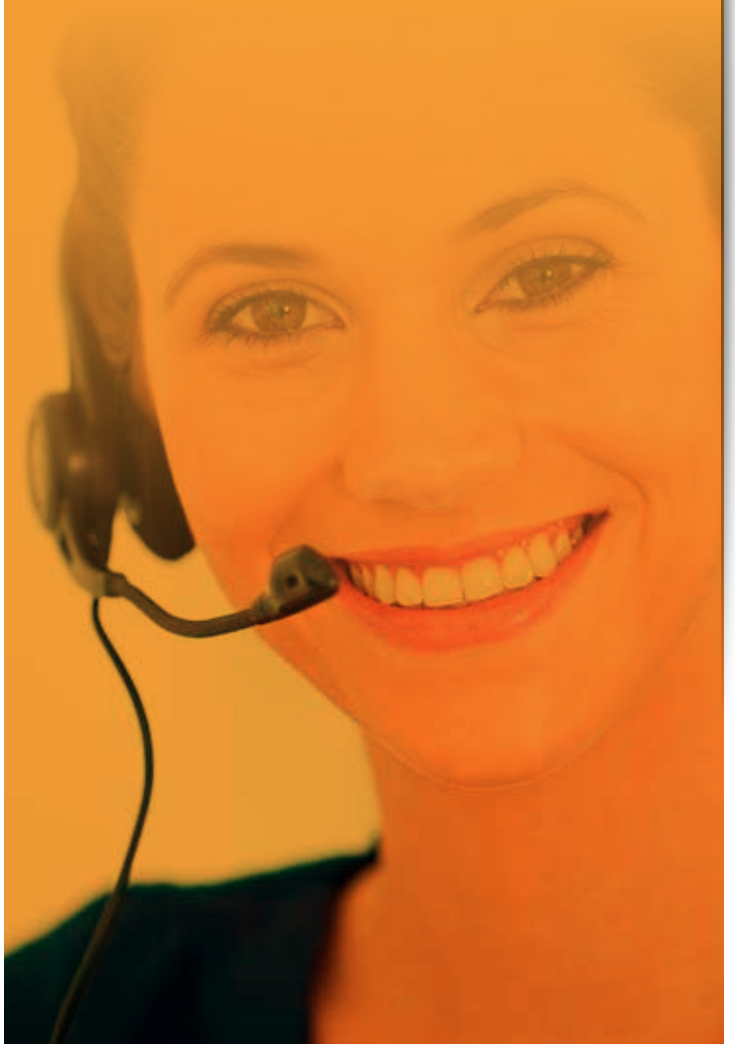
your expert...

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.



TECHNICAL SUPPORT

LOCAL AND REMOTE TECHNICAL SUPPORT

- Specialized technicians.
- Direct contact by phone and on site if necessary for VIP customers.
- Training on all products.
- Commissioning by a Technical Station Approved by Airwell (TSA).

CALL CENTER

- Quick and effective answers delivered by our experts.
- High availability.
- A multilingual center.
- Professionals trained continuously.
- A customer and service approach first!
- Listening and assistance until the complete customer satisfaction.

+33 (0)1 76 21 82 95

DEDICATED TOOLS

INTERNET WEBSITE



Online order:

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

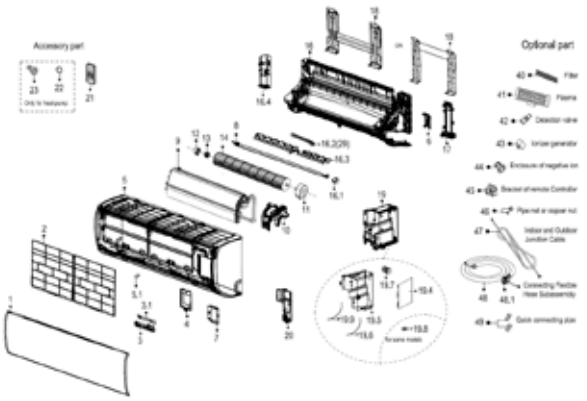


SPARE PARTS

FOR PRODUCTS UNDER AIWELL SUPPORT

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 5pm



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.



RANGE

- INDIVIDUAL RESIDENTIAL
- COLLECTIVE RESIDENTIAL
- SHOPS
- PUBLIC BUILDING
- INDUSTRY

CERTIFICATIONS

Airwell participates in the Eurovent certification program.

Eurovent certification confirmes the performance of its air conditioning products (splits and multisplits with at least two indoor units), in accordance with european and international standards. This common platform for all manufacturers improves the integrity and accuracy of the industry's performance.

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

See Airwell products certified Eurovent on the site:
www.eurovent-certification.com

AFAQ ISO 9001

AFAQ ISO 14001

The performance of Airwell products meets EN-14825 (seasonal energy standard). Airwell's production sites are ISO 9001 and ISO 14001 certified and by most recognized certification bodies.

FOCUS ON...

HDH HIGH WALL

- Optimum air quality: high filtration.
- Ecological solution: refrigerant R32.
- Smart air conditioning: WiFi remote control.

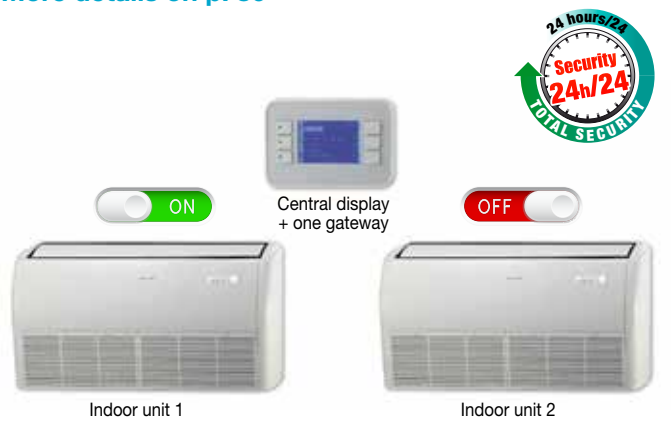
More details on p. 16



AIRTELECOM REDUNDANCY SOLUTION

- Securing a room sensitive to temperature maintenance, by installing two air conditioners jointly regulated.
- Automatic switching of the air conditioner operation in case of failure of one of them.
- Predictive maintenance: history of defect reporting on a central and online display.

More details on p. 80



MINI DRV RANGE

- Capacity range: 3, 4 and 5 HP (8 to 15 kW).
- Compact solution: small footprint.
- High performance: COP until 4.2.
- Easy maintenance.

More details on p. 88

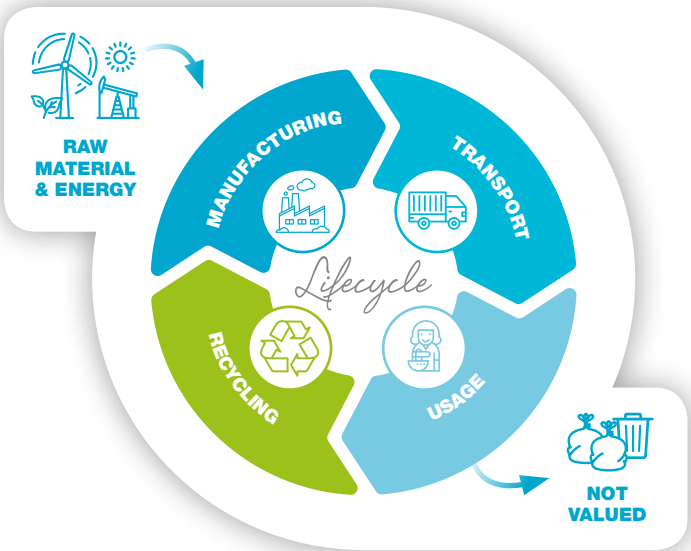


ENVIRONMENTAL APPROACH

Airwell is part of an eco-environmental approach, which includes the analysis of the life cycle of its products with the development of a Product Environmental Profile (PEP).

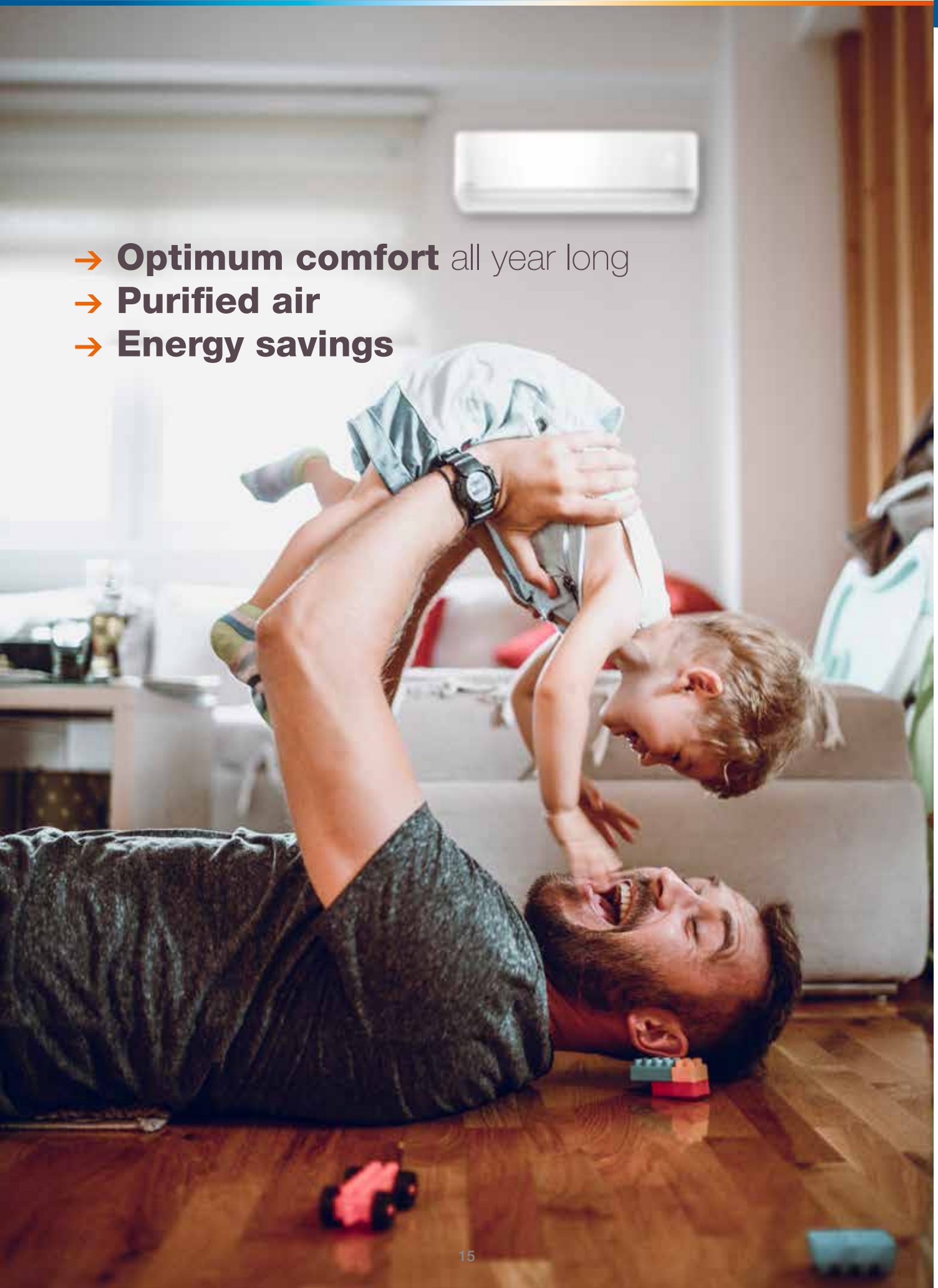
Airwell offers a range of R32 refrigerant products with low environmental impact.

This fluid offers better performance for less pollution (low Global Warming Potential).



High wall range

MODEL NAME		Fluid type	Page	kBTU/h kW	9 2.5	12 3.5	18 5	24 7
 MURAL MONOSPLIT & MULTISPLIT **Optimum comfort: quiet, high filtration, WiFi**	NEW **HDH**	R32	16		●	●	●	●
 MURAL MONOSPLIT & MULTISPLIT **Operates with refrigerant with low environmental impact**	NEW **HKD**	R32	18		●	●	●	●
 HIGH WALL MONOSPLIT & MULTISPLIT **Best seller**	**HKD**	R410A	20		●	●	●	●



→ **Optimum comfort** all year long
→ **Purified air**
→ **Energy savings**

HDH
HIGH WALL MONOSPLIT & MULTISPLIT





N NEW

A++

PRODUCTS

- Purified air.
- Connected solution (WiFi built-in).
- Silent heat pump.
- Compatible in monosplit and multisplit.



RC08C (included) RCW22 (optional)

→ High efficiency (SCOP higher than 4 and SEER higher than 6): energy savings.
→ Comfort “I Feel”: temperature sensor in RC08C remote control.
→ Reduced energy consumption using the heating only mode.
→ High wall with digital display (mode, temperature...).
→ 4D airflow: vertical and horizontal swing.
→ Technician mode *via* remote controller: parameter display (temperature sensors, compressor...).

FEATURES

TECHNOLOGY:

DC INVERTER · R32 FLUID · 4D AIRFLOW · GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:

NANO PHOTOCATALYTIC FILTER · AIR FILTER · AUTO CLEAN/DRY

USER FUNCTIONS:

I FEEL · NIGHT MODE · SUPER QUIET · REFRIGERANT LEAKAGE DETECT · PROGRAMMABLE TIMER · AUTO RESTART (MEMORY) · REMOTE CONTROL LOCK · WIFI

INSTALLER FUNCTIONS:

ERROR CODE *VIA* INDOOR UNIT · SELF DIAGNOSTIC · LEFT/RIGHT DRAIN CONNEXION · HEATING ONLY MODE · DRY CONTACT ON/OFF · SERVICE MONITOR TOOL



ULTRA-PUR AIR THANKS TO:
• Cold catalyst and high density filters: **anti small dust particles**.
• Active carbon filter: **deodorizer**.
• Silver ion filter: **antibacterial**.

OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW22	7ACEL1778		Weekly timer, mode, fan speed, timer On/Off, “I Feel” function, temperature.
Dry contact On/Off	7ACEL1788		External control of air conditioner.
Test tool for high wall	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
Water pump FlowatchDesign	7ACTL0518		Evacuate condensates from indoor units.

HDH TECHNICAL DATA

Indoor unit		AW-HDH009-N91	AW-HDH012-N91	AW-HDH018-N91	AW-HDH024-N91
Outdoor unit		**AW-YHDH009-H91**	**AW-YHDH012-H91**	**AW-YHDH018-H91**	**AW-YHDH024-H91**
Phase		Single phase	Single phase	Single phase	Single phase
COOLING					
Rated power (min./max.)	**kW**	**2.69 (1.02-3.19)**	**3.52 (0.82-4.16)**	**5.28 (1.73-6.21)**	**7.32 (2.58-8.43)**
Pdesignc	**kW**	**2.6**	**3.5**	**5.3**	**7.2**
Rated power input	kW	0.749	1.089	1.538	2.402
SEER/Energy label		7.1/A++	7.5/A++	6.7/A++	6.9/A++
Operating limits	°C	-15°/50° Dry bulb			
HEATING					
Rated power (min./max.)	**kW**	**2.93 (0.88-3.66)**	**3.81 (0.85-4.77)**	**5.56 (1.05-6.97)**	**7.61 (1.52-9.43)**
Pdesignh (average climate)	**kW**	**2.6**	**2.7**	**3.9**	**5.1**
Rated power input	kW	0.715	1.050	1.461	2.177
SCOP/Energy Label (average climate)		4/A+	4.2/A+	4/A+	4/A+
Operating limits	°C	-15°/30° Dry bulb			
Power @ -10°C	kW	2.34	3.04	4.44	6.08
Power @ -15°C	kW	2.19	2.85	4.17	5.70
INDOOR UNIT					
Sound pressure level to 1 m (VL/LS/MS/HS)	dB (A)	21/22/29/37	21/22/30/38	24/27/33/42	26/30/40/46
Sound power level	dB (A)	53	55	57	60
Airflow (LS/MS/HS)	m³/h	259/429/521	294/478/539	420/505/750	560/750/1050
Dehumidification	l/h	1	1.2	1.7	2.4
Outline dimensions (WxHxD)	mm	722x290x187	802x297x189	965x319x215	1080x335x226
Package dimensions (WxHxD)	mm	790x370x270	875x375x285	1045x405x305	1155x415x315
Net weight/Gross weight	kg	7.4/9.6	8.2/10.7	9/12.2	12/15.2
Part number		**7SP023141**	**7SP023142**	**7SP023143**	**7SP023144**
OUTDOOR UNIT					
Sound pressure level to 1 m	dB (A)	55	55	57	59
Sound power level	dB (A)	58	60	60	65
Airflow	m³/h	2000	2000	2100	2700
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter
Outline dimensions (WxHxD)	mm	770x555x300	770x555x300	800x554x333	845x700x320
Package dimensions (WxHxD)	mm	900x585x345	900x585x345	920x615x390	965x765x395
Net weight/Gross weight	kg	26.4/28.9	26.5/28.8	37/39.9	48/51.3
Part number		**7SP063035**	**7SP063036**	**7SP063037**	**7SP063038**
POWER SUPPLY					
Phase/Voltage/Frequency		1P/230V/50-60Hz	1P/230V/50-60Hz	1P/230V/50-60Hz	1P/230V/50-60Hz
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating am (D curve)	A	10	10	16	25
Electrical connections	mm²	5x1.5	5x1.5	5x1.5	5x2.5
PIPE LINE					
Suction pipe diameter	inches	3/8”	3/8”	1/2”	5/8”
Liquid pipe diameter	inches	1/4”	1/4”	1/4”	3/8”
Max. length	m	25	25	30	50
Max. height	m	10	10	20	25
Refrigerant/GWP		**R32/675**	**R32/675**	**R32/675**	**R32/675**
Charge (5 m)	kg	0.7	0.8	1.25	1.6

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
High wall	**Monosplit**	**Multisplit**
HDH	YHDH	YDZC
		

HKD
HIGH WALL MONOSPLIT & MULTISPLIT





N NEW

A++

Available in R410A fluid

- → High efficiency (SCOP higher than 4 and SEER higher than 6): energy savings.
- → Comfort “I Feel”: temperature sensor in RC08C remote control.
- → Reduced energy consumption using the heating only mode.
- → High wall with digital display (mode, temperature...).
- → Technician mode *via* remote controller: parameter display (temperature sensors, compressor...).

PRODUCTS

- Competitive and multi matching solution.
- Silent heat pump.
- **Connected solution (WiFi).**



RC08C (included)



RCW8 (optional)

FEATURES

TECHNOLOGY:

DC INVERTER — DC INVERTER

R32 — R32 FLUID

GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:

AIR FILTER

AUTO — AUTO CLEAN/DRY

USER FUNCTIONS:

I FEEL — I FEEL

NIGHT MODE

REFRIGERANT LEAKAGE DETECT

24 H — PROGRAMMABLE TIMER

RESTART — AUTO RESTART (MEMORY)

REMOTE CONTROL LOCK

Air.Net — WIFI

INSTALLER FUNCTIONS:

88 — ERROR CODE *VIA* INDOOR UNIT

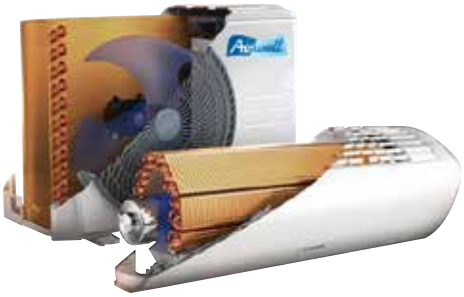
SELF DIAGNOSTIC

LEFT/RIGHT DRAIN CONNECTION

HEATING ONLY MODE — HEATING ONLY MODE

SERVICE MONITOR TOOL

Longer product lifetime: golden fins exchanger and anti-corrosion treatment on PCB.



OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW8	7ACEL1706		Mode, fan speed, timer On/Off, temperature and swing.
Test tool for high wall	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
Air Net WiFi module	7ACEL1744		Control air conditioners with your mobile phone, tablet or computer with wireless router and internet.
Water pump FlowatchDesign	7ACTL0518		Evacuate condensates from indoor units.

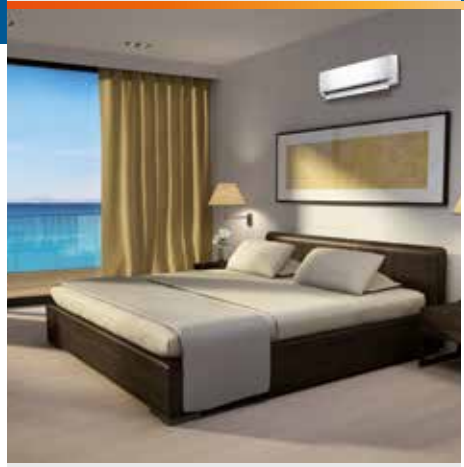
HKD TECHNICAL DATA

Indoor unit		AW-HKD009-N91	AW-HKD012-N91	AW-HKD018-N91	AW-HKD024-N91
Outdoor unit		**AW-YKD009-H91**	**AW-YKD012-H91**	**AW-YKD018-H91**	**AW-YKD024-H91**
Phase		Single phase	Single phase	Single phase	Single phase
COOLING					
Rated power (min./max.)	**kW**	**2.64 (0.91-3.40)**	**3.52 (1.11-4.16)**	**5.28 (1.82-6.13)**	**7.03 (2.08-7.95)**
Pdesignc	**kW**	**2.7**	**3.52**	**5.28**	**7.03**
Rated power input	kW	0.71	1.24	1.54	2.35
SEER/Energy label		6.2/A++	6.1/A++	7.1/A++	6.1/A++
Operating limits	°C	-15°/50° Dry bulb			
HEATING					
Rated power (min./max.)	**kW**	**2.93 (0.82-3.37)**	**3.81 (1.08-4.22)**	**5.57 (1.38-6.74)**	**7.33 (1.61-8.79)**
Pdesignh (average climate)	**kW**	**2.1**	**2.3**	**4.1**	**4.8**
Pdesignh (warmer climate)	**kW**	**2.60**	**2.70**	**4.5**	**6.4**
Rated power input	kW	0.74	0.96	1.48	2.04
SCOP/Energy label (average climate)		4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy label (warmer climate)		4.9/A++	4.6/A++	5.2/A+++	5.0/A++
Operating limits	°C	-20°/30° Dry bulb			
INDOOR UNIT					
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	21/26/30/40	22/26/34/40	25/30/37/44	28/34/42/44
Sound power level	dB(A)	53	53	55	59
Airflow (LS/MS/HS)	m³/h	360/460/520	360/500/600	540/680/840	662/817/980
Outline dimensions (WxHxD)	mm	805x285x194	805x285x194	957x302x213	1040x327x220
Package dimensions (WxHxD)	mm	870x360x270	870x360x270	1035x380x295	1120x405x310
Net weight/Gross weight	kg	7.5/9.7	7.5/9.7	10/13	12.3/15.8
Part number		**7SP023135**	**7SP023136**	**7SP023137**	**7SP023138**
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	55	56	56	59
Sound power level	dB(A)	61	61	65	67
Airflow	m³/h	1700	1700	2500	3000
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter
Outline dimensions (WxHxD)	mm	700x550x275	700x550x275	800x554x333	845x702x363
Package dimensions (WxHxD)	mm	815x615x325	815x615x325	920x615x390	965x765x395
Net weight/Gross weight	kg	22.7/25.2	22.7/25.2	34/36.7	51.5/54.5
Part number		**7SP063040**	**7SP063041**	**7SP063042**	**7SP063043**
POWER SUPPLY					
Phase/Voltage/Frequency		1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating am (D curve)	A	10	10	16	25
Electrical connections	mm²	5x1.5	5x1.5	5x1.5	5x2.5
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Max. length	m	25	25	30	50
Max. height	m	10	10	20	25
Refrigerant/GWP		**R32/675**	**R32/675**	**R32/675**	**R32/675**
Charge (5 m)	kg	0.5	0.5	1.0	1.6

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
High wall	**Monosplit**	**Multisplit**
HKD 9 à 24 	YKD 	YDZC 

HKD
HIGH WALL MONOSPLIT & MULTISPLIT





A++

Available in R32 fluid

- → High efficiency (SCOP higher than 4 and SEER higher than 6): energy savings.
- → Comfort “I Feel”: temperature sensor in RC08C remote control.
- → Reduced energy consumption using the heating only mode.
- → High wall with digital display (mode, temperature...).

PRODUCTS

- Competitive and multi matching solution.
- **Connected solution (WiFi).**



RC08C (included)



RCW8 (optional)

Refrigerant leakage detection alarm system



FEATURES

TECHNOLOGY:

DC INVERTER · R410A FLUID · GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:

AIR FILTER · AUTO CLEAN/DRY

USER FUNCTIONS:

I FEEL · NIGHT MODE · REFRIGERANT LEAKAGE DETECT · PROGRAMMABLE TIMER · AUTO RESTART (MEMORY) · REMOTE CONTROL LOCK · WIFI

INSTALLER FUNCTIONS:

ERROR CODE VIA INDOOR UNIT · SELF DIAGNOSTIC · LEFT/RIGHT DRAIN CONNECTION · HEATING ONLY MODE · SERVICE MONITOR TOOL

OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW8	7ACEL1706		Mode, fan speed, timer On/Off, temperature and swing.
Test tool for high wall	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
Air Net WiFi module	7ACEL1744		Control air conditioners with your mobile phone, tablet or computer with wireless router and internet.
Water pump FlowatchDesign	7ACTL0518		Evacuate condensates from indoor units.

HKD TECHNICAL DATA

Indoor unit		AWSI-HKD009-N11	AWSI-HKD012-N11	AWSI-HKD018-N11	AWSI-HKD024-N11
Outdoor unit		**AWAU-YKD009-H11**	**AWAU-YKD012-H11**	**AWAU-YKD018-H11**	**AWAU-YKD024-H11**
Phase		**Single phase**	**Single phase**	**Single phase**	**Single phase**
COOLING					
Rated power (min./max.)	**kW**	**2.65 (1.0 -3.2)**	**3.54 (1.08-4.1)**	**5.0 (1.8-6.1)**	**6.8 (2.7-7.8)**
Pdesignc	**kW**	**2.65**	**3.54**	**5.0**	**6.8**
Rated power input	kW	0.775	1.096	1.548	2.411
SEER/Energy label		**6.1/A++**	**6.1/A++**	**6.5/A++**	**6.1/A++**
Operating limits	°C	-15°/50° Dry bulb			
HEATING					
Rated power (min./max.)	**kW**	**2.7 (0.82-3.3)**	**3.2 (0.9-4.2)**	**5.0 (1.4-6.7)**	**7.3 (1.6-8.7)**
Pdesignh (average climate)	**kW**	**2.2**	**2.3**	**4.2**	**5.5**
Pdesignh (warmer climate)	**kW**	**2.8**	**2.9**	**4.4**	**6.3**
Rated power input	kW	0.728	0.863	1.348	2.274
SCOP/Energy label (average climate)		4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy label (warmer climate)		**5.1/A+++**	**5.3/A+++**	**5.1/A+++**	**5.1/A+++**
Operating limits	°C	-15°/30° Dry bulb			
Power @ -10°C	kW	2.70	3.00	4.20	6.40
Power @ -15°C	kW	2.30	2.50	3.60	5.80
INDOOR UNIT					
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	23/29/34/38	24/33/37/42	24/32/36/42	32/35/40/44
Sound power level	dB(A)	54	54	57	60
Airflow (LS/MS/HS)	m³/h	270/320/420	370/470/570	540/680/840	640/800/980
Dehumidification	l/h	1.0	1.2	1.7	2.4
Outline dimensions (WxHxD)	mm	715x285x194	805x285x194	957x302x213	1040x327x220
Package dimensions (WxHxD)	mm	780x360x270	870x360x270	1035x380x295	1120x405x310
Net weight/Gross weight	kg	6.8/8.9	7.2/9.6	9.5/12.5	11.9/15.2
Part number		**7SP023130**	**7SP023131**	**7SP023132**	**7SP023133**
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	51	53	55	59
Sound power level	dB(A)	61	61	65	66
Airflow	m³/h	1800	1800	2100	2700
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter
Outline dimensions (WxHxD)	mm	770x555x300	770x555x300	800x554x333	845x702x363
Package dimensions (WxHxD)	mm	900x585x345	900x585x345	920x615x390	965x755x395
Net weight/Gross weight	kg	25.2/27.4	25.5/27.7	37.8/40.5	48.4/51.6
Part number		**7SP062910**	**7SP062911**	**7SP062952**	**7SP062913**
POWER SUPPLY					
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating am (D curve)	A	10	10	16	25
Electrical connections	mm²	5x1.5	5x1.5	5x1.5	5x2.5
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"
Max. length	m	25	25	30	50
Max. height	m	10	10	20	25
Refrigerant/GWP		**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**
Charge (5 m)	kg	0.8	0.8	1.48	1.85
Additional charge	g/m	15	15	15	30

COMBINATIONS

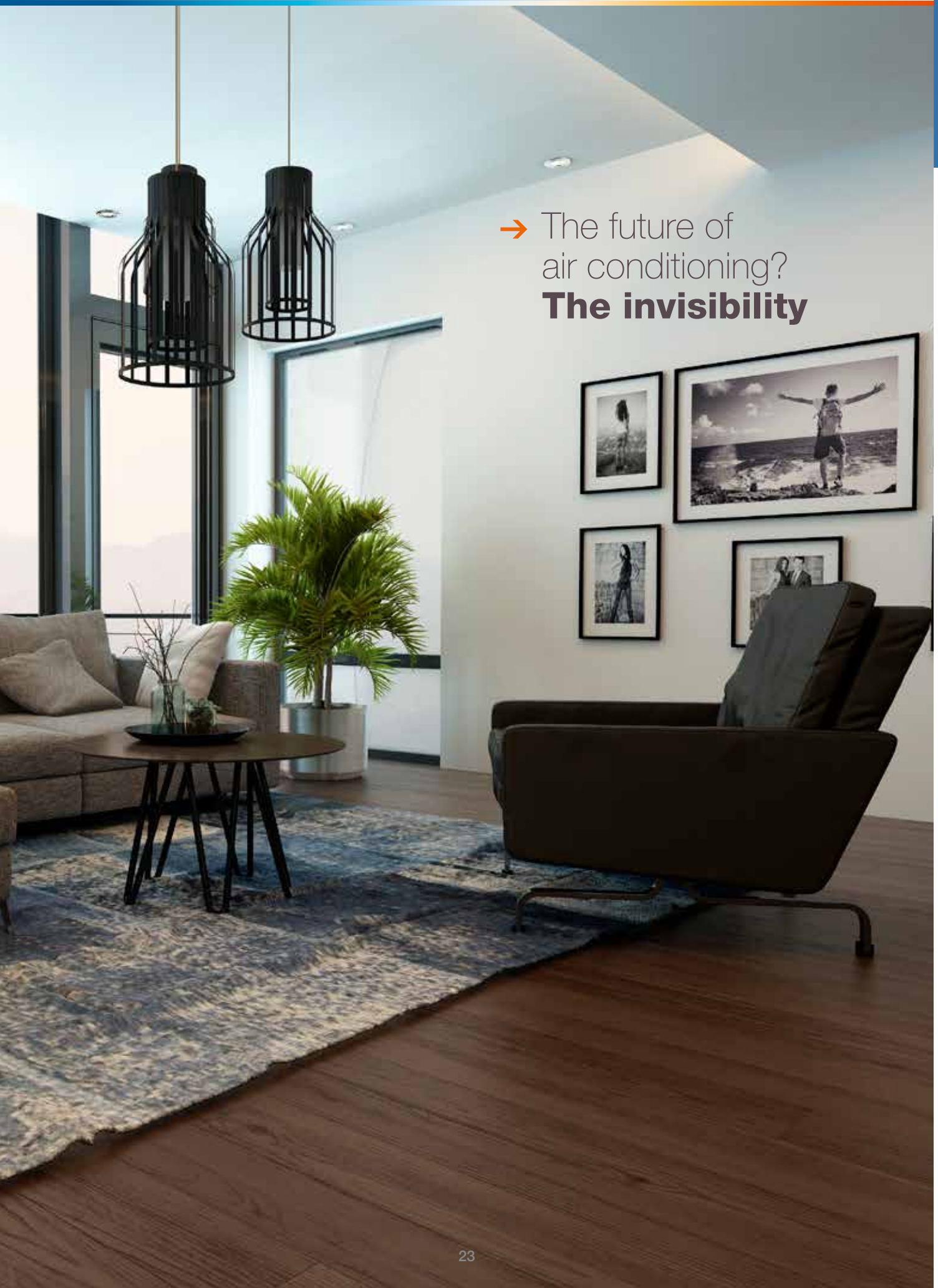
Indoor unit	Compatible with outdoor unit
High wall	**Monosplit**
HKD 9 to 24	YKD





Ducted range

MODEL NAME		Fluid type	Page	kBTU/h kW	12 3.5	18 5	24 7	30 8	36 10	45 12.5	60 16	76 22	95 28
 DUCTED MEDIUM STATIC PRESSURE MONOSPLIT **Zone control: ideal temperature in each room**	**DLSE**	R410A	24			●	●	●	●	●			
 DUCTED MEDIUM STATIC PRESSURE MONOSPLIT & MULTISPLIT **Designed to fit into tight false ceiling**	NEW **DDM**	R32 - R410A	30		●	●	●		●	●	●		



→ The future of
air conditioning?
The invisibility

Unique solutions

DLSE Plus VAV

Variable Air Volume

Zone control: ideal temperature in each room

**THE SOLUTION DLSE + VAV ALLOWS
UP TO 30% SAVINGS (installation and equipment)
IN RELATION TO STANDARD SYSTEMS**

- → Invisible solution to heat and refresh the whole house.
- → Super quiet running.
- → Inexpensive installation (less tubbing work...).
- → Low-cost system (only one indoor unit).





ZONE CONTROL FUNCTION

- Smart air conditioning: Controls up to 6 rooms.
- Each zone has a standalone remote control, to control temperature, “I Feel” function and On/Off.
- Option to define automatic damper movement or manually to keep max. opening position.
- By-pass damper operates according to system load, which ensures air circulation in the indoor unit.
- Auto-mode: automatically recognizes cooling or heating mode.
- Motorized damper with DC step motor for accurate damper position.
- The blowing dampers change their position (open/close), in accordance with the temperature setpoint in each room, which keeps required temperature.

EASY INSTALLATION

- Simple wiring connection by connectors and set up.
- Up to 70 m between indoor and outdoor units.
- Monosplit indoor unit: time saving (little tubing).
- Option for installing the control box besides the unit.
- Water pump and overflow switch built in.

Good to know!

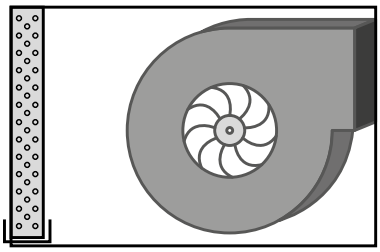
Use our design document to select easily your system.

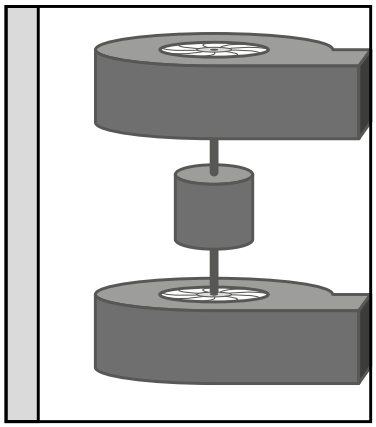
Ask us this helpful file: mkg@airwell-res.com

SPECIAL DESIGN FOR YOUR CONVENIENCE

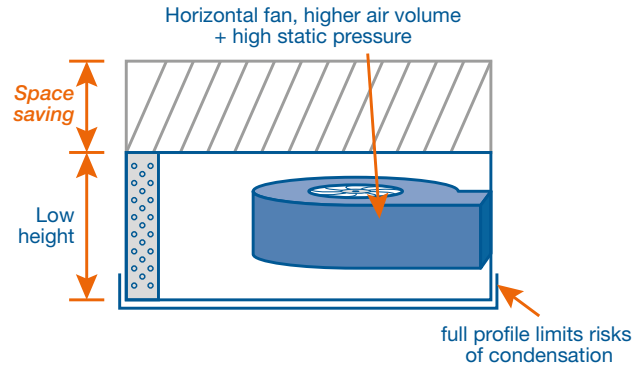
- Unique V shape coil.
- Extra slim indoor unit (low height: 256 mm only).

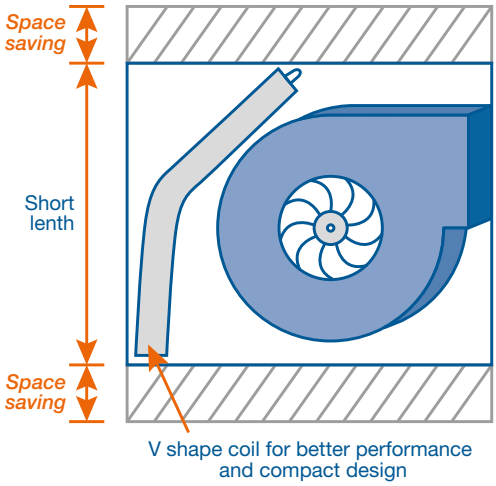
STANDARD DESIGN





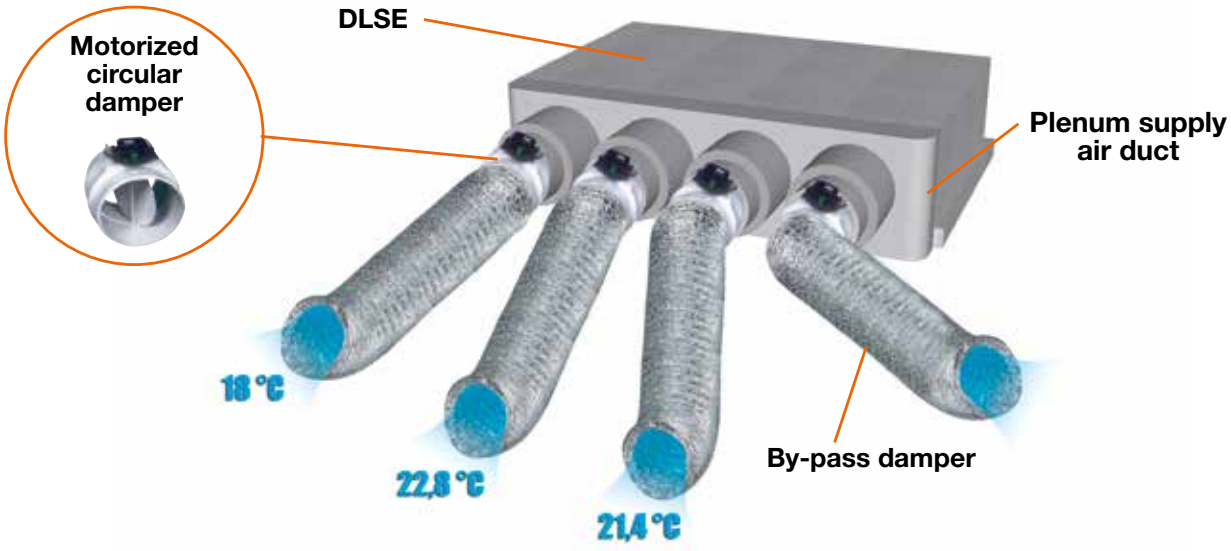
DLSE





How to order?

- The main controller is identical except the set up which is done during the installation.
- After that, select motorized round damper, by-pass damper and plenum (see tables below).



MOTORIZED ROUND TYPE ACCESSORIES

Part description	Part number
DLSE kit **(mandatory)**	7ACEL1745
Main controller VAV kit **(mandatory)**	7ACEL1641
Motorized round damper (D=155 mm) kit (wireless controller C85-R included)	7ACEL1657
Motorized round damper (D=200 mm) kit (wireless controller C85-R included)	7ACEL1649
Motorized round damper (D=250 mm) kit (wireless controller C85-R included)	7ACEL1650
Motorized by-pass round damper (D=200 mm) kit	7ACEL1651
Motorized by-pass round damper (D=250 mm) kit	7ACEL1652

PLENUM ACCESSORIES

Part description	Models	Part number
4 outlets in 200 mm + 1 bypass 200 mm (1 obturator 200 mm included)	DLSE 18/24/30	7ACVF0130
4 outlets in 200 mm + 2 outlets in 160 mm + 1 bypass in 200 mm (1 obturator 200 mm included)	DLSE 18/24/30	7ACVF0131
3 outlets in 200 mm + 1 bypass in 200 mm (intake) (2 obturators 200 mm included)	DLSE 18/24/30	7ACVF0132
4 outlets in 200 mm + 1 bypass in 200 mm (1 obturator 200 mm included)	DLSE 36/43	7ACVF0133
4 outlets in 200 mm + 2 outlets in 160 mm + 1 bypass 200 mm (1 obturator 200 mm included)	DLSE 36/43	7ACVF0134
3 outlets in 250 mm+1 bypass in 200 mm (intake) (2 obturators in 250 mm included)	DLSE 36/43	7ACVF0135

DLSE+VAV DUCTED MEDIUM STATIC PRESSURE MONOSPLIT





Unique solutions : A++

- → Comfort “I Feel”: temperature sensor in RC08W remote control.
- → Energy savings *via* variation of the airflow of the outdoor unit.
- → A set temperature in each room with a single monosplit system.
- → Guaranteed energy saving through weekly programming.
- → Anti-corrosion treatment that increases the life of the unit.

PRODUCTS

- Variable Air Volume Solution.
- Water pump included.
- Super quiet.



RCW2 (included)



C85-R (included with damper)

FEATURES

TECHNOLOGY:

DC INVERTER · R410A FLUID · ELECTRONIC EXPANSION VALVE

USER FUNCTIONS:

I FEEL · NIGHT MODE · QUIET MODE · PROGRAMMABLE TIMER · AUTO RESTART (MEMORY) · REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

SELF DIAGNOSTIC · ALARM OUTPUT · BMS COMPATIBLE · SERVICE MONITOR TOOL · POWER CONSUMPTION CONTROL · OUTDOOR UNIT NIGHT MODE DRY CONTACT (DLSE 24-30-36) · OUTDOOR UNIT STAND-BY (DLSE 24-30-36) · OUTDOOR UNIT ALARM OUTPUT (DLSE 24-30-36) · DRY CONTACT ON/OFF · TECHNICIAN TEST MODE



OPTIONS

Accessory	Part number	Photo	Function
Wireless controller	NC		Operation mode, night mode, timer, “I Feel” function, swing, clean mode...
Water pump Mini Flowatch MF2	7ACTL0517		Evacuate condensates from indoor units.

See option VAV accessories on page 27.

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com
All sizes except DLSE 043

DLSE TECHNICAL DATA

Indoor unit		AWSI-DLSE018-N11	AWSI-DLSE024-N11	AWSI-DLSE030-N11	AWSI-DLSE036-N11		AWSI-DLSE043-N11	
Outdoor unit		**AWAU-YBDE018-H11**	**AWAU-YBDE024-H11**	**AWAU-YBDE030-H11**	**AWAU-YBD036-H11**	**AWAU-YBD036-H13**	**AWAU-YBD042-H11**	**AWAU-YAD042-H13**
Phase		**Single phase**	**Single phase**	**Single phase**	**Single phase**	**Three phase**	**Single phase**	**Three phase**
COOLING								
Rated power (min./max.)	**kW**	**5.0 (2.3-5.9)**	**6.8 (1.7-7.4)**	**7.5 (2.8-8.4)**	**9.5 (4.8-12.5)**	**9.5 (4.8-12.5)**	**12.5 (4.5-14.5)**	**12.5 (4.5-14.5)**
Pdesignc	**kW**	**5.0**	**6.8**	**7.5**	**9.5**	**9.5**	**-**	**-**
Rated power input	kW	1.22	1.93	2.02	3.47	3.04	3.73	3.56
SEER/Energy label		5.8/A+	5.4/A	6.2/A++	6.2/A++	4.7/B	3.35/A	3.51/A
Operating limits	°C	-10°/46° Dry bulb						
HEATING								
Rated power (min./max.)	**kW**	**5.6 (1.9-7.5)**	**7.6 (1.8-8.5)**	**8.6 (2.8-9.4)**	**10.5**	**11.6 (4.9-12.5)**	**14.0 (4.5-16.0)**	**14.0 (4.5-16.0)**
Pdesignh		**5.5**	**7.5**	**8.6**	**9.5**	**10.5**	**-**	**-**
Rated power input	kW	1.35	1.88	2.26	2.46	3.00	4.1	3.99
SCOP/Energy label (average climate)		3.9/A	3.8/A	4.0/A+	4.0/A+	3.9/A	3.41/A	3.51/A
SCOP/Energy label (warmer climate)		4.6/A++	4.9/A++	5.2/A+++	4.8/A++	4.7/A++	-	-
Operating limits	°C	-15°/24° Dry bulb						
Power @ -10°C	kW	5.3	5.8	7.1	6.9	8.9	9.3	9.3
Power @ -15°C	kW	4.7	5.2	6.3	6.2	8.0	8.3	8.3
INDOOR UNIT								
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	35/38/41/43	38/42/45/48	39/43/46/48	41/45/46/48	41/45/46/48	42/46/53	42/46/53
Sound power level (VL/LS/MS/HS)	dB(A)	52/55/58/60	55/59/62/65	56/60/63/65	56/61/63/65	56/61/63/65	57/61/70	57/61/70
Airflow (VL/LS/MS/HS)	m³/h	740/875/1060/1150	870/1090/1220/1410	950/1140/1290/1410	1290/1550/1670/1750	1290/1550/1670/1750	1315/1530/2025	1315/1530/2025
External static pressure (standard/max.)	Pa	25 (25-60)	25 (25-80)	25 (25-80)	37 (37-100)	37 (37-100)	50 (50-100)	50 (50-100)
Dehumidification	l/h	1.5	2.3	2.7	3.5	4.6	3.3	3.8
Outline dimensions (WxHxD)	mm	790x256x749	790x256x749	790x256x749	854x297x816	854x297x816	854x297x816	854x297x816
Package dimensions (WxHxD)	mm	960x300x855	960x300x855	960x300x855	1005x345x915	1005x345x915	1005x345x915	1005x345x915
Net weight/Gross weight	kg	29/31.5	30/32.5	31/33.5	33/35.5	33/35.5	33/35.5	33/35.5
Part number		**7SP032154**	**7SP032155**	**7SP032156**	**7SP032157**	**7SP032157**	**7SP032087**	**7SP032087**
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	53	55	56	58	58	58	58
Sound power level	dB(A)	65	67	68	69	69	70	70
Airflow	m³/h	2500	2750	3400	4150	4150	5700	5700
Compressor type		Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Scroll DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	900x700x340	900x700x340	900x860x340	900x970x340	900x970x340	900x1250x340	900x1250x340
Package dimensions (WxHxD)	mm	985x730x435	985x730x435	985x905x435	985x1020x435	985x1020x435	980x1400x420	980x1400x420
Net weight/Gross weight	kg	56/58.5	61/63.5	66/68.5	80/82.8	85/87.8	110/121	110/121
Part number		**7SP061886**	**7SP061887**	**7SP061922**	**7SP061923**	**7SP061900**	**7SP061815**	**7SP061757**
POWER SUPPLY								
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/400V/50Hz	1P/230V/50Hz	3P/400V/50Hz
Power supply side		Ind. & Out.	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x2.5	3x2.5	3x2.5	3x4.0	5x2.5	3x6.0	5x2.5
Fuse rating am (D curve)	A	20	20	20	25	3x16	32	3x16
Electrical connections	mm²	4x1.5	4x1.5	4x1.5	3x1.5 + 2x0.75	3x1.5 + 2x0.75	3x1.5 + 2x0.75	3x1.5 + 2x0.75
PIPE LINE								
Suction pipe diameter	inches	1/2"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"
Liquid pipe diameter	inches	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Max. length	m	30	30	50	70	70	70	70
Max. height	m	15	15	25	30	30	30	30
Refrigerant/GWP		**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**
Charge (precharge length)	kg (m)	1.55 (15)	2.3 (15)	2.1 (15)	2.5 (30)	2.5 (30)	3.3 (30)	3.2 (30)
Additional charge	g/m	35	35	50	30	30	40	40

COMBINATIONS

Indoor unit	Compatible with outdoor unit
Ducted	**Monosplit**
DLSE 18 	YBDE 
DLSE 24 to 43 	YBDE 

Unique solutions

DDM

Twin application

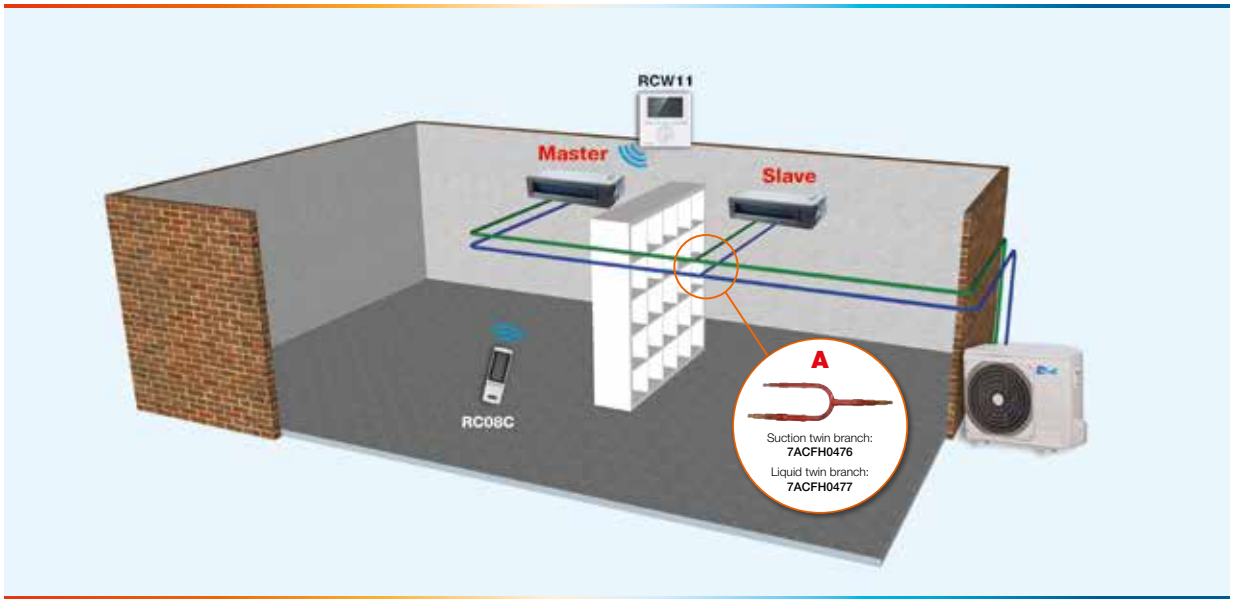
TWIN APPLICATION

NEW

The Twin application is used mainly in big open space where the total space area is controlled by one controller only for 2 units. Airwell Twin design allows to connect two similar indoor units to one common outdoor unit. The two indoor units are working in a same mode and set up only once, one indoor unit used as master.

The most cost saving solution for single-area spaces:

- → Simple installation by having one refrigerant fluid and control system.
- → Space saving by using one outdoor unit instead of two.
- → Low cost installation.
- → Simple control, one control station for big space.
- → Option to control by wireless or wired controller.
- → Ducted or cassette application.



	Indoor unit	Outdoor unit
Twin system	DDM024 + DDM024	YDFA048
	DDM036 + DDM036	YDFA060

Tubing & charge instructions	YDFA048	YDFA060
Pipe diameter (liquid-gas) (inches)	3/8"-5/8"	
Max. length (m)	30	60
Max. difference in branch length (m)	10	20
Max. height drop between indoor units (m)	0.5	0.5
Max. height drop between indoor and outdoor units (m)	20	20
Max. branch length (m)	15	30

MANDATORY ACCESSORIES

Accessory	Part number	Photo	Description	Function
Branch gas	7ACFH0476		Twin branch suction	Tube branch to collect all suction lines. **Mandatory for Twin application.**
Branch liquid	7ACFH0477		Twin branch liquid	Tube branch to collect all liquid lines. **Mandatory for Twin application.**

DDM DUCTED MEDIUM STATIC PRESSURE MONOSPLIT & MULTISPLIT





DDM 012



DDM 018-060

- Comfort “I Feel”: temperature sensor in the remote control RC08C.
- Designed for easy maintenance and installation.
- Reduced energy consumption using the heating only mode.
- Optmisation of the stock thanks to a multi-range external group (YDFA).
- Port for ventilation fan: increase static pressure or useful for adjacent room.

PRODUCTS

- **Twin application.**
- External static pressure until 160 Pa.
- Compatible in monosplit and multisplit.



RCW11 (included) RC08C (optional) RCW20 (optional)

FEATURES

TECHNOLOGY:

FLEXY MATCH · DC INVERTER · R32 FLUID · ELECTRONIC EXPANSION VALVE · TWIN APPLICATION · GOLDEN FIN TREATMENT · REDUNDANCY FUNCTION

AIR QUALITY/CLEAN:

AIR FILTER · FRESH AIR

USER FUNCTIONS:

I FEEL · NIGHT MODE · PROGRAMMABLE TIMER · AUTO RESTART (MEMORY) · REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

ERROR CODE *VIA* INDOOR UNIT · SELF DIAGNOSTIC · INTEGRATED WATER PUMP · LEFT/RIGHT DRAIN CONNECTION · ALARM OUTPUT · DRY CONTACT ON/OFF · HEATING ONLY MODE · BMS COMPATIBLE · SERVICE MONITOR TOOL



OPTIONS

Accessory	Part number	Photo	Function/Description
Wireless controller RC08C	7ACEL1740		Timer, eco mode, “Follow me” option, swing, technician mode, heating only mode.
Wired single control RCW20 + adaptor	7ACEL1775 + 7ACEL1776		**Zone control**, mode, fan speed, timer On/Off, “I Feel” function, temperature. One adaptor by unit is required (order separately).
Central controller RCW21	7ACEL1777		**Central controller.** Controls up to 64 indoor units with individual setting failure codes indication, On/Off dry contact, last operation memory.
BMS gateway	7ACEL1708		Maximum 1024 units could be connected (16 gateways).
Test tool	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
Insulated air duct plenum	7ACVF0136		3 ducts DN160. For DDM 12-18.
	7ACVF0137		3 ducts DN 160. For DDM 24.
	7ACVF0138		3 ducts DN 160. For DDM 36.
	7ACVF0139		3 ducts DN 160. For DDM 48-60.

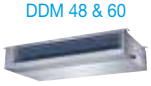
EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com
All sizes except DDM 048-060

DDM TECHNICAL DATA

Indoor unit		AW-DDM012-N91	AW-DDM018-N91	AW-DDM024-N91	AW-DDM036-N91	AW-DDM036-N91	AW-DDM048-N91	AW-DDM060-N91
Outdoor unit R32		**AW-YDFA012-H91**	**AW-YDFA018-H91**	**AW-YDFA024-H91**	**AW-YDFA036-H91**	**AW-YDFA036-H93**	**AW-YDFA048-H93**	**AW-YDFA060-H93**
Phase		**Single phase**	**Single phase**	**Single phase**	**Single phase**	**Three phase**	**Three phase**	**Three phase**
COOLING								
Rated power (min./max.)	**kW**	**3.52 (1.50-4.75)**	**5.28 (1.49-5.69)**	**7.03 (3.28-8.16)**	**10.55 (4.04-12.02)**	**10.55 (4.04-12.02)**	**14.07 (4.26-15.19)**	**15.24 (5.86-17.29)**
Pdesignc	**kW**	**3.52**	**5.3**	**7.03**	**10.5**	**10.5**	**14**	**15.4**
Rated power input	kW	0.95	1.63	2.19	4.00	4.10	5.15	5.42
SEER/Energy label		6.5/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++
Operating limits	°C	-15°/50° Dry bulb						
HEATING								
Rated power (min./max.)	**kW**	**4.10 (0.97-5.63)**	**5.86 (2.2-6.15)**	**7.62 (2.72-8.72)**	**11.14 (2.81-13.19)**	**11.14 (2.81-13.19)**	**16.12 (3.7-18.02)**	**18.17 (4.69-20.52)**
Pdesignh (average climate)	**kW**	**3.2**	**4.3**	**5.4**	**8.4**	**8.5**	**12**	**12.5**
Pdesignh (warmer climate)	**kW**	**3.7**	**5.3**	**6.1**	**10.5**	**10.5**	**12.5**	**13.1**
Rated power input	kW	1.10	1.58	2.05	3.10	3.00	4.28	5.33
SCOP/Energy label (average climate)		4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy Label (warmer climate)		5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++
Operating limits	°C	-15°/24° Dry bulb						
Power @ -10°C	kW	3.3	4.7	6.2	9.0	9.0	13.0	14.7
Power @ -15°C	kW	2.7	3.9	5.0	7.3	7.3	10.6	11.9
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	26/30/35	33/38/41	40/42/44	40/43/47	40/43/47	48/49/50	50/52/54
Sound power level	dB(A)	56	59	62	62	63	68	71
Airflow (LS/MS/HS)	m³/h	300/480/600	350/650/880	839/1054/1248	750/1150/1400	750/1150/1400	1680/2040/2400	1820/2210/2600
External static pressure (standard/max.)	Pa	25 (0-60)	25 (0-100)	25 (0-160)	37 (0-160)	37 (0-160)	50 (0-160)	50 (0-160)
Dehumidification	l/h	1.5	2.0	3	3.8	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	700x200x450	880x210x674	1100x249x774	1360x249x774	1360x249x774	1200x300x874	1200x300x874
Package dimensions (WxHxD)	mm	860x285x540	1070x280x725	1305x305x805	1570x305x805	1570x305x805	1405x355x915	1405x355x915
Net weight/Gross weight	kg	18/22	24.3/29.6	31.5/38.9	40.5/48.5	40.5/48.5	47.6/55.8	47.6/55.8
Part number		**7SP033031**	**7SP033032**	**7SP033033**	**7SP033034**	**7SP033034**	**7SP033035**	**7SP033036**
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	55	55	62	65	64	66	66
Sound power level	dB(A)	62	62	66	68	68	72	74
Airflow	m³/h	2000	2000	2700	4000	4000	7500	7500
Compressor type		Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm	920x625x390	920x615x390	965x765x395	1090x875x500	1090x875x500	1095x1480x495	1095x1480x495
Net weight/Gross weight	kg	34.7/37.5	33.7/36.6	49.4/52.8	66.8/73.4	81.5/87.0	106.7/119.9	111.3/124.3
Part number		**7SP063050**	**7SP063051**	**7SP063052**	**7SP063053**	**7SP063054**	**7SP063055**	**7SP063056**
POWER SUPPLY								
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/400V/50Hz	3P/400V/50Hz	3P/400V/50Hz
Power supply side		Outdoor	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.
Power cable section	mm²	3x1.5	3x1.5+3x2.5	3x1.5+3x2.5	3x1.5+3x4	3x1.5+5x2.5	3x1.5+5x2.5	3x1.5+5x2.5
Fuse rating am (D curve)	A	16	10+16	10+25	10+30	10+20	10+25	10+25
Electrical connections	mm²	4x1.5	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5
PIPE LINE								
Suction pipe diameter	inches	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Max. length	m	25	30	50	65	65	65	65
Max. height	m	10	20	25	30	30	30	30
Refrigerant/GWP		**R32/675**	**R32/675**	**R32/675**	**R32/675**	**R32/675**	**R32/675**	**R32/675**
Charge (5 m)	kg	0.87	1.15	1.5	2.4	2.4	2.8	2.95
Additional charge	g/m	12	12	24	24	24	24	24
R410A YMD outdoor unit compatible*		**AWAU-YMD012-H11**	**AWAU-YMD018-H11**	**AWAU-YMD024-H11**	**AWAU-YMD036-H11**	**AWAU-YMD036-H13**	**AWAU-YMD048-H13**	**AWAU-YMD060-H13**
Part number		**7SP062970**	**7SP062972**	**7SP062893**	**7SP062895**	**7SP062896**	**7SP062899**	**7SP062900**

* Technical specifications - See R410A documentation.

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
Ducted	**Monosplit**	**Multisplit**
DDM 12 & 18 	YDFA 	YDZC 
DDM 24 & 36 	YDFA 	
DDM 48 & 60 	YDFA 	

Cassette range

MODEL NAME		Fluid type	Page	kBTU/h kW	9 2.5	12 3.5	18 5	24 7	36 10	48 12.5
 CASSETTE MONOSPLIT/ MULTISPLIT Twin system	NEW CDM	R32 - R410A	36		● 60 x 60	● 60 x 60	● 60 x 60	● 90 x 90	● 90 x 90	● 90 x 90



- Distribution of the air flow **thanks to the Twin system**
- **1 outdoor unit only** for 2 indoor units





Unique solutions

CDM

Twin application

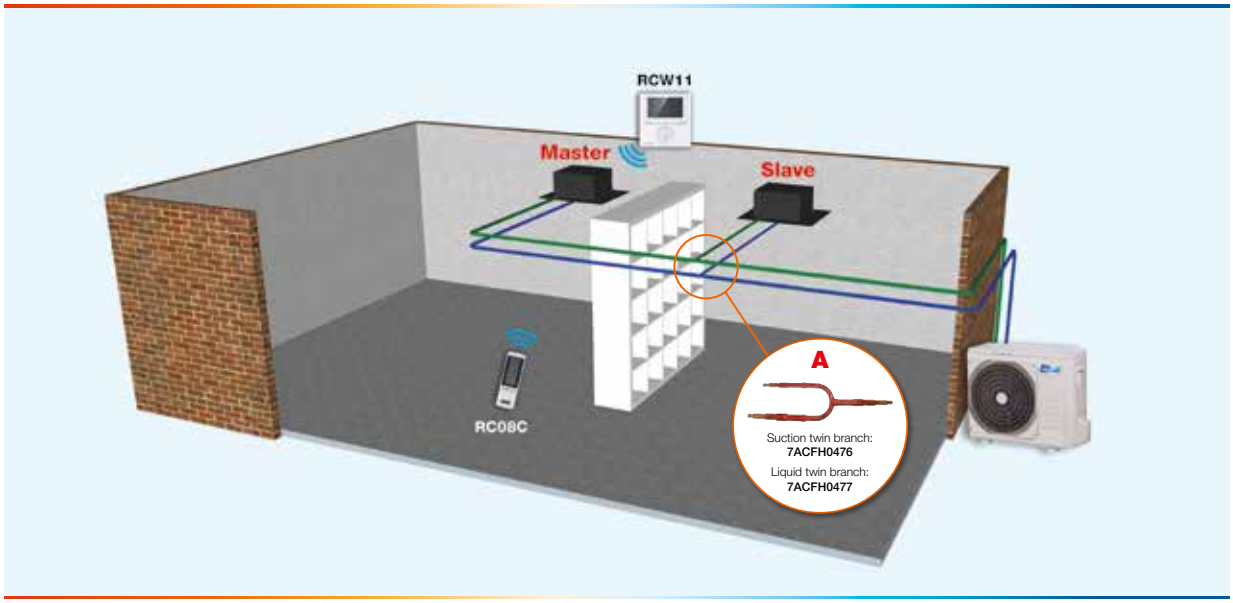
TWIN APPLICATION

NEW

The Twin application is used mainly in big open space where the total space area is controlled by one controller only for 2 units. Airwell Twin design allows to connect two similar indoor units to one common outdoor unit. The two indoor units are working in a same mode and set up only once, one indoor unit used as master.

The most cost saving solution for single-area spaces:

- → Simple installation by having one refrigerant fluid and control system.
- → Space saving by using one outdoor unit instead of two.
- → Low cost installation.
- → Simple control, one control station for big space.
- → Option to control by wireless or wired controller.
- → Ducted or cassette application.



	Indoor unit	Outdoor unit
Twin system	CDM024 + CDM024	YDFA048
	CDM036 + CDM036	YDFA060

Tubing & charge instructions	YDFA048	YDFA060
Pipe diameter (liquid-gas) (inches)	3/8"-5/8"	
Max. length (m)	30	60
Max. difference in branch length (m)	10	20
Max. height drop between indoor units (m)	0.5	0.5
Max. height drop between indoor and outdoor units (m)	20	20
Max. branch length (m)	15	30

MANDATORY ACCESSORIES

Accessory	Part number	Photo	Description	Function
Branch gas	7ACFH0476		Twin branch suction	Tube branch to collect all suction lines. **Mandatory for Twin application.**
Branch liquid	7ACFH0477		Twin branch liquid	Tube branch to collect all liquid lines. **Mandatory for Twin application.**

CDM
CASSETTE MONOSPLIT & MULTISPLIT





CDM 009-012-018

CDM 024-036-048



600x600 and **900x900**

N NEW

A++

→ Comfort “I Feel”: temperature sensor in RC08C remote control.
→ Compatible in monosplit and multisplit.
→ Reduced energy consumption using the heating only mode.
→ Inventory optimization thanks to a multi-range outdoor unit (YDFA).

PRODUCTS

- 360° flow.
- Twin application.
- Water pump included.



RC08C (included)

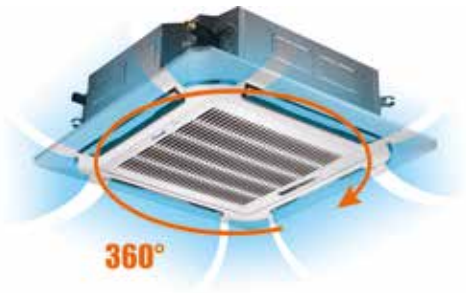


RCW11 (optional)



RCW20 (optional)

360° AIRFOLW WITH ROUND CORNERS



FEATURES

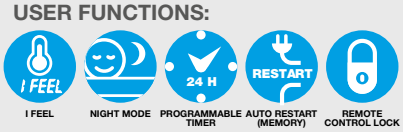
TECHNOLOGY:



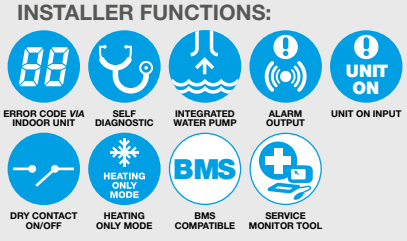
AIR QUALITY/CLEAN:



USER FUNCTIONS:



INSTALLER FUNCTIONS:



OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW11	7ACEL1774		Weekly timer, mode, fan speed, timer On/Off, “I Feel” function, temperature.
Wired single control RCW20 + adaptor	7ACEL1775 + 7ACEL1776		**Zone control**, mode, fan speed, timer On/Off, “I Feel” function, temperature. One adaptor by unit is required (order separately).
Central controller RCW21	7ACEL1777		**Central controller.** Controls up to 64 indoor units with individual setting failure codes indication, On/Off dry contact, last operation memory.
BMS gateway BMS	7ACEL1708		Maximum 1024 units could be connected (16 gateways).
Test tool	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.

EUROVENT CERTIFIED PERFORMANCE
All sizes except CDM048

CDM TECHNICAL DATA

Indoor unit		Multisplit configuration only AW-CDM009X-N91	AW-CDM012-N91	AW-CDM018-N91	AW-CDM024-N91	AW-CDM036-N91	AW-CDM036-N91	AW-CDM048-N91
Outdoor unit R32		-	AW-YDFA012-H91	AW-YDFA018-H91	AW-YDFA024-H91	AW-YDFA036-H91	AW-YDFA036-H93	AW-YDFA048-H93
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Three phase	Three phase
COOLING								
Rated power (min./max.)	kW	2.6 (0.8-3.3)	3.52 (1.52-5.38)	5.28 (2.9-5.45)	7.03 (2.23-8.21)	10.55 (2.64-12.02)	10.55 (2.64-12.02)	14.00 (4.76-14.58)
Pdesignc	kW		3.52	5.3	7.03	10.5	10.5	14
Rated power input	kW		0.850	1.633	2.190	3.750	3.950	5.130
SEER/Energy label			7.8/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++
Operating limits	°C				-15°/50° Dry bulb			
HEATING								
Rated power (min./max.)	kW	2.9 (0.85-3.7)	4.4 (1.03-5.57)	5.42 (2.37-6.1)	7.62 (2.43-8.65)	11.14 (2.93-13.19)	11.14 (2.93-13.19)	16.1 (3.93-16.77)
Pdesignh (average climate)	kW		3.1	4.2	5.4	8.8	8.1	11.2
Pdesignh (warmer climate)	kW		3.5	5.3	5.9	10.5	10.5	12.2
Rated power input	kW		1.100	1.460	2.050	2.960	3.000	5.050
SCOP/Energy label (average climate)			4.6/A++	4/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy Label (warmer climate)			5.1/A+++	4.9/A++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++
Operating limits	°C				-15°/24° Dry bulb			
Power @ -10°C	kW		3.56	4.39	6.17	8.99	8.99	13.04
Power @ -15°C	kW		2.90	3.58	5.03	7.33	7.33	10.63
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	31/34/39	33/36/41	35/39/42	40/43/47	46/49/52	46/49/52	49/50/52
Sound power level	dB(A)	54	56	56	59	61	61	65
Airflow (LS/MS/HS)	m³/h	400/504/580	416/504/617	540/625/720	1032/1200/1378	1438/1620/1775	1438/1620/1775	1381/1568/1715
Dehumidification	l/h	1.2	1.5	2	3	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	570x260x570	570x260x570	570x260x570	840x205x840	840x245x840	840x245x840	840x287x840
Package dimensions (WxHxD)	mm	662x317x662	662x317x662	662x317x662	900x225x900	900x265x900	900x265x900	900x292x900
Net weight/Gross weight	kg	14.5/17.3	16.2/21.4	16.2/21.4	23/27	27.5/31	27.5/31	29/32.7
Part number		7SP042261X	7SP042262	7SP042263	7SP042264	7SP042265	7SP042265	7SP042266
FRAME								
Outline dimensions (WxHxD)	mm	647x50x647	647x50x647	647x50x647	950x55x950	950x55x950	950x55x950	950x55x950
Package dimensions (WxHxD)	mm	715x123x715	715x123x715	715x123x715	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
Net weight/Gross weight	kg	2.5/4.5	2.5/4.5	2.5/4.5	5/8	5/8	5/8	5/8
Frame part number		7ACVF0566	7ACVF0566	7ACVF0566	7ACVF0564	7ACVF0564	7ACVF0564	7ACVF0564
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)		55	55	62	65	64	66
Sound power level	dB(A)		62	62	66	68	68	72
Airflow	m³/h		2000	2000	2700	4000	4000	7500
Compressor type			Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm		800x554x333	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415
Package dimensions (WxHxD)	mm		920x625x390	920x615x390	965x765x395	1090x875x500	1090x875x500	1095x1480x495
Net weight/Gross weight	kg		34.7/37.5	33.7/36.6	49.4/52.8	66.8/73.4	81.5/87.0	106.7/119.9
Part number			7SP063050	7SP063051	7SP063052	7SP063053	7SP063054	7SP063055
POWER SUPPLY								
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/400V/50Hz	3P/400V/50Hz
Power supply side			Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²		3x1.5	3x1.5+3x2.5	3x1.5+3x2.5	3x1.5+3x4	3x1.5+3x4	3x1.5+5x2.5
Fuse rating am (D curve)	A		16	10+16	10+25	10+30	10+20	10+25
Electrical connections	mm²	4x1.0	4x1.5	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5
PIPE LINE								
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"
Max. length	m		25	30	50	65	65	65
Max. height	m		10	20	25	30	30	30
Refrigerant/GWP			R32/675	R32/675	R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg		0.87	1.15	1.5	2.4	2.4	2.8
Additional charge	g/m		12	12	24	24	24	24
R410A YMD outdoor unit compatible*		-	AWAU-YMD012-H11	AWAU-YMD018-H11	AWAU-YMD024-H11	AWAU-YMD036-H11	AWAU-YMD036-H13	AWAU-YMD048-H13
Part number			7SP062970	7SP062972	7SP062893	7SP062895	7SP062896	7SP062899

* Technical specifications - See R410A documentation.

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
Cassette	**Monosplit**	**Multisplit**
CDM 9X 		YDZC 
CDM 12 & 18 	YDFA 	YDZC 

Indoor unit	Compatible with outdoor unit
Cassette	**Monosplit**
CDM 24 & 36 	YDFA 
CDM 48 	YDFA 

Floor Ceiling range

MODEL NAME		Fluid type	Page	kBTU/h kW	12 3.5	18 5	24 7	36 10	48 12.5	60 16
 CONSOLE DUAL FLOW MONOSPLIT & MULTISPLIT Ideal solution for replacement of electric heaters	NEW XDM	R32 - R410A	42		●	●				
 FLOOR CEILING MONOSPLIT Large scope air	NEW FDM	R32 - R410A	44			●	●	●	●	●
 FLOOR CEILING MONOSPLIT Dedicated design for low temperature rooms	FWDB	R410A	46			●	●			

- Dual flow: **controls the direction of the flow** for a better comfort.
- Ideal solution **to replace electric heaters**.



XDM CONSOLE DUAL FLOW MONOSPLIT & MULTISPLIT





- → Compact indoor unit for easy installation.
- → Dual flow: control of the direction of the airflow for a better comfort.
- → Reduced energy consumption using the hot mode alone.
- → Interface dedicated to the installer for commissioning and maintenance.
- → Inventory optimization thanks to a multi-range outdoor unit (YDFA).

PRODUCTS

- Compatible in monosplit and multisplit.
- Dual flow.



RC08C
(included)



RCW8
(optional)

2 AIR OUTLET WAYS



FEATURES

TECHNOLOGY:

FLEXY MATCH · DC INVERTER · R32 FLUID · ELECTRONIC EXPANSION VALVE · GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:

AIR FILTER

USER FUNCTIONS:

I FEEL · NIGHT MODE · PROGRAMMABLE TIMER · REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

HEATING ONLY MODE

OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW8	7ACEL1706		Mode, fan speed, timer On/Off, temperature and swing.

XDM TECHNICAL DATA

		Multisplit configuration only	
Indoor unit		**AW-XDM012X-N91**	**AW-XDM018-N91**
Outdoor unit R32		**-**	**AW-YDFA018-H91**
Phase		**Single phase**	**Single phase**
COOLING			
Rated power (min./max.)	**kW**	**3.5 (0.8-3.8)**	**4.82 (2.64 - 4.98)**
Pdesignc	**kW**		**4.8**
Rated power input	kW		1.511
SEER/Energy label			**6.1/A++**
Operating limits	°C	-15°/50° Dry bulb	
HEATING			
Rated power (min./max.)	**kW**	**3.8 (0.4-4.3)**	**4.98 (2.20 - 5.74)**
Pdesignh (average climate)	**kW**		**4**
Pdesignh (warmer climate)	**kW**		**4.5**
Rated power input	kW		1.4
SCOP/Energy label (average climate)			4/A+
SCOP/Energy label (warmer climate)			**4.6/A++**
Operating limits	°C	-15°/24° Dry bulb	
INDOOR UNIT			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	35/41/43	35/39/42
Sound power level	dB(A)	58	60
Airflow (LS/MS/HS)	m³/h	370/480/512	400/480/560
Dehumidification	l/h	1.5	2
Outline dimensions (WxHxD)	mm	700x210x600	700x210x600
Package dimensions (WxHxD)	mm	810x305x710	810x305x710
Net weight/Gross weight	kg	14.8/19	14.8/19.1
Part number		**7SP071413X**	**7SP071414**
OUTDOOR UNIT			
Sound pressure level to 1 m	dB(A)		56
Sound power level	dB(A)		64
Airflow	m³/h		2000
Compressor type			Rotary DCI
Outline dimensions (WxHxD)	mm		800x554x333
Package dimensions (WxHxD)	mm		920x615x390
Net weight/Gross weight	kg		33.7/36.6
Part number			**7SP063051**
POWER SUPPLY			
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz
Power supply side			Indoor & Outdoor
Power cable section	mm²		3x1.5+2.5
Fuse rating am (D curve)	A		10+16
Electrical connections	mm²	4x1.5	2x1.5
PIPE LINE			
Suction pipe diameter	inches	3/8”	1/2”
Liquid pipe diameter	inches	1/4”	1/4”
Max. length	m		30
Max. height	m		20
Refrigerant/GWP			**R32/675**
Charge	kg		1.15
Additional charge	g/m		12
R410A YMD outdoor unit compatible*		**-**	**AWAU-YMD018-H11**
Part number		**-**	**7SP062972**

* Technical specifications - See R410A documentation.

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
Console	**Monosplit**	**Multisplit**
XDM 12X 		YDZC 
XDM 18 	YDFA 	YDZC 

FDM
FLOOR CEILING MONOSPLIT





- → Comfort “I Feel”: temperature sensor in RC08C remote control.
- → Reduced energy consumption using the hot mode alone.
- → Interface dedicated to the installer for commissioning and maintenance (RC08C).
- → Inventory optimization thanks to a multi-range outdoor unit (YDFA).

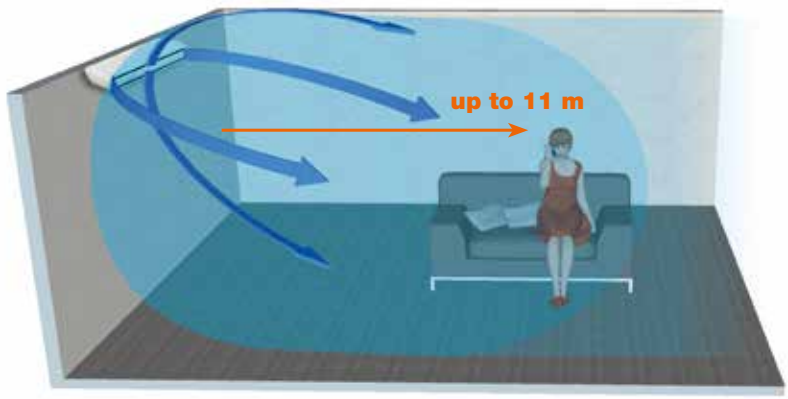
PRODUCTS

- Wide air diffusion.
- Floor or ceiling installation.



RC08C (included) | RCW11 (optional) | RCW20 (optional)

4 DIMENSIONAL AIR FLOW FOR MAXIMUM COMFORT



FEATURES

TECHNOLOGY:

FLEXY MATCH | DC INVERTER | R32 FLUID | ELECTRONIC EXPANSION VALVE | GOLDEN FIN TREATMENT | REDUNDANCY FUNCTION

AIR QUALITY/CLEAN:

AIR FILTER | FRESH AIR

USER FUNCTIONS:

I FEEL | NIGHT MODE | PROGRAMMABLE TIMER | AUTO RESTART (MEMORY) | REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

ERROR CODE *VIA* INDOOR UNIT | SELF DIAGNOSTIC | LEFT/RIGHT DRAIN CONNECTION | ALARM OUTPUT | UNIT ON INPUT | DRY CONTACT ON/OFF | HEATING ONLY MODE | WATER PUMP CONNECTION (OPTIONAL) | BMS COMPATIBLE | SERVICE MONITOR TOOL

OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW11	7ACEL1774		Weekly timer, mode, fan speed, timer On/Off, “I Feel” function, temperature.
Wired single control RCW20 + adaptor	7ACEL1775 + 7ACEL1776		**Zone control**, mode, fan speed, timer On/Off, “I Feel” function, temperature. One adaptor by unit is required (order separately).
Central controller RCW21	7ACEL1777		**Central controller.** Controls up to 64 indoor units with individual setting failure codes indication, On/Off dry contact, last operation memory.
BMS gateway	7ACEL1708		Maximum 1024 units could be connected (16 gateways).
Test tool	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
Water pump Mini Flowatch MF2	7ACTL0517		Evacuate condensates from indoor units.

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

All sizes except FDM 048-060

FDM TECHNICAL DATA

Indoor unit		AW-FDM018-N91	AW-FDM024-N91	AW-FDM036-N91	AW-FDM036-N91	AW-FDM048-N91	AW-FDM060-N91
Outdoor unit		**AW-YDFA018-H91**	**AW-YDFA024-H91**	**AW-YDFA036-H91**	**AW-YDFA036-H93**	**AW-YDFA048-H93**	**AW-YDFA060-H93**
Phase		**Single phase**	**Single phase**	**Single phase**	**Three phase**	**Three phase**	**Three phase**
COOLING							
Rated power (min./max.)	**kW**	**5.28 (2.71-5.57)**	**7.03 (3.22-8.29)**	**10.55 (3.93-12.02)**	**10.55 (3.93-12.02)**	**14.07 (4.96-15.11)**	**15.83 (5.28-17.0)**
Pdesignc	**kW**	**5.3**	**7.03**	**10.5**	**10.5**	**14.2**	**15.9**
Rated power input	kW	1.633 (0.67-1.85)	2.190	3.800	3.750	5.500	6.063
SEER/Energy label		**6.1/A++**	**6.1/A++**	**6.1/A++**	**6.1/A++**	**6.1/A++**	**6.1/A++**
Operating limits	°C	17°/32° Dry bulb			-15°/50° Dry bulb		
HEATING							
Rated power (min./max.)	**kW**	**5.57 (2.42-6.3)**	**7.62 (2.72-8.65)**	**11.14 (2.81-13.48)**	**11.14 (2.81-13.95)**	**16.12 (3.81-18.07)**	**18.17 (4.4-19.64)**
Pdesignh (average climate)	**kW**	**4.1**	**5.4**	**8.7**	**8.7**	**11.1**	**11.9**
Pdesignh (warmer climate)	**kW**	**5.0**	**4.9**	**10.5**	**9.0**	**12.5**	**12.5**
Rated power input	kW	1.5 (0.54-1.64)	2.050	3.040	3.000	5.050	6.036
SCOP/Energy label (average climate)		4.1/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy label (warmer climate)		**5.1/A+++**	**5.1/A+++**	**5.1/A+++**	**5.1/A+++**	**5.1/A+++**	**5.1/A+++**
Operating limits	°C	-15°/50° Dry bulb			-15°/24° Dry bulb		
Power @ -10°C	kW	4.51	6.2	9.0	9.0	13.0	14.7
Power @ -15°C	kW	3.90	5.0	7.3	7.3	10.6	11.9
INDOOR UNIT							
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	34.5/38.5/41.5	41/46/50	42/47/51	42/47/51	46/50/54	42/47/54
Sound power level	dB(A)	58	61	61	61	66	68
Airflow (LS/MS/HS)	m³/h	650/760/880	853/1066/1208	1431/1844/2160	1431/1844/2160	1417/1930/2329	1426/1834/2454
Dehumidification	l/h	2.0	2.5	3.8	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	1068x675x235	1068x675x235	1650x675x235	1650x675x235	1650x675x235	1650x675x235
Package dimensions (WxHxD)	mm	1145x755x313	1145x755x313	1725x755x313	1725x755x313	1725x755x313	1725x755x313
Net weight/Gross weight	kg	28/33.3	26.8/31.9	39/45	39/45	41.2/47.6	41.4/47.8
Part number		**7SP012263**	**7SP012264**	**7SP012265**	**7SP012265**	**7SP012266**	**7SP012267**
OUTDOOR UNIT							
Sound pressure level to 1 m	dB(A)	55	62	65	64	66	66
Sound power level	dB(A)	62	66	68	68	72	74
Airflow	m³/h	2000	2700	4000	4000	7500	7500
Compressor type		Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm	920x615x390	965x765x395	1090x875x500	1090x875x500	1095x1480x495	1095x1480x495
Net weight/Gross weight	kg	33.7/36.6	49.4/52.8	66.8/73.4	81.5/87.0	106.7/119.9	111.3/124.3
Part number		**7SP063051**	**7SP063052**	**7SP063053**	**7SP063054**	**7SP063055**	**7SP063056**
POWER SUPPLY							
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/400V/50Hz	3P/400V/50Hz	3P/400V/50Hz
Power supply side		Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²	3x1.5+3x2.5	3x1.5+3x2.5	3x1.5+3x4	3x1.5+5x2.5	3x1.5+5x2.5	3x1.5+5x2.5
Fuse rating am (D curve)	A	10+16	10+25	10+30	10+20	10+25	10+25
Electrical connections	mm²	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5
PIPE LINE							
Suction pipe diameter	inches	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Max. length	m	30	50	65	65	65	65
Max. height	m	20	25	30	30	30	30
Refrigerant/GWP		**R32/675**	**R32/675**	**R32/675**	**R32/675**	**R32/675**	**R32/675**
Charge (5 m)	kg	1.15	1.5	2.4	2.4	2.8	2.95
Charge additionnelle	g/m	12	24	24	24	24	24
R410A YMD outdoor unit compatible*		**AWAU-YMD018-H11**	**AWAU-YMD024-H11**	**AWAU-YMD036-H11**	**AWAU-YMD036-H13**	**AWAU-YMD048-H13**	**AWAU-YMD060-H13**
Part number		**7SP062972**	**7SP062893**	**7SP062895**	**7SP062896**	**7SP062899**	**7SP062900**

* Technical specifications - See R410A documentation.

COMBINATIONS

Indoor unit	Compatible with outdoor unit
Floor ceiling	**Monosplit**
FDM 18-24-36 	YDFA 
FDM 48-60 	YDFA 

DC Inverter
Cooling & Heating

FWDB FLOOR CEILING MONOSPLIT FOR LOW TEMPERATURE ROOMS





A++

PRODUCTS

- Application for wine cellar, garbage room, preparation rooms...
- Cooling and heating mode.



RCW6
(included)

→ Designed for local low temperature: 12°C minimum.
→ Long blowing distance (up to 11 m).
→ Guaranteed energy saving through weekly programming.



FEATURES

TECHNOLOGY:

DC INVERTER · R410A FLUID · ELECTRONIC EXPANSION VALVE · GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:

AIR FILTER · FRESH AIR

USER FUNCTIONS:

NIGHT MODE · PROGRAMMABLE TIMER · AUTO RESTART (MEMORY) · REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

ERROR CODE *VIA* INDOOR UNIT · SELF DIAGNOSTIC · LEFT/RIGHT DRAIN CONNECTION · ALARM OUTPUT · DRY CONTACT ON/OFF · WATER PUMP CONNECTION (OPTIONAL) · BMS COMPATIBLE · SERVICE MONITOR TOOL

OPTIONS

Accessory	Part number	Photo	Function
BMS gateway	7ACEL1708		Maximum 1024 units could be connected (16 gateways).
Test tool	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
Water pump Mini Flowatch MF2	7ACTL0517		Evacuate condensates from indoor units.

FWDB TECHNICAL DATA

Indoor unit		AWSI-FWDB018-N11	AWSI-FWDB024-N11
Outdoor unit		**AWAU-YMDB018-H11**	**AWAU-YMDB024-H11**
Phase		Single phase	Single phase
COOLING			
Rated power (min./max.)	**kW**	**5.1 (0.8-6.1)**	**6.8 (1.2-8.2)**
Pdesignc	**kW**	**5.1**	**6.8**
Rated power input	kW	1.579	2.252
SEER/Energy label		**6.5/A++**	**6.1/A++**
Operating limits	°C	-15°/50° Dry bulb	
HEATING			
Rated power (min./max.)	**kW**	**5.6 (0.9-7.0)**	**7.5 (1.2-8.6)**
Pdesignh (average climate)	**kW**	**4.8**	**5.8**
Pdesignh (warmer climate)	**kW**	**5.2**	**5.8**
Rated power input	kW	1.466	2.072
SCOP/Energy label (average climate)		4.0/A+	4.0/A+
SCOP/Energy label (warmer climate)		**5.1/A+++**	**5.1/A+++**
Operating limits	°C	-15°/24° Dry bulb	
INDOOR UNIT			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	38/41/44	44/49/52
Sound power level	dB(A)	57	63
Airflow (LS/MS/HS)	m³/h	700/800/900	850/1050/1180
Dehumidification	l/h	1.5	2.2
Outline dimensions (WxHxD)	mm	1068x235x675	1068x235x675
Package dimensions (WxHxD)	mm	1145x313x755	1145x313x755
Net weight/Gross weight	kg	25.8/30.6	25/30
Part number		**7SP012246**	**7SP012247**
OUTDOOR UNIT			
Sound pressure level to 1 m	dB(A)	54	60
Sound power level	dB(A)	65	65
Airflow	m³/h	2100	2700
Compressor type		Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	845x702x363
Package dimensions (WxHxD)	mm	920x615x390	965x765x396
Net weight/Gross weight	kg	35.5/38.4	49/51.5
Part number		**7SP062924**	**7SP062925**
POWER SUPPLY			
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz
Power supply side		Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²	3x1.0+3x2.5	3x1.0+3x2.5
Fuse rating am (D curve)	A	10+16	10+25
Electrical connections	mm²	2x0.5	2x0.5
PIPE LINE			
Suction pipe diameter	inches	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	3/8"
Max. length	m	30	50
Max. height	m	20	25
Refrigerant/GWP		**R410A/2088**	**R410A/2088**
Charge	kg	1.78	1.95
Additional charge	g/m	15	30

New model available in June 2019.

COMBINATIONS

Indoor unit	Compatible with outdoor unit
Floor ceiling	**Monosplit**
FWDB	YMDB
	

Twin & Multisplit DCI range
Combination table

OUTDOOR UNITS			Fluid type	kW	Max. num. of indoor units	Page
TWIN APPLICATION Ducted and cassette	TWIN APPLICATION		R32 - R410A	10-14	2	50
	YDZC2-18		R32	5.3	2	52 & 56
NEW **YDZC** R32 refrigerant	YDZC3-27		R32	7.8	3	52 & 56
	YDZC4-36		R32	8.5	4	52 & 57
	YDZC5-42		R32	12.3	5	52 & 58

INDOOR UNITS				
High wall HDH	**High wall HKD R32**	**Ducted medium static pressure DDM**	**Cassette CDM**	**Console XDM**
				
		● 18+18/24+24	● 18+18/24+24	
● Sizes 9/12/18	● Sizes 9/12/18	● Sizes 12/18	● Sizes 9X/12/18	● Sizes 12X/18
● Sizes 9/12/18	● Sizes 9/12/18	● Sizes 12/18	● Sizes 9X/12/18	● Sizes 12X/18
● Sizes 9/12/18/24	● Sizes 9/12/18/24	● Sizes 12/18	● Sizes 9X/12/18	● Sizes 12X/18
● Sizes 9/12/18/24	● Sizes 9/12/18/24	● Sizes 12/18	● Sizes 9X/12/18	● Sizes 12X/18

Unique solutions

Twin application

Twin application

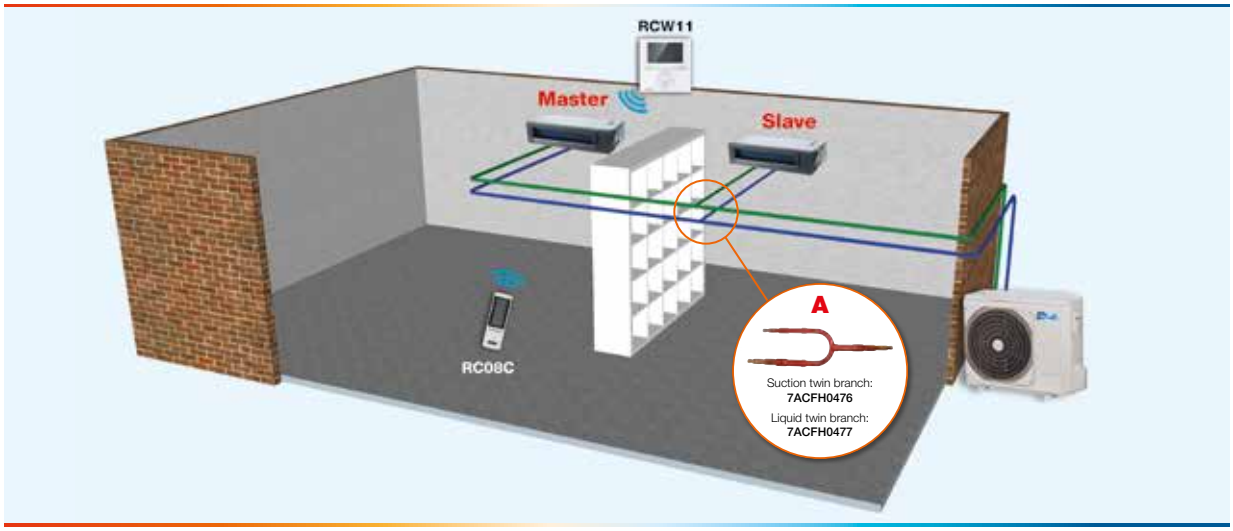
TWIN APPLICATION

NEW

The Twin application is used mainly in big open space where the total space area is controlled by one controller only for 2 units. Airwell Twin design allows to connect two similar indoor units to one common outdoor unit. The two indoor units are working in a same mode and set up only once, one indoor unit used as master.

The most cost saving solution for single-area spaces:

- → Simple installation by having one refrigerant fluid and control system.
- → Space saving by using one outdoor unit instead of two.
- → Low cost installation.
- → Simple control, one control station for big space.
- → Option to control by wireless or wired controller.
- → Ducted or cassette application.



	Indoor unit	Outdoor unit
Twin system	CDM024 + CDM024	YDFA048
	DDM024 + DDM024	
	CDM036 + CDM036	YDFA060
	DDM036 + DDM036	

Tubing & charge instructions	YDFA048	YDFA060
Pipe diameter (liquid-gas) (inches)	3/8"-5/8"	
Max. length (m)	30	60
Max. difference in branch length (m)	10	20
Max. height drop between indoor units (m)	0.5	0.5
Max. height drop between indoor and outdoor units (m)	20	20
Max. branch length (m)	15	30

TWIN APPLICATION WITH			Page
DDM	Ducted medium static pressure monosplit		30
CDM	Cassette DC Inverter		36

YDZC
RESIDENTIAL MULTISPLIT





- → Same indoor for multi and single application.
- → Design for long unit distance installation.
- → 2 digit display to check running parameters.
- → Longer product lifetime: golden fins exchanger and anti-corrosion treatment on PCB.

+ PRODUCTS

- Efficient.
- Competitive.
- Flexible.
- Golden fins.

FEATURES

TECHNOLOGY:

DC INVERTER · R32 FLUID · ELECTRONIC EXPANSION VALVE · GOLDEN FIN TREATMENT

INSTALLER FUNCTIONS:

SELF DIAGNOSTIC

COMPATIBLE WITH

HIGH WALL HDH 9/12/18/24



HIGH WALL HKD R32 9/12/18/24



DUCTED MEDIUM STATIC PRESSURE DDM 12/18



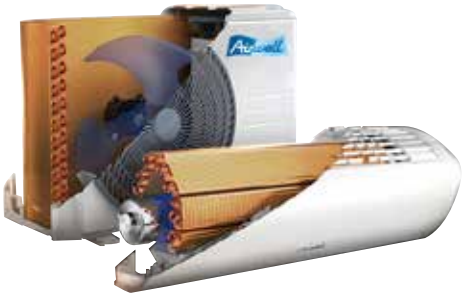
CASSETTE CDM 9**X**/12/18



CONSOLE XDM 12**X**/18



Golden fins: anti-corrosion protection on the exchanger



EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

Depending on combination

YDZC TECHNICAL DATA

Outdoor unit			AW-YDZC218-H91	AW-YDZC327-H91	AW-YDZC436-H91	AW-YDZC542-H91
Phase			Single phase	Single phase	Single phase	Single phase
OUTDOOR UNIT						
Cooling	**Rated power (min./max.)**	**kW**	**5.2 (2.08-6.29)**	**7.9 (2.77-8.69)**	**10.5 (3.68-13.65)**	**12.3 (4.18 - 14)**
	Pdesignc	**kW**	**5.2**	**8.0**	**10.6**	**12.4**
	Rated power input	kW	1.60	2.44	3.28	4.26
	SEER/Energy label		5.6/A+	6.1/A++	6.2/A++	6.1/A++
	Operating limits	°C	-15°/50° Dry bulb			
Heating	**Rated power (min./max.)**	**kW**	**5.57 (2.23-6.74)**	**8.2 (2.87-9.02)**	**11.1 (3.89-13.32)**	**12.30 (4.18-14)**
	Pdesignh (average climate)	**kW**		**5.60**	**9.00**	**9.20**
	Rated power input	kW	1.39	2.18	2.77	3.10
	SCOP/Energy label (average climate)		3.8/A	3.8/A	3.8/A	3.5/A
	Operating limits	°C	-15°/24° Dry bulb			
Sound pressure level to 1 m		dB(A)	56	59	63	64
Sound power level		dB(A)	63	65	67	69
Airflow		m³/h	2200	2700	4000	3850
Compressor type			Rotary	Rotary	Rotary	Rotary
Outline dimensions (WxHxD)		mm	800x554x333	845x702x363	946x810x410	946x810x410
Package dimensions (WxHxD)		mm	920x615x390	965x765x395	1090x875x500	1090x875x500
Net weight/Gross weight		kg	36/39	54.4/59.2	68.8/75.6	73.3/80.4
Part number			**7SP091181**	**7SP091182**	**7SP091183**	**7SP091184**
POWER SUPPLY						
Phase/Voltage/Frequency			1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz
Power supply side			Outdoor	Outdoor	Outdoor	Outdoor
Power cable section		mm²	3x2.5	3x2.5	3x2.5	3x4
Fuse rating am (D curve)		A	25	25	25	32
Electrical connections		mm²	2 x (4x1.5)	3 x (4x1.5)	4 x (4x1.5)	5 x (4x1.5)
PIPE LINE						
Suction pipe diameter		inches	2x3/8"	3x3/8"	3x3/8"+1x1/2"	4x3/8"+1x1/2"
Liquid pipe diameter		inches	2x1/4"	3x1/4"	4x1/4"	5x1/4"
Max. length		m	40	60	80	80
Max. length per circuit		m	25	30	35	35
Max. height between indoor and oudoor units	ODU higher than IDU	m	15	15	15	15
	ODU lower than IDU	m	15	15	15	15
Max. height between indoor units		m	10	10	10	10
Refrigerant/GWP		**kg**	**R32/675**	**R32/675**	**R32/675**	**R32/675**
Charge		kg	1,3	1,57	2,1	2,4

YDZC
COMPATIBLE INDOOR UNITS

HIGH WALL
HDH 9/12/18/24



HDH INDOOR UNITS TECHNICAL DATA

Indoor unit		AW-HDH009-N91	AW-HDH012-N91	AW-HDH018-N91	AW-HDH024-N91
Phase		Single phase	Single phase	Single phase	Single phase
Cooling rated capacity	**kW**	**2.69**	**3.52**	**5.28**	**7.32**
Heating rated capacity	**kW**	**2.93**	**3.81**	**5.56**	**7.61**
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	21/22/29/37	21/22/30/38	24/27/33/42	26/30/40/46
Sound power level	dB(A)	53	55	57	60
Airflow (LS/MS/HS)	m³/h	259/429/521	294/478/539	420/505/750	560/750/1050
Dehumidification	l/h	1	1.2	1.7	2.4
Outline dimensions (WxHxD)	mm	722x290x187	802x297x189	965x319x215	1080x335x226
Package dimensions (WxHxD)	mm	790x370x270	875x375x285	1045x405x305	1155x415x315
Net weight/Gross weight	kg	7.4/9.6	8.2/10.7	9/12.2	12/15.2
PIPE LINE					
Suction pipe diameter	inches	3/8”	3/8”	1/2”	5/8”
Liquid pipe diameter	inches	1/4”	1/4”	1/4”	3/8”
Part number		**7SP023141**	**7SP023142**	**7SP023143**	**7SP023144**

HIGH WALL HKD
R32 9/12/18/24



HKD R32 INDOOR UNITS TECHNICAL DATA

Indoor unit		AW-HKD009-N91	AW-HKD012-N91	AW-HKD018-N91	AW-HKD024-N91
Phase		Single phase	Single phase	Single phase	Single phase
Cooling rated capacity	**kW**	**2.64**	**3.52**	**5.28**	**7.03**
Heating rated capacity	**kW**	**2.93**	**3.81**	**5.57**	**7.33**
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	21/26/30/40	22/26/34/40	25/30/37/44	28/34/42/44
Sound power level	dB(A)	53	53	55	59
Airflow (LS/MS/HS)	m³/h	360/460/520	360/500/600	540/680/840	662/817/980
Outline dimensions (WxHxD)	mm	805x285x194	805x285x194	957x302x213	1040x327x220
Package dimensions (WxHxD)	mm	870x360x270	870x360x270	1035x380x295	1120x405x310
Net weight/Gross weight	kg	7.5/9.7	7.5/9.7	10/13	12.3/15.8
PIPE LINE					
Suction pipe diameter	inches	3/8”	3/8”	1/2”	5/8”
Liquid pipe diameter	inches	1/4”	1/4”	1/4”	3/8”
Part number		**7SP023135**	**7SP023136**	**7SP023137**	**7SP023138**

DUCTED MEDIUM STATIC PRESSURE DDM 12/18



DDM INDOOR UNITS TECHNICAL DATA

Indoor unit		AW-DDM012-N91	AW-DDM018-N91
Phase		Single phase	Single phase
Cooling rated capacity	**kW**	**3.52**	**5.28**
Heating rated capacity	**kW**	**4.10**	**5.86**
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	26/30/35	33/38/41
Sound power level	dB(A)	56	59
Airflow (LS/MS/HS)	m³/h	300/480/600	350/650/880
External static pressure (standard/max.)	Pa	25 (0-60)	25 (0-100)
Dehumidification	l/h	1.5	2.0
Outline dimensions (WxHxD)	mm	700x200x450	880x210x674
Package dimensions (WxHxD)	mm	860x285x540	1070x280x725
Net weight/Gross weight	kg	18/22	24.3/29.6
PIPE LINE			
Suction pipe diameter	inches	3/8”	1/2”
Liquid pipe diameter	inches	1/4”	1/4”
Part number		**7SP033031**	**7SP033032**

CASSETTE CDM 9**X**/12/18



CONSOLE XDM 12**X**/18



CDM & XDM INDOOR UNITS TECHNICAL DATA

Indoor unit		AW-CDM009X-N91	AW-CDM012-N91	AW-CDM018-N91	AW-XDM012X-N91	AW-XDM018-N91
Phase		Single phase	Single phase	Single phase	Single phase	Single phase
Cooling rated capacity	**kW**	**2.6**	**3.52**	**5.28**	**3.5**	**4.82**
Heating rated capacity	**kW**	**2.9**	**4.4**	**5.42**	**3.8**	**4.98**
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	31/34/39	33/36/41	35/39/42	35/41/43	35/39/42
Sound power level	dB(A)	54	56	56	58	60
Airflow (LS/MS/HS)	m³/h	400/504/580	416/504/617	540/625/720	370/480/512	400/480/560
Dehumidification	l/h	1.2	1.5	2	1.5	2
Outline dimensions (WxHxD)	mm	570x260x570	570x260x570	570x260x570	700x600x210	700x600x210
Package dimensions (WxHxD)	mm	662x317x662	662x317x662	662x317x662	810x710x305	810x710x305
Net weight/Gross weight	kg	14.5/17.3	16.2/21.4	16.2/21.4	14.8/19	14.8/19.1
FRAME						
Outline dimensions (WxHxD)	mm	647x50x647	647x50x647	647x50x647		
Package dimensions (WxHxD)	mm	715x123x715	715x123x715	715x123x715		
Net weight/Gross weight	kg	2.5/4.5	2.5/4.5	2.5/4.5		
Frame part number		**7ACVF0566**	**7ACVF0566**	**7ACVF0566**		
PIPE LINE						
Suction pipe diameter	inches	3/8”	3/8”	1/2”	3/8”	1/2”
Liquid pipe diameter	inches	1/4”	1/4”	1/4”	1/4”	1/4”
Part number		**7SP042261X**	**7SP042262**	**7SP042263**	**7SP071413X**	**7SP071414**

YDZC COMBINATIONS

COMPATIBLE WITH

HIGH WALL HDH 9/12/18/24



HIGH WALL HKD R32 9/12/18/24



DUCTED MEDIUM STATIC PRESSURE DDM 12/18



CASSETTE CDM 9**X**/12/18



CONSOLE XDM 12**X**/18





YDZC2-18 RESIDENTIAL MULTISPLIT DUO

Indoor unit combinations	COOLING									HEATING								
	Rated power (kW)		Total power (kW)			Total input power (kW)			EER/ Energy label	Rated power (kW)		Total power (kW)			Total input power (kW)			COP/ Energy label
	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.		Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.	
9+9	2.60	2.60	2.08	5.20	6.29	0.58	1.60	2.01	3.24/A++	2.79	2.79	2.23	5.57	6.74	0.49	1.39	1.88	4.00/A+
9+12	2.23	2.97	2.08	5.20	6.29	0.58	1.60	2.01	3.24/A++	2.39	3.18	2.23	5.57	6.74	0.49	1.39	1.88	4.00/A+
12+12	3.56	3.56	2.21	7.12	7.66	0.63	2.20	2.63	3.24/A++	3.76	3.76	2.30	7.53	7.95	0.57	2.02	2.36	3.73/A

Based on wall mounted combination



YDZC3-27 RESIDENTIAL MULTISPLIT TRIO

Indoor unit combinations	COOLING										HEATING									
	Rated power (kW)			Total power (kW)			Total input power (kW)			EER/ Energy label	Rated power (kW)			Total power (kW)			Total input power (kW)			COP/ Energy label
	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.		Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	
9+9	2.68	2.68	-	2.21	5.37	7.11	0.63	1.66	2.44	3.23/A++	3.01	3.01	-	2.30	6.01	7.38	0.57	1.65	2.18	3.65/A
9+12	2.68	3.57	-	2.21	6.24	7.51	0.63	1.93	2.56	3.23/A++	2.90	3.87	-	2.30	6.77	7.79	0.57	1.83	2.29	3.69/A
9+18	2.63	5.27	-	2.21	7.90	7.90	0.63	2.44	2.68	3.24/A++	2.73	5.47	-	2.30	8.20	8.20	0.57	2.18	2.40	3.76/A
12+12	3.56	3.56	-	2.21	7.12	7.66	0.63	2.20	2.63	3.24/A++	3.76	3.76	-	2.30	7.53	7.95	0.57	2.02	2.36	3.73/A
12+18	3.16	4.74	-	2.21	7.90	7.90	0.63	2.44	2.68	3.24/A++	3.28	4.92	-	2.30	8.20	8.20	0.57	2.18	2.40	3.76/A
9+9+9	2.63	2.63	2.63	2.77	7.90	8.69	0.76	2.44	2.90	3.24/A++	2.73	2.73	2.73	2.87	8.20	9.02	0.68	2.18	2.66	3.76/A+
9+9+12	2.37	2.37	3.16	2.77	7.90	8.69	0.76	2.44	2.90	3.24/A++	2.46	2.46	3.28	2.87	8.20	9.02	0.68	2.18	2.66	3.76/A+
9+12+12	2.15	2.87	2.87	2.77	7.90	8.69	0.76	2.44	2.90	3.24/A++	2.24	2.98	2.98	2.87	8.20	9.02	0.68	2.18	2.66	3.76/A+
12+12+12	3.50	3.50	3.50	2.84	10.50	11.55	0.78	3.25	3.58	3.23/A++	3.70	3.70	3.70	3.00	11.10	12.21	0.66	2.77	3.04	4.01/A

Based on wall mounted combination



YDZC4-36 RESIDENTIAL MULTISPLIT QUATTRO

Indoor unit combinations	COOLING											HEATING										
	Rated power (kW)				Total power (kW)			Total input power (kW)			EER/ Energy label	Rated power (kW)				Total power (kW)			Total input power (kW)			COP/ Energy label
	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.		Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.	
9+9	2.69	2.69	-	-	2.21	5.38	6.83	0.62	1.73	2.44	3.12/A++	3.07	3.07	-	-	2.33	6.14	7.22	0.53	1.63	2.08	3.77/A
9+12	2.69	3.58	-	-	2.21	6.27	7.35	0.62	2.00	2.60	3.14/A++	3.00	4.00	-	-	2.33	7.00	7.77	0.53	1.84	2.21	3.81/A
9+18	2.68	5.36	-	-	2.21	8.04	9.45	0.62	2.53	2.93	3.18/A++	2.91	5.81	-	-	2.33	8.72	9.99	0.53	2.24	2.49	3.89/A
9+24	2.65	7.06	-	-	2.21	9.71	9.98	0.62	3.02	3.12	3.21/A++	2.82	7.52	-	-	2.33	10.34	10.66	0.53	2.60	2.63	3.97/A
12+12	3.58	3.58	-	-	2.21	7.15	7.88	0.62	2.27	2.76	3.16/A++	3.93	3.93	-	-	2.33	7.86	8.33	0.53	2.04	2.35	3.85/A
12+18	3.57	5.36	-	-	2.21	8.93	9.98	0.62	2.79	2.93	3.20/A++	3.83	5.75	-	-	2.33	9.58	10.55	0.53	2.43	2.49	3.94/A
12+24	3.50	7.00	-	-	2.21	10.50	10.50	0.62	3.25	3.19	3.23/A++	3.70	7.40	-	-	2.33	11.10	10.88	0.53	2.77	2.71	4.01/A
18+18	5.25	5.25	-	-	2.21	10.50	10.50	0.62	3.25	3.25	3.23/A++	5.55	5.55	-	-	2.33	11.10	11.10	0.53	2.77	2.77	4.01/A
9+9+9	2.65	2.65	2.65	-	2.84	7.94	9.98	0.78	2.50	3.41	3.17/A++	2.87	2.87	2.87	-	3.00	8.62	10.55	0.66	2.22	2.91	3.89/A
9+9+12	2.65	2.65	3.53	-	2.84	8.83	10.50	0.78	2.76	3.41	3.19/A++	2.84	2.84	3.79	-	3.00	9.48	11.10	0.66	2.41	2.91	3.93/A
9+9+18	2.63	2.63	5.25	-	2.84	10.50	11.55	0.78	3.25	3.58	3.23/A++	2.78	2.78	5.55	-	3.00	11.10	12.21	0.66	2.77	3.04	4.01/A
9+9+24	2.25	2.25	6.00	-	2.84	10.50	11.55	0.78	3.25	3.58	3.23/A++	2.38	2.38	6.34	-	3.00	11.10	12.21	0.66	2.77	3.04	4.01/A
9+12+12	2.65	3.53	3.53	-	2.84	9.71	11.55	0.78	3.02	3.58	3.21/A++	2.82	3.76	3.76	-	3.00	10.34	12.21	0.66	2.60	3.04	3.97/A
9+12+18	2.42	3.23	4.85	-	2.84	10.50	11.55	0.78	3.25	3.58	3.23/A++	2.56	3.42	5.12	-	3.00	11.10	12.21	0.66	2.77	3.04	4.01/A
9+12+24	2.10	2.80	5.60	-	2.84	10.50	11.55	0.78	3.25	3.58	3.23/A++	2.22	2.96	5.92	-	3.00	11.10	12.21	0.66	2.77	3.04	4.01/A
9+18+18	2.10	4.20	4.20	-	2.84	10.50	11.55	0.78	3.25	3.58	3.23/A++	2.22	4.44	4.44	-	3.00	11.10	12.21	0.66	2.77	3.04	4.01/A
12+12+12	3.50	3.50	3.50	-	2.84	10.50	11.55	0.78	3.25	3.58	3.23/A++	3.70	3.70	3.70	-	3.00	11.10	12.21	0.66	2.77	3.04	4.01/A
12+12+18	3.00	3.00	4.50	-	2.84	10.50	11.55	0.78	3.25	3.58	3.23/A++	3.17	3.17	4.76	-	3.00	11.10	12.21	0.66	2.77	3.04	4.01/A
9+9+9+9	2.63	2.63	2.63	2.63	3.68	10.50	13.65	0.88	3.25	3.97	3.23/A++	2.78	2.78	2.78	2.78	3.89	11.10	13.32	0.75	2.77	3.60	4.01/A
9+9+9+12	2.42	2.42	2.42	3.23	3.68	10.50	13.65	0.88	3.25	3.97	3.23/A++	2.56	2.56	2.56	3.42	3.89	11.10	13.32	0.75	2.77	3.60	4.01/A
9+9+9+18	2.10	2.10	2.10	4.20	3.68	10.50	13.65	0.88	3.25	3.97	3.23/A++	2.22	2.22	2.22	4.44	3.89	11.10	13.32	0.75	2.77	3.60	4.01/A
9+9+12+12	2.25	2.25	3.00	3.00	3.68	10.50	13.65	0.88	3.25	3.97	3.23/A++	2.38	2.38	3.17	3.17	3.89	11.10	13.32	0.75	2.77	3.60	4.01/A
9+12+12+12	2.10	2.80	2.80	2.80	3.68	10.50	13.65	0.88	3.25	3.97	3.23/A++	2.22	2.96	2.96	2.96	3.89	11.10	13.32	0.75	2.77	3.60	4.01/A

Based on wall mounted combination

YDZC COMBINATIONS

COMPATIBLE WITH

HIGH WALL HDH 9/12/18/24



HIGH WALL HKD R32 9/12/18/24



DUCTED MEDIUM STATIC PRESSURE DDM 12/18



CASSETTE CDM 9**X**/12/18



CONSOLE XDM 12**X**/18





YDZC5-42 RESIDENTIAL MULTISPLIT CINCO

Indoor unit combinations	COOLING												HEATING											
	Rated power (kW)					Total cooling power (kW)			Total Input power (kW)			EER/ Energy label	Rated power (kW)					Total heating power (kW)			Total Input power (kW)			COP/ Energy label
	Unit A	Unit B	Unit C	Unit D	Unit E	Rated	Min.	Max.	Rated	Min.	Max.		Unit A	Unit B	Unit C	Unit D	Unit E	Rated	Min.	Max.	Rated	Min.	Max.	
9+9	2.64	2.64	-	-	-	2.34	5.28	8.00	0.72	1.69	2.85	3.12/A+	2.99	2.99	-	-	-	2.34	5.97	8.00	0.53	1.60	2.08	3.73/A
9+12	2.61	3.48	-	-	-	2.34	6.09	8.61	0.72	1.97	2.89	3.10/A+	2.87	3.83	-	-	-	2.34	6.70	8.61	0.53	1.78	2.11	3.76/A
9+18	2.57	5.14	-	-	-	2.34	7.71	11.07	0.72	2.53	3.19	3.04/A+	2.72	5.44	-	-	-	2.34	8.16	11.07	0.53	2.14	2.32	3.81/A
9+24	2.52	6.72	-	-	-	2.34	9.24	12.30	0.72	3.09	3.62	2.99/A+	2.60	6.94	-	-	-	2.34	9.54	12.30	0.53	2.47	2.63	3.86/A
12+12	3.45	3.45	-	-	-	2.34	6.90	9.23	0.72	2.25	3.02	3.07/A+	3.72	3.72	-	-	-	2.34	7.43	9.23	0.53	1.96	2.20	3.78/A
12+18	3.41	5.11	-	-	-	2.34	8.52	11.69	0.72	2.82	3.49	3.02/A+	3.56	5.34	-	-	-	2.34	8.89	11.69	0.53	2.32	2.54	3.84/A
12+24	3.35	6.70	-	-	-	2.34	10.05	12.30	0.72	3.39	3.83	2.97/A+	3.42	6.85	-	-	-	2.34	10.27	12.30	0.53	2.64	2.79	3.89/A
18+18	5.07	5.07	-	-	-	2.34	10.14	12.30	0.72	3.42	3.83	2.96/A+	5.18	5.18	-	-	-	2.34	10.35	12.30	0.53	2.66	2.79	3.90/A
9+9+9	2.54	2.54	2.54	-	-	2.89	7.62	10.46	0.89	2.50	4.26	3.05/A+	2.69	2.69	2.69	-	-	2.89	8.08	10.46	0.65	2.12	3.10	3.81/A
9+9+12	2.53	2.53	3.37	-	-	2.89	8.43	12.92	0.89	2.79	4.04	3.02/A+	2.64	2.64	3.52	-	-	2.89	8.81	12.92	0.65	2.30	2.94	3.84/A
9+9+18	2.51	2.51	5.03	-	-	2.89	10.05	12.30	0.89	3.39	4.26	2.97/A+	2.57	2.57	5.14	-	-	2.89	10.27	12.30	0.65	2.64	3.10	3.89/A
9+9+24	2.48	2.48	6.62	-	-	2.89	11.58	12.92	0.89	3.97	4.43	2.91/A+	2.50	2.50	6.66	-	-	2.89	11.65	12.92	0.65	2.95	3.22	3.95/A
9+12+12	2.52	3.36	3.36	-	-	2.89	9.24	11.07	0.89	3.09	4.04	2.99/A+	2.60	3.47	3.47	-	-	2.89	9.54	11.07	0.65	2.47	2.94	3.86/A
9+12+18	2.51	3.34	5.01	-	-	2.89	10.86	11.69	0.89	3.70	4.26	2.94/A+	2.54	3.39	5.08	-	-	2.89	11.00	11.69	0.65	2.81	3.10	3.92/A
9+12+24	2.46	3.28	6.56	-	-	2.89	12.30	12.92	0.89	4.26	4.43	2.89/A+	2.46	3.28	6.56	-	-	2.89	12.30	12.92	0.65	3.10	3.22	3.97/A
9+18+18	2.46	4.92	4.92	-	-	2.89	12.30	12.92	0.89	4.26	4.43	2.89/A+	2.46	4.92	4.92	-	-	2.89	12.30	12.92	0.65	3.10	3.22	3.97/A
12+12+12	3.35	3.35	3.35	-	-	2.89	10.05	11.07	0.89	3.39	4.17	2.97/A+	3.42	3.42	3.42	-	-	2.89	10.27	11.07	0.65	2.64	3.04	3.89/A
12+12+18	3.33	3.33	5.00	-	-	2.89	11.67	12.92	0.89	4.01	4.43	2.91/A+	3.35	3.35	5.03	-	-	2.89	11.73	12.92	0.65	2.97	3.22	3.95/A
12+12+24	3.08	3.08	6.15	-	-	2.89	12.30	12.92	0.89	4.26	4.43	2.89/A+	3.08	3.08	6.15	-	-	2.89	12.30	12.92	0.65	3.10	3.22	3.97/A
12+18+18	3.08	4.61	4.61	-	-	2.89	12.30	12.92	0.89	4.26	4.43	2.89/A+	3.08	4.61	4.61	-	-	2.89	12.30	12.92	0.65	3.10	3.22	3.97/A
9+9+9+9	2.49	2.49	2.49	2.49	-	3.69	9.96	12.92	1.02	3.36	4.68	2.97/A++	2.55	2.55	2.55	2.55	-	3.69	10.19	12.92	0.74	2.62	3.41	3.89/A
9+9+9+12	2.49	2.49	2.49	3.31	-	3.69	10.77	13.53	1.02	3.66	4.68	2.94/A++	2.52	2.52	2.52	3.36	-	3.69	10.92	13.53	0.74	2.79	3.41	3.92/A
9+9+9+18	2.46	2.46	2.46	4.92	-	3.69	12.30	13.53	1.02	4.26	4.89	2.89/A++	2.46	2.46	2.46	4.92	-	3.69	12.30	13.53	0.74	3.10	3.56	3.97/A
9+9+9+24	2.17	2.17	2.17	5.79	-	3.69	12.30	13.53	1.02	4.26	4.89	2.89/A++	2.17	2.17	2.17	5.79	-	3.69	12.30	13.53	0.74	3.10	3.56	3.97/A
9+9+12+12	2.48	2.48	3.31	3.31	-	3.69	11.58	13.53	1.02	3.97	4.68	2.91/A++	2.50	2.50	3.33	3.33	-	3.69	11.65	13.53	0.74	2.95	3.41	3.95/A
9+9+12+18	2.31	2.31	3.08	4.61	-	3.69	12.30	13.53	1.02	4.26	4.89	2.89/A++	2.31	2.31	3.08	4.61	-	3.69	12.30	13.53	0.74	3.10	3.56	3.97/A
9+9+12+24	2.05	2.05	2.73	5.47	-	3.69	12.30	13.53	1.02	4.26	4.89	2.89/A++	2.05	2.05	2.73	5.47	-	3.69	12.30	13.53	0.74	3.10	3.56	3.97/A
9+12+12+12	2.46	3.28	3.28	3.28	-	3.69	12.30	13.53	1.02	4.26	4.68	2.89/A++	2.46	3.28	3.28	3.28	-	3.69	12.30	13.53	0.74	3.10	3.41	3.97/A
9+12+12+18	2.17	2.89	2.89	4.34	-	3.69	12.30	13.53	1.02	4.26	4.89	2.89/A++	2.17	2.89	2.89	4.34	-	3.69	12.30	13.53	0.74	3.10	3.56	3.97/A
12+12+12+12	3.08	3.08	3.08	3.08	-	3.69	12.30	13.53	1.02	4.26	4.68	2.89/A++	3.08	3.08	3.08	3.08	-	3.69	12.30	13.53	0.74	3.10	3.41	3.97/A
12+12+12+18	2.73	2.73	2.73	4.10	-	3.69	12.30	13.53	1.02	4.26	4.89	2.89/A++	2.73	2.73	2.73	4.10	-	3.69	12.30	13.53	0.74	3.10	3.56	3.97/A
9+9+9+9+9	2.46	2.46	2.46	2.46	2.46	4.18	12.30	14.00	1.15	4.26	5.11	2.89/A++	2.46	2.46	2.46	2.46	2.46	4.18	12.30	14.00	0.84	3.10	3.72	3.97/A
9+9+9+9+12	2.31	2.31	2.31	2.31	3.08	4.18	12.30	14.00	1.15	4.26	5.11	2.89/A++	2.31	2.31	2.31	2.31	3.08	4.18	12.30	14.00	0.84	3.10	3.72	3.97/A
9+9+9+9+18	2.05	2.05	2.05	2.05	4.10	4.18	12.30	14.00	1.15	4.26	5.11	2.89/A++	2.05	2.05	2.05	2.05	4.10	4.18	12.30	14.00	0.84	3.10	3.72	3.97/A
9+9+9+12+12	2.17	2.17	2.17	2.89	2.89	4.18	12.30	14.00	1.15	4.26	5.11	2.89/A++	2.17	2.17	2.17	2.89	2.89	4.18	12.30	14.00	0.84	3.10	3.72	3.97/A
9+9+12+12+12	2.05	2.05	2.73	2.73	2.73	4.18	12.30	14.00	1.15	4.26	5.11	2.89/A++	2.05	2.05	2.73	2.73	2.73	4.18	12.30	14.00	0.84	3.10	3.72	3.97/A

Based on wall mounted combination

Monobloc & Floor standing ranges

MODEL NAME		Fluid type	Page	kBTU/h kW	9 2.5	12 3.5	48 12.5
 ON/OFF PORTABLE Portable solution	NEW MFH	R290	62		●	●	
 WINDOW Prefabricated buildings solution	WFD	R32	63		●	●	
 FLOOR STANDING High volume room	SDM	R410A	64				●



→ The economic solution
for large volume rooms

Fixed Speed
Cooling only

MFH
ON/OFF PORTABLE





- Comfort “I Feel”: temperature sensor in the remote control RC08C.
- Mobile air conditioning: unit on swivel castors and side handles.
- Control screen on the unit.
- Installation kit for windows and walls as standard.
- Condensates reduction: evaporation on the exchanger.

+ PRODUCTS

- No fluid handling.
- Economic.
- R290 refrigerant with very low environmental impact.



RC08C
(included)

FEATURES

TECHNOLOGY:

R290 FLUID

AIR QUALITY/CLEAN:

AIR FILTER

AUTO CLEAN/DRY

USER FUNCTIONS:

I FEEL

NIGHT MODE

PROGRAMMABLE TIMER

AUTO RESTART (MEMORY)

REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

SELF DIAGNOSTIC

MFH TECHNICAL DATA

Indoor unit		AW-MFH009-C41	AW-MFH012-C41
Phase		Single phase	Single phase
COOLING			
Rated power	**kW**	**2.93**	**3.52**
Rated power input	kW	0.945	1.357
Current	A	4.5	5.9
EER/Energy label		3.10/A+	2.60/A
Operating limits	°C	17°/35° Dry bulb	
INDOOR UNIT			
Type		Monobloc	Monobloc
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	50/51/52	50/51/52
Sound power Level	dB(A)	56	63
Airflow (LS/MS/HS)	m³/h	355/370/420	355/370/420
Diameter flexible emission duct	mm	150	
Length range of heat emission duct	m	0.50 - 1.5	
Dehumidification	l/h	1.6	1.8
Outline dimensions (WxHxD)	mm	467x765x397	467x765x397
Package dimensions (WxHxD)	mm	515x890x440	515x890x440
Net weight/Gross weight	kg	31.8/35.7	33/36.5
Part number		**7MB021060**	**7MB021061**
POWER SUPPLY			
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz
PIPE LINE			
Refrigerant/GWP		**R290/20**	**R290/20**
Charge	kg	0.21	0.22

* Packing 8 pieces minimum





- → DC Inverter compressor technology that guarantees energy savings.
- → Ideal solution for modular constructions.
- → Control screen on the unit.

WFD TECHNICAL DATA

Indoor unit		AWWR-WFD009-C11	AWWR-WFD012-C11
Phase		Single phase	Single phase
COOLING			
Rated power	**kW**	**2.75**	**3.7**
Pdesignc	**kW**	**2.75**	**3.7**
Rated power input	kW	0.81	1.09
SEER/Energy label		5.10/A	5.10/A
Operating limits	°C	18°/43° Dry bulb	
INDOOR UNIT			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	45/47/49	45/47/49
Airflow (LS/MS/HS)	m³/h	310/350/380	400/450/490
Dehumidification	l/h	1.0	1.2
Compressor type		Rotary	Rotary
Outline dimensions (WxHxD)	mm	560x375x710	660x428x700
Package dimensions (WxHxD)	mm	623x425x806	739x515x793
Net weight/Gross weight	kg	34/36.7	46/50
Part number		**7WT010008**	**7WT010009**
POWER SUPPLY			
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz
Power supply side		Indoor	Indoor
Power cable section	mm²	3x1.0	3x1.5
Fuse rating am (D curve)	A	10	10
PIPE LINE			
Refrigerant/GWP		**R32/675**	**R32/675**
Charge	kg	0,51	0,63

Unique solutions

PRODUCTS

- Unique solution.
- R32 refrigerant with low environmental impact.
- No fluid handling.



WFD RC
(included)

FEATURES

TECHNOLOGY:

DC INVERTER — R32

DC INVERTER — R32 FLUID

USER FUNCTIONS:

NIGHT MODE — RESTART

NIGHT MODE — AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:

SELF DIAGNOSTIC

SDM
FLOOR STANDING





PRODUCTS

- DC Inverter technology.
- Commercial application.



RC09
(included)

FEATURES

TECHNOLOGY:

DC INVERTER · R410A FLUID · ELECTRONIC EXPANSION VALVE

AIR QUALITY/CLEAN:

AIR FILTER · AUTO CLEAN/DRY

INSTALLER FUNCTIONS:

ERROR CODE VIA INDOOR UNIT · SELF DIAGNOSTIC

→ High efficiency (SEER greater than 5) which brings energy savings throughout the year.
→ Long blowing distance (up to 15 m).
→ Display and control screen on the unit.

SDM TECHNICAL DATA

Indoor unit		AW-SDM048-N11
Outdoor unit		**AW-YSDM048-H11**
Phase		**Single phase**
COOLING		
Rated power (min./max.)	**kW**	**12.5 (6.0-14.5)**
Rated power input (min./max.)	kW	3.90 (2.0-6.0)
SEER/Energy label		5.1/A
Operating limits	°C	-10°/46° Dry bulb
HEATING		
Rated power (min./max.)	**kW**	**13.0 (6.0-16.5)**
Rated power input (min./max.)	kW	4.05 (2.0-6.0)
SCOP/Energy label		3.4/A
Operating limits	°C	-15°/24° Dry bulb
INDOOR UNIT		
Sound pressure level to 1.5 m (LS/MS/HS)	dB(A)	44/48/51
Sound power level	dB(A)	69
Airflow (LS/MS/HS)	m³/h	1350/1500/1750
Dehumidification	l/h	5
Outline dimensions (WxHxD)	mm	1850x600x350
Package dimensions (WxHxD)	mm	1986x691x415
Net weight/Gross weight	kg	57/65
Part number		**7SP011088**
OUTDOOR UNIT		
Sound pressure level to 1 m	dB(A)	59
Sound power level	dB(A)	73
Airflow	m³/h	4200
Compressor type		Twin rotary
Outline dimensions (WxHxD)	mm	1008x830x410
Package dimensions (WxHxD)	mm	1142x1000x498
Net weight/Gross weight	kg	82/93
Part number		**7SP062971**
POWER SUPPLY		
Phase/Voltage/Frequency		1P/230V/50Hz
Power supply side		Extérieur
Power cable section	mm²	3x4
Fuse rating am (D curve)	A	25
Electrical connections	mm²	4x2.5
PIPE LINE		
Suction pipe diameter	inches	3/4”
Liquid pipe diameter	inches	3/8”
Max. length	m	50
Max. height	m	30
Refrigerant/GWP		**R410A/2088**
Charge (5m)	kg	2.85

COMBINATIONS

Indoor unit	Compatible with outdoor unit
Floor standing	**Monosplit**
SDM 	YSDM 

Water range

MODEL NAME		Fluid type	Page	kBTU/h kW	9 2.5	12 3.5	18 5	24 7
 WATER CONSOLE Monobloc, cooling and heating mode	NEW XDO	R410A	68		●	●		
 ON/OFF WATER SOURCE Split system	GCAO + HHF/ CAF/ DAF	R410A	70		●	●	●	●



XDO
Monobloc solution

- Ideal solution for buildings subject to **local or aesthetic restrictions**.
- **Simple and fast** installation.
- Ideal solution for cases where **access to an outside wall is impossible**.

Hydraulic fittings



GCAO
Split solution

XDO
WATER CONSOLE





N NEW A++

+ PRODUCTS

- Cooling and heating mode.
- DC Inverter technology.
- Quiet heat pump.
- Connected solution (WiFi).

FEATURES

TECHNOLOGY:

DC INVERTER R410A FLUID

USER FUNCTIONS:

WIFI

- All year round comfort for heating and air conditioning.
- Sleek design.
- Control valve included limiting the water consumption (application in wastewater).
- Air return from above.

XDO TECHNICAL DATA

Indoor unit		AW-XDO009-H11	AW-XDO012-H11
Phase		Single phase	Single phase
COOLING			
Rated power(1)	**kW**	**2.5**	**3.5**
Pdesignc	**kW**	**2.3**	**3.2**
Rated power input	kW	0.61	0.86
EER/Energy label		4.08/A++	4.05/A++
Operating limits	°C	18°/35° Dry bulb	
Minimum water temperature	°C	40°C	
HEATING			
Rated power(2)	**kW**	**2.7**	**3.8**
Pdesignh	**kW**	**2.5**	**3.4**
Rated power input	kW	0.625	0.88
COP/Energy label		4.33/A++	4.31/A++
Operating limits	°C	5°/27° Dry bulb	
Minimum water temperature	°C	7°C	
INDOOR UNIT			
Sound pressure level to 2 m	dB(A)	32	34
Sound power level (PV/MV/GV)	dB(A)	41/46/52	43/48/54
Airflow (PV/MV/GV)	m³/h	270/310/380	270/320/400
Water flow	l/h	430	600
Dehumidification	l/h	1.1	1.3
Compressor type		Rotary DC Inverter	Rotary DC Inverter
Outline dimensions (WxHxD)	mm	1030x555x165	1030x555x165
Package dimensions (WxHxD)	mm	1100x660x260	1100x660x260
Net weight/Gross weight	kg	49/50.5	49/51.5
Part number		**7CW011020**	**7CW011021**
POWER SUPPLY			
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz
Power supply side		Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5
Fuse rating am (D curve)	A	6	6
PIPE LINE			
Refrigerant/GWP		**R410A/2088**	**R410A/2088**
Charge	kg	0.65	0.65

(1) Conditions: Dry bulb 27°C - Wet bulb 19°C - Water at 30°C ΔT 5K.
(2) Conditions: Dry bulb 20°C - Wet bulb 15°C - Water at 15 °C ΔT 5K.

Fixed Speed
Cooling only

GCAO
ON/OFF WATER SOURCE





Unique solutions :

GOOD QUALITY FIXED SPEED PRICE RATIO

COMPATIBLE WITH

HIGH WALL HHF



CASSETTE CAF



+ adaptor

DUCTED MEDIUM STATIC PRESSURE DAF



+ adaptor

PRODUCTS

- **No outdoor unit.**
- Can be connected to public water network.
- Compact design.



RC08A (included with HHF and CAF)



RCWE (included with DAF)

FEATURES

TECHNOLOGY:

R410A FLUID

AIR QUALITY/CLEAN:

AUTO CLEAN/DRY

INSTALLER FUNCTIONS:

NIGHT MODE

AUTO RESTART (MEMORY)

REMOTE CONTROL LOCK

- → Preserved architecture of the building: water solution without outside grou.
- → Water flow protection by pressure valve.
- → Protection of the unit *via* a high pressure switch with manual reset.
- → Super quiet.
- → Compatible with HHF high wall, CAF cassette and DAF ducted units.
- → Connection to recycled or lost water systems.

OPTIONS

Accessory	Part number	Photo	Function
Additional adaptor refer to all CAF/DAF	7ACEL1746		Electronic adapter between IDU CAF/DAF and ODU GCAO.

GCAO TECHNICAL DATA

Outdoor unit		GCAO 9N	GCAO 12N	GCAO 18N	GCAO 24N
Phase		Single phase	Single phase	Single phase	Single phase
COOLING					
Rated power (min./max.)	**kW**	**2.70**	**3.65**	**5.85**	**6.37**
Rated power input	kW	0.68	0.94	1.34	1.90
EER/Energy label		4.19/A	3.88/B	4.37/A	3.76/B
Operating limits indoor temperature	°C	17°/32° Dry bulb			
Condenser inlet water temperature	°C	10°/45°			
WATER SOURCE					
Sound power level to 1 m	dB(A)	49	49	51	53
Waste water flow at + 15°C	l/h	120	160	250	320
Recycled water flow 30/35°C	l/h	600	850	1 250	1 550
Compressor type		Rotary	Rotary	Rotary	Rotary
Hydraulic connection pipe	inches	3/4"	3/4"	3/4"	3/4"
Dimensions (WxHxD)	mm	625x473x360	625x473x360	625x473x360	625x473x360
Weight	kg	41	45	50	56
Part number		**7SP101040**	**7SP101041**	**7SP101045**	**7SP101044**
PIPE LINE					
Suction pipe diameter	inches	3/8"	1/2" *	1/2"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"
Max. length	m	25	25	25	25
Max. height	m	15	15	15	15
INDOOR UNIT					
Phase/Voltage/Frequency		1P/230V/50Hz			
Power supply side		Indoor	Indoor	Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating am (D curve)	A	10	10	10	16
Electrical connections	mm²	3x1.5	3x1.5	3x1.5	4x2.5
Refrigerant/GWP		**R410A/2088**	**R410A/2088**	**R410A/2088**	**R410A/2088**
Charge	kg	0.49	0.57	0.73	1.16

High wall indoor unit		AWSI-HHF009-N11*	AWSI-HHF012-N11	AWSI-HHF018-N11	AWSI-HHF024-N11
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	32/35/37/40	32/35/38/41	35/39/42/45	38/41/44/47
Sound power level (VL/LS/MS/HS)	dB(A)	42/45/47/50	42/45/48/51	45/49/52/55	48/51/54/57
Airflow (VL/LS/MS/HS)	m³/h	310/340/370/400	350/420/500/550	550/650/780/850	550/650/780/850
Dimensions (WxHxD)	mm	730x255x174	790x265x177	940x298x200	940x298x200
Weight	kg	8	9	13	13
Part number		**7SP022856**	**7SP022857**	**7SP022858**	**7SP022859**

Cassettes indoor unit		AWSI-CAF012-N11**	AWSI-CAF012-N11	AWSI-CAF018-N11	AWSI-CAF024-N11
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	38/40/42	38/40/42	46/47/49	46/47/48
Sound power level (LS/MS/HS)	dB(A)	48/50/52	48/50/52	56/57/59	56/57/58
Airflow (LS/MS/HS)	m³/h	420/490/560	420/490/560	620/650/690	1230/1280/1340
Dimensions (WxHxD)	mm	665x240x595	665x240x595	665x240x595	840x240x840
Frame dimensions (WxHxD)	mm	670x50x670	670x50x670	670x50x670	950x60x950
Weight	kg	19.5	19.5	20	27
Part number		**7SP042257**	**7SP042257**	**7SP042252**	**7SP042253**
Frame part number		**7ACVF0567**	**7ACVF0567**	**7ACVF0567**	**7ACVF0555**
Electronic adaptor between IDU CAF to ODU GCAO	Part nb.	**7ACEL1746**			
IR remote control RC08A		**included**			

Ducted indoor unit		AWSI-DAF012-N11**	AWSI-DAF012-N11	AWSI-DAF018-N11	AWSI-DAF024-N11
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	29/30/33	29/30/33	32/34/38	44/45/46
Sound power level (LS/MS/HS)	dB(A)	39/40/43	39/40/43	42/44/48	54/55/56
Airflow (LS/MS/HS)	m³/h	520/560/660	520/560/660	810/920/1070	1190/1270/1330
External static pressure	Pa	25	25	25	37
Dimensions (WxHxD)	mm	1015x275x720	1015x275x720	1260x270x555	1260x270x555
Weight	kg	31	31	33	34
Part number		**7SP032177**	**7SP032177**	**7SP032171**	**7SP032172**
Electronic adaptor between IDU DAF to ODU GCAO	Part nb.	**7ACEL1746**			
Wired remote control RCWE		**included**			
IR remote control RC08A		**Optional**			
Wired remote control RCW4	Part nb.	**7ACEL1613**			

* To connect HHF 12, a flare adapter: 1/2" Female x 3/8" Male is mandatory.
** CAF/DAF 12 matching with GCAO 9.

Light commercial range

	MODEL NAME		Fluid type	Page	kW	8	12.5	14	17	19	25	30	40	45	55
VERTICAL CABINET	 VERTICAL AIR CABINET **Electromechanical system**	X AC	R407C	74			●		●	●		●	●		●
	 AIR CONDENSER **Independant group**	CONA	R407C	76			●		●	●		●	●		●
	 VERTICAL WATER CABINET **Electromechanical system**	X WC	R407C	78		●		●	●		●	●		●	
	 SERVER ROOMS SOLUTION	NEW AIRTELECOM		80						●					



→ **Redundancy** solution
→ **Industrial** application
→ **Wide power range**
→ **High reliability**

Fixed Speed
Cooling only

X AC
VERTICAL AIR CABINET





Plenum optional

X AC range is electromechanical
→ **High reliability**

GOOD QUALITY FIXED SPEED PRICE RATIO

Made in France

PRODUCTS

- Easy installation and maintenance.
- “Plug & Play” for replacement.
- Air discharge through duct network or plenum.
- Adjustable available static pressure.

FEATURES

TECHNOLOGY:

R407C
R407C FLUID

MAIN OPTIONS

- Room thermostat.
- Hot water heating coil.
- “All seasons” system (cooling mode operation down to outdoor temperature of -10°C).
- Remote fault reporting.
- Plenum, fresh air.
- Pipe link (10 m).

- → Split system with outdoor condenser fan unit.
- → Temperature control by thermostat on the front frame or by a remote control (optional).
- → Electrical, refrigeration and thermal protection devices.
- → Available with or without neutral in 3P/400V/50Hz.
- → “High ventilation” in standard for XAC 1200 and 1900.
- → “Plug & Play” to replace old Airwell vertical cabinet.
- → High ventilation kit and electrical heater factory mounted or in accessory on demand.

OPERATING LIMIT FOR STANDARD UNIT

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

X AC TECHNICAL DATA

Indoor unit			X AC 1200	X AC 1900	X AC 2450	X AC 3250	X AC 4650	X AC 6450
Standard unit with neutral		**Part nb.**	**7XU122245**	**7XU122267**	**7XU122078**	**7XU122079**	**7XU122080**	**7XU122081**
Phase			**Three phase**	**Three phase**	**Three phase**	**Three phase**	**Three phase**	**Three phase**
RATED POWER								
Cooling	**Power**	**kW**	**12.3**	**16.2**	**19.8**	**29.0**	**38.9**	**55.0**
	Nominal power input Cooling + Ventilation (SV/HV)	kW	4.2/4.4	5.7/6.2	7.1/7.5	10.2/11.3	15/16	22.2/23.7
	Nominal power input Electrical heating + Ventilation (SV/HV)	kW	7.6/8	9.2/10.4	13.6/14	16.8/17.6	28.8/6	35.2/36.4
	EER		2.93	2.84	2.78	2.84	2.6	2.5
	Cooling circuit	nb	1	1	1	1	2	2
INDOOR UNIT								
Phase/Voltage/Frequency			3P/400V/50Hz + neutral depending on models					
Ventilation	Available static pressure	Pa	200	300	200	200	250	290
	Available static pressure (HV)	Pa	200	380	400	400	480	480
	Nominal airflow	m³/h	2000	3200	4500	5800	9000	12000
	Airflow range (min./max.)	m³/h	1500/2500	2500/3800	3600/5400	4600/7000	7200/10800	9500/14500
Sound power level		dB(A)	56	68	75	81	77	85
Dimensions	WxHxD	mm	890x1540x430	1000x1735x500	1300x1840x600	1530x1840x600	1715x1970x790	1980x1970x790
	Plenum height	mm	220	260	350	350	400	400
Weight		kg	136	182	265	350	525	600
ACCESSORIES								
On/Off switch and room thermostat		**Part nb.**	**7ACEL0041**	**7ACEL0041**	**7ACEL0032**	**7ACEL0032**	**7ACEL0032**	**7ACEL0032**
Remote fault reporting		**Part nb.**	**On demand**	**On demand**	**7ACEL0072**	**7ACEL0072**	**7ACEL0071**	**7ACEL0071**
Air distribution duct frame		**Part nb.**	**7ACVF0582**	**7ACVF0102**	**7ACVF0050**	**7ACVF0051**	**7ACVF0052**	**7ACVF0052**
Total rear air intake duct frame		**Part nb.**	**7ACVF0041**	**7ACVF0104**	**7ACVF0043**	**7ACVF0044**	**7ACVF0045**	**7ACVF0046**
Front air distribution plenum		**Part nb.**	**7ACVF0105**	**7ACVF0106**	**7ACVF0108**	**7ACVF0109**	**7ACVF0110**	**7ACVF0111**
Fresh air supplied		**Part nb.**	**7ACVF0047**	**7ACVF0047**	**On demand**	**On demand**	**On demand**	**On demand**

COMBINATIONS

X AC 1200	X AC 1900	X AC 2450	X AC 3250	X AC 4650	X AC 6450
CONA 34	**CONA 54**	**CONA 74**	**CONA 104**	**CONA 148**	**CONA 208**
-	-	-	-	= 2 x CONA 74	= 2 x CONA 104

Fixed Speed
Cooling only

CONA
AIR CONDENSER





COMPATIBLE WITH VERTICAL AIR CABINET XAC



FEATURES

TECHNOLOGY:

R407C FLUID

OPTIONS OBLIGATOIRES

- Set of female valves.

CONA TECHNICAL DATA

Outdoor unit			CONA 34	CONA 54	CONA 74	CONA 104	CONA 148 (2 X CONA 74)	CONA 208 (2 X CONA 104)
Standard unit with neutral		**Part nb.**	**7XU131025**	**7XU131026**	**7XU131027**	**7XU131028**	**2 x 7XU131027**	**2 x 7XU131028**
Phase			**Three phase**	**Three phase**	**Three phase**	**Three phase**	**Three phase**	**Three phase**
OUTDOOR UNIT								
Phase/Voltage/Frequency			3P/400V/50Hz					
Condenser unit			1	1	1	1	2	2
Ventilation	Max. airflow	m^3/h	8600	7600	8550	14000	8550	14000
	Speed	tr/mn	870					
Sound power level		dB(A)	52	58	61	73	64	76
Dimensions (WxHxD)		mm	885x840x825	885x840x825	1141x840x885	1546x840x885	1141x840x885	1546x840x885
Weight		kg	59	68	93	130	93	130
Pipe line	Suction pipe diameter	inches	1/2"	1/2"	5/8"	3/4"	5/8"	3/4"
	Liquid pipe diameter	inches	3/8"	3/8"	1/2"	5/8"	1/2"	5/8"
	Max. length	m	45	45	45	45	45	45
Refrigerant/GWP			**R407C/1774**	**R407C/1774**	**R407C/1774**	**R407C/1774**	**R407C/1774**	**R407C/1774**
Charge		kg	1.22	1.704	7.6	9.8	2x9.8	2x7.6
ACCESSORIES								
Set of female valves (mandatory)		**Part nb.**	**7ACFH0054**	**7ACFH0055**	**7ACFH0056**	**7ACFH0061**	**7ACFH0057**	**7ACFH0060**

Fixed Speed
Cooling only

X WC
VERTICAL WATER CABINET





Plenum optional

GOOD QUALITY FIXED SPEED PRICE RATIO

Made in France

PRODUCTS

- Easy installation and maintenance.
- Public or recycled water operation.
- Air discharge through duct network or plenum.
- Adjustable available static pressure.

→ Monobloc system.
→ Temperature control by thermostat on the front frame or by a remote control (optional).
→ Electrical, refrigeration and thermal protection devices.
→ “High ventilation” in standard for CX25 and 1900.
→ “Plug & Play” to replace old Airwell vertical cabinet.

FEATURES

TECHNOLOGY:

R407C
R407C FLUID

MAIN OPTIONS

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

OPERATING LIMIT FOR STANDARD UNIT

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

X WC TECHNICAL DATA

Indoor unit				CX 25	X WC 1900	X WC 2450	X WC 3250	X WC 4650
Unit with valve			Part nb.	7XU012192	7XU012187	7XU012029	7XU012030	7XU012031
Phase				Three phase	Three phase	Three phase	Three phase	Three phase
RATED POWER								
Cooling	**Power**		**kW**	**8**	**18.0**	**23.0**	**32.4**	**45.7**
	Nominal power input Cooling + Ventilation (SV/HV)	Wasted water	kW	2.1/2.6	5.1/5.6	6.4/6.8	9.2/10.3	13.5/14.5
		Recycled water	kW	-	4.6/5.1	5.8/6.2	8.3/9.4	12.4/13.4
	Nominal power input Electrical Heating + Ventilation (SV/HV)		kW	3.8/4.6	9.2/10.4	13.6/14	16.8/17.6	28.8/30
	EER			3.80	3.52	3.59	3.52	3.38
	Cooling circuit			1	1	1	1	2
VENTILATION								
Available static pressure			Pa	100	250	230	250	250
Available static pressure (HV)			Pa	320	400	400	480	480
Nominal airflow			m³/h	1500	3200	4500	5800	9000
Airflow range (min./max.)			m³/h	1200/1850	2500/3800	3600/5400	4600/7000	7200/10800
HYDRAULIC CIRCUIT								
Wasted water	Water flow		m³/h	0.34	0.95	1	1.7	2.8
	Pressure drop		kPa	6	30	22	35	18
Recycled water	Water flow		m³/h	1.47	3.05	4.3	5.8	8.3
	Pressure drop		kPa	35	65	60	40	56
Refrigerant/GWP				**R407C/1774**	**R407C/1774**	**R407C/1774**	**R407C/1774**	**R407C/1774**
Charge			kg	1.18	2.269 Wasted water/2.85 Recycled water	5.22	6.615	
SOUND LEVELS								
Sound power level*			dB(A)	51	55	58	64	60
POWER SUPPLY								
Phase/Voltage/Frequency				3P/400V/50Hz/N				
DIMENSIONS								
Indoor unit (WxHxD)			mm	800x1280x407	1000x1735x474	1300x1840x600	1530x1840x600	1715x1970x790
Plenum height			mm	300	260	350	350	400
WEIGHT								
Indoor unit			kg	125	199	305	380	565
ACCESSORIES								
Electric heater (3P/400V/50Hz)			kW	5.4	12	18	22.5	37.5
			Part nb.	**7ACEL0018**	**7ACEL0043**	**7ACEL0057**	**7ACEL0058**	**7ACEL0116**
On/Off switch and room thermostat			**Part nb.**	**7ACEL0030**	**7ACEL0041**	**7ACEL0032**	**7ACEL0032**	**7ACEL0032**
Remote fault reporting			**Part nb.**	**-**	**-**	**7ACEL0072**	**7ACEL0072**	**7ACEL0071**
Air distribution duct frame			**Part nb.**	**-**	**7ACVF0102**	**7ACVF0050**	**7ACVF0051**	**7ACVF0052**
Total rear air intake duct frame			**Part nb.**	**-**	**7ACVF0104**	**-**	**-**	**-**
Front air distribution plenum			**Part nb.**	**7ACVF0112**	**7ACVF0106**	**7ACVF0108**	**7ACVF0109**	**7ACVF0110**
Fresh air supplied			**Part nb.**	**-**	**7ACVF0047**	**-**	**-**	**-**

* Total sound pressure dB(A) (4m) under nominal conditions in a room of 1000m³ (reverberation 0.83s).

AIRTELECOM
REDUNDANCY SOLUTION





NEW

24 hours/24 Security 24h/24 TOTAL SECURITY

COMPATIBLE WITH

DUCTED DDM



CASSETTE CDM



FLOOR CEILING FDM



PRODUCTS

- **SECURITY:** 24/24 air conditioning.
- **REGULATION:** Optimized operation.
- **CONNECTIVITY:** Web interface.
- Airwell **UNIQUE SOLUTION**.
- **HIGH QUALITY: Siemens** technology.
- Compatible with all indoor units equipped with **dry contact** and **alarm output**.

FEATURES

REDUNDANCY FUNCTION

CONNECTIVITY

BMS COMPATIBLE

APPLICATIONS

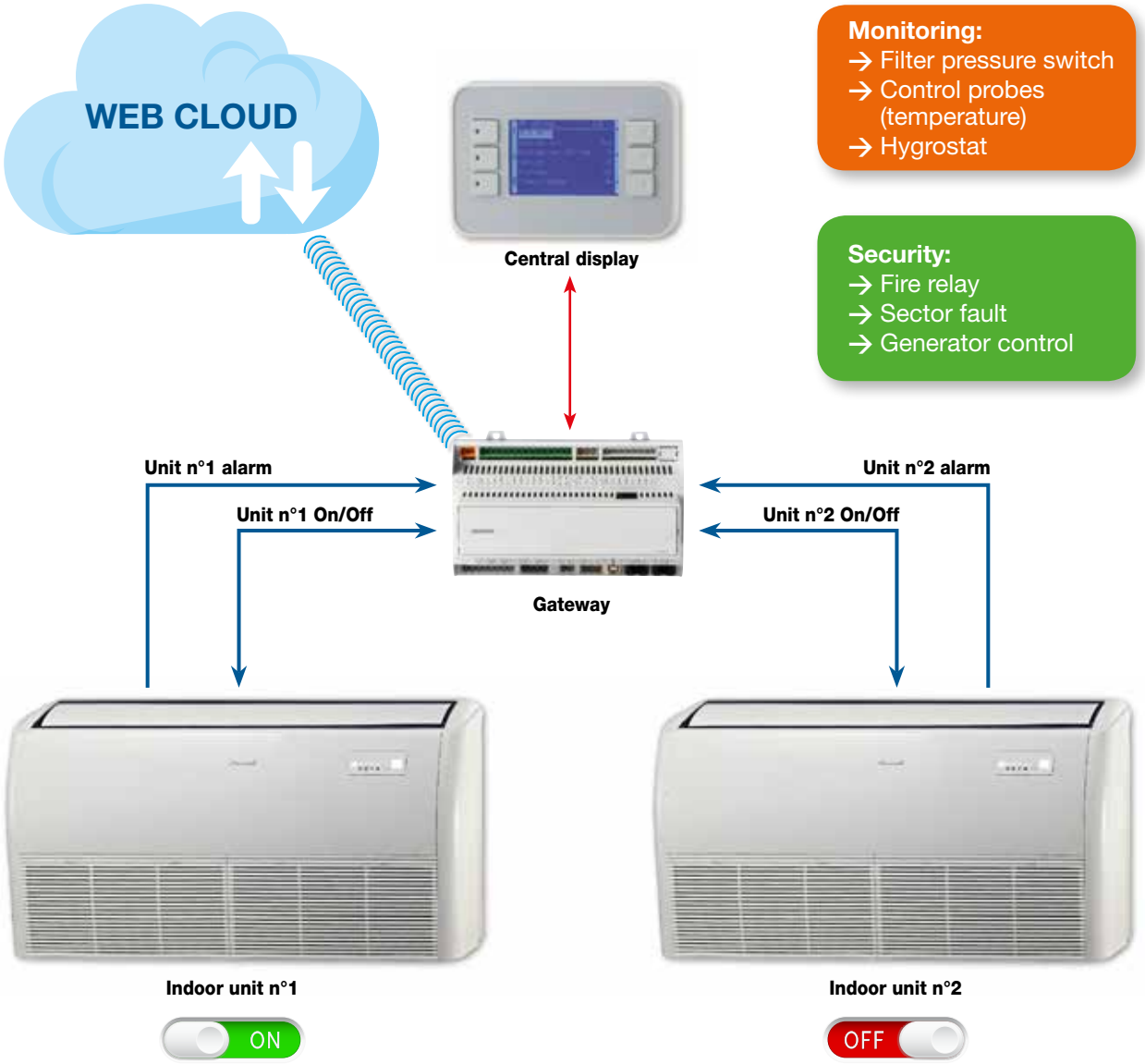
- Computer rooms.
- Specific server premises.
- Industrial application.
- Sensitive premises.

DESCRIPTION

→ Airwell offers **full redundancy solution**, also available online 24h/24.
→ This automatic system makes it possible to **secure a room sensitive** to temperature maintenance by installing two jointly controlled air conditioners.

FUNCTIONS

→ **Automatic operation switching** of the air conditioner in case of failure of one of them.
→ Simultaneous operation of the two air conditioners in case of high temperature.
→ Inversion of the automatic order of the two adjustable units from 0 to 24 hours.
→ **Automatic restart** in case of power failure.
→ Management of operating hours of each system.
→ Failure rate real time management.
→ Clogging filters management.
→ Predictive maintenance: history of **defect reported** on a central and on-line display (optional web interface).
→ **Data archived** on SD card.
→ Probe reading: filter pressure probe, hygrostat...
→ **Fire safety**: total shutdown of the air conditioning in case of fire.
→ GTC compatible.
→ Energy metering in kW (optional).



SOLUTIONS

Solution	Accessory	Part number	Photo	Description
AIRTELECOM STANDARD	Central display !	7ACEL1768		- Human machine interface - System status visualisation (operating time, error codes, failure rate...) - Supplied power
	Gateway ! BMS			- Control gateway to connect to indoor units - TCP/IP port: ModBus - GTC - Supplied power
OPTIONS				
CLOUD OPTION	Connected solution	7ACEL1769		Access to the online system *via* the Climatix interface
ENERGY METERING OPTION	Energy metering - Single phase	7ACEL1770		kW metering
	Energy metering - Three phase	7ACEL1771		

! Mandatory accessory.

VRF Range
Outdoor groups

	MODEL NAME		Fluid type	Page	Capacity (HP)	Cooling power (kW)	Heating power (kW)
MINI FLOWLOGIC II	YCV080		R410A	88	3	8	9.5
	YCV125		R410A	88	4	12.5	14
	YCV150				5	15	17
	YCV180				6	18	20
	YCVFD280		R410A	88	10	28	31.5
	YCVFD335				10	28	31.5
FLOWLOGIC III	YDV280		R410A	90	10	28	31.5
	YDV335						
	YDV400				14	40	45
	YDV450				16	45	50
	YDV504		R410A	90	18	50.4	56.5
	YDV560				20	56	63
	YDV615						
	YDV680				24	68	73
FLOWLOGIC II HR	YCV280HR		R410A	100	10	28	31.5
	YCV335HR		R410A	100	12	33.5	37.5
	YCV400HR				14	40	45
	YCV450HR				16	45	50
WATER FLOWLOGIC	YWC220		R410A	108	22.4	8	25.0
	YWC280				28.0	10	31.5
	YWC335				33.5	12	37.5

- **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
- **Certified Eurovent**



VRF Range
Indoor units

MODEL NAME			Fluid type	Page
HIGH WALL	HBV		R410A	110
CASSETTE 600X600	CBV		R410A	111
CASSETTE 900X900	CCV		R410A	112
360° CASSETTE	NEW CFV		R410A	113
FLOOR CEILING	FAV		R410A	114
DUCTED LOW STATIC PRESSURE	NEW DDV		R410A	115
DUCTED MEDIUM STATIC PRESSURE	UPGRADE DBV		R410A	116
DUCTED HIGH STATIC PRESSURE	DCV		R410A	117
CONSOLE	UPGRADE EAV		R410A	118
AHU CONNECTION KIT				120

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
		●	●	●	●	●	●		●						
	●	●	●	●	●										
						●	●		●		●				
						●	●		●		●	●			
			●	●		●	●	●	●	●	●				
		●	●	●	●										
						●	●	●	●	●	●				
						●	●		●		●		●	●	
			●	●		●									
											●		●	●	●

VRF

Why choosing a VRF system?



One system for multiple applications



Shopping centers



Villas



Hostels



Offices

Extrem versatility

- All seasons
- Immediate change mode (heating/cooling)
- Extendable system
- Any indoor unit
- Anti-corrosion treatment on demand Blygold®



HIGH WALL HBV



CASSETTE 600x600 CBV



CASSETTE 900x900 CCV



360° CASSETTE 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
- Easy setup (piping, electricity, regulation...)
- 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
- Certified Eurovent

Performant system

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



The highly efficient Scroll compressor is equipped with a “Framen Compliance Mechanism” that allows movement in the axial direction of the frame supporting the cradle Scroll. This greatly reduces both leakage and friction loss, ensuring very high efficiciency throughout the speed 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



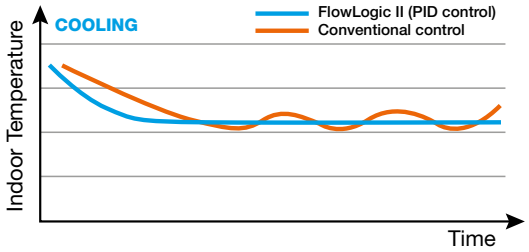
- The system is cooled with little refrigerant.
- Improve subcooling degree of refrigerant.
- Avoid energy loss due to refrigerant flash evaporating when it goes through PMV.
- W-model Ø8 innergrooved tube.
- Hydrophilic aluminium coil fin, it will increase efficiency of heat exchange by 5%.

Increase the efficiency of system

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

PRECISE CONTROL

PID control adjusts the output of 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.



MINI FLOWLOGIC II
2-PIPES - FRONT DISCHARGE





- → Capacity range: 3-4-5-6-10-12 HP.
- → Designed for residential use or for light commercial use.
- → Minimum outdoor temperature for heating mode operation -15°C.
- → Minimum outdoor temperature for cooling mode operation -5°C.
- → DC Inverter compressor and ventilator.
- → Refrigerant simple pipe length up to 300 m.
- → Capacity ratio 50-130%.

PRODUCTS

- COP can reach 4.2.
- Compact (0.32 m² footprint).
- Easy maintenance.



RWV06
(optional)



RWV08
(optional)

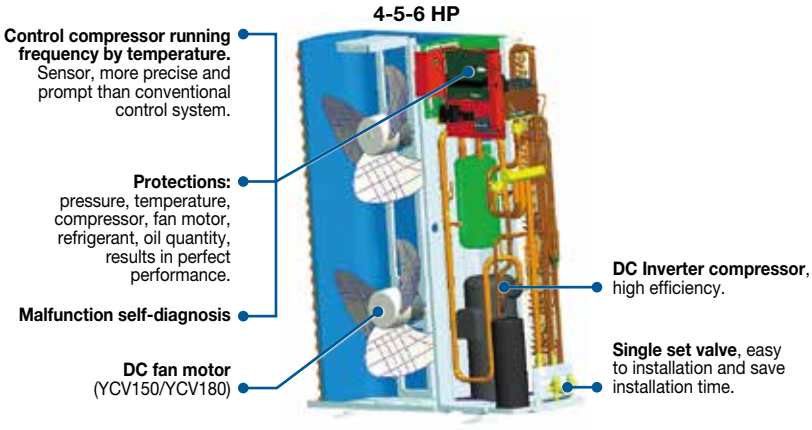
FEATURES

TECHNOLOGY:

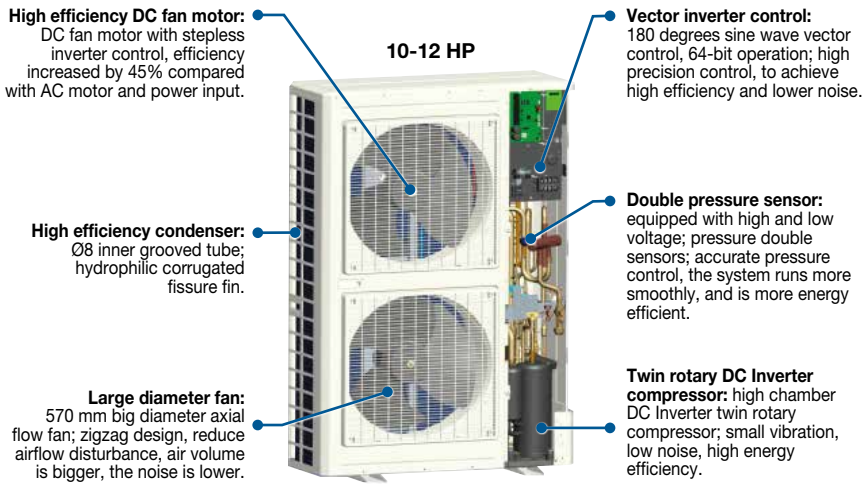
R410A FLUID

DC INVERTER

4-5-6 HP



10-12 HP



MINI FLOWLOGIC II TECHNICAL DATA

Outdoor unit		AWAU-YCV080-H11	AWAU-YCV125-H11	AWAU-YCV150-H11	AWAU-YCV150-H13	AWAU-YCV180-H13	AWAU-YCVFD280-H13	AWAU-YCVFD335-H13
Phase		Single phase	Single phase	Single phase	Three phase	Three phase	Three phase	Three phase
		7SP14H045	7SP14H041	7SP14H042	7SP14H044	7SP14H043	7SP14H011	7SP14H012
Part number								
RATED POWER								
Cooling	**kW**	**8**	**12.5**	**15**	**15**	**18**	**28**	**33.5**
EER		3.64	3.79	3.77	3.77	3.47	3.5	3.44
Seasonal energy efficiency		210			202	181	274	3.9
Heating	**kW**	**9.5**	**14**	**17**	**17**	**20**	**31.5**	**37.5**
COP		4.31	4.12	4.35	4.35	3.9	4.2	
Seasonal energy efficiency		144			137	133	199	
ELECTRICAL PARAMETERS								
Phase/Voltage/Frequency		1P/220-240/50Hz/N	1P/220-240/50-60Hz/N		3P/400V/50Hz/N			3P/380-400V /50-60Hz/N
Cooling rated power input	kW	2.20	3.30	3.98	3.98	5.19	8	9.75
Heating rated power input	kW	2.20	3.40	3.91	3.91	5.13	7.5	9.62
Max. current	A	18.9	34.1	34.1	11.2	11.6	23.8	26
PERFORMANCE								
Airflow (HS)	m³/h	3500	6500	6500	6500	6500	10000	10000
Sound pressure level (HS)	dB(A)	54	57	58	58	59		60
Sound power level (HS)	dB(A)	65	68	69	69	70	58	71
INSTALLATION								
External dimensions (WxHxD)	mm	960x830x340	960x1250x340	960x1250x340	960x1250x340	960x1250x340	1050x1636x400	1050x1636x400
Shipping dimensions (WxHxD)	mm	1095×945×410	1095×1400×410	1095×1400×410	1095×1400×410	1095×1400×410	1150x1790x510	1150x1795x510
Net weight/Gross weight	kg	70/76	99/107	99/107	99/107	99/107	168/183	168/183
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary	Scroll	Rotary
Liquid pipe diameter	inches	3/8”	3/8”	3/8”	3/8”	3/8”	1/2”	1/2”
Suction pipe diameter	inches	5/8”	3/4”	3/4”	3/4”	3/4”	7/8”	1”
Max. pipe length	m	100	150	150	150	150	300	300
Max. height between indoor and oudoor units*	m	30	30	30	30	30	50	50
Maximum indoor units connectable	quantity	4	8	8	8	9	16	16
OPERATING LIMITS								
Cooling	°C	10°/48°	-5°/48°	-5°/48°	-5°/48°	-5°/48°	-5°/43°	-5°/43°
Heating	°C	-15°/21°	-15°/21°	-15°/21°	-15°/21°	-15°/21°	-15°/21°	-15°/21°
PIPE LINE								
Refrigerant/GWP		R410A/2088	R410A/2088	R410A/2088	R410A/2088	R410A/2088	R410A/2088	R410A/2088
Charge (0 m)	kg	2.4	3.8	3.8	3.8	3.8	7.4	7,4

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

TUBING ACCESSORIES

Accessory	Part number	Code	Photo	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
	7ACFHH003	TAU730		Refrigerant gathering	50.6 kW ≤ Total indoor units power < 73 kW
	7ACFHH004	TAU1350		Refrigerant gathering	73 kW ≤ Total indoor units power < 135 kW
	7ACFHH015	TAU2040		Refrigerant gathering	135 kW ≤ Total indoor units power

FLOWLOGIC III
2-PIPES - TOP DISCHARGE





- → Capacity range from 10 to 72 HP.
- → Capacity range until 24 HP with only one unit.
- → Designed for all commercial uses.
- → Minimum outdoor temperature for heating mode operation -23°C.
- → Minimum outdoor temperature for cooling mode operation -5°C.
- → Refrigerant simple pipe length up to 1000 m.
- → Capacity ratio 50-130%.
- → Certified Eurovent.

PRODUCTS

- COP can reach 4.45.
- Compact (0.97 m² footprint).
- Large capacity range (single and combination).
- DC Inverter compressor and ventilator.



RWV06 (optional)



RWV08 (optional)

FEATURES

TECHNOLOGY:

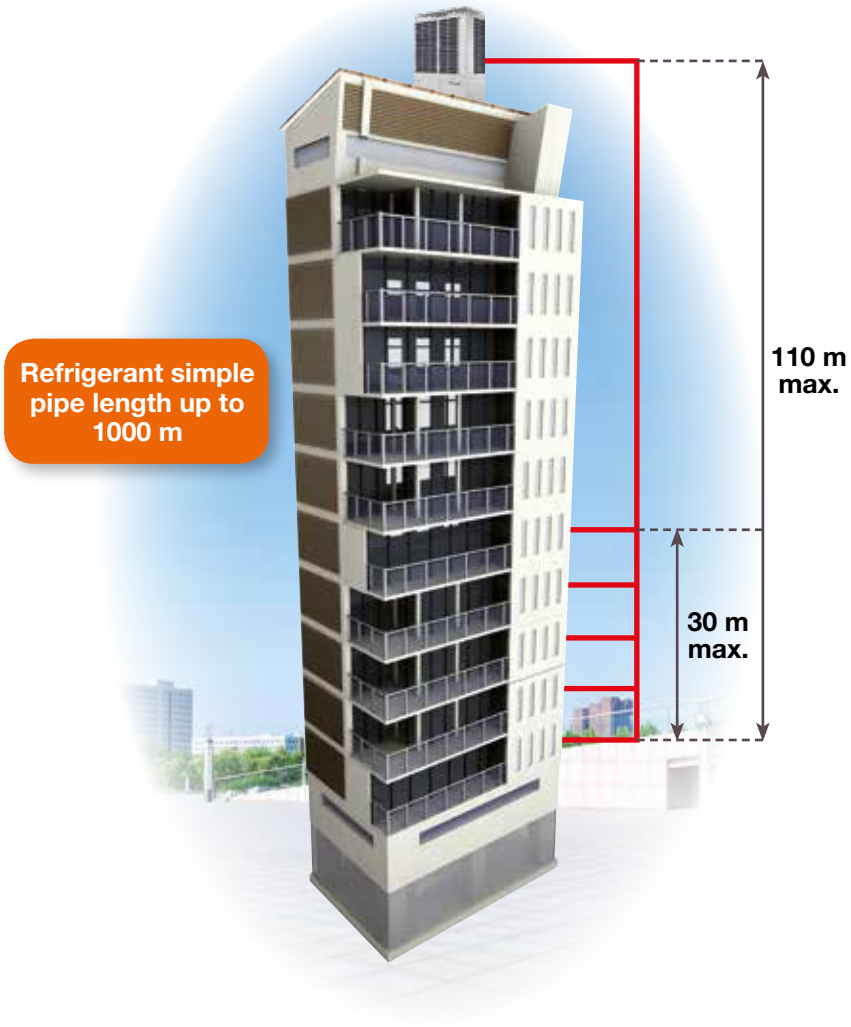
R410A FLUID

DC INVERTER

TUBING 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 indoor units power
	7ACFHH002	TAU506		Refrigerant gathering	33.5 kW ≤ Total indoor units power < 50.6 kW
	7ACFHH003	TAU730		Refrigerant gathering	50.6 kW ≤ Total indoor units power < 73 kW
	7ACFHH004	TAU1350		Refrigerant gathering	73 kW ≤ Total indoor units power < 135 kW
	7ACFHH015	TAU2040		Refrigerant gathering	135 kW ≤ Total indoor units power

HIGH MODULARITY: LONG PIPE LENGTH, HIGH HEIGHT DROP



■ Floor area optimized for all the product range
(same foot print for all modules: 0.97 m²)

→ One of the smallest footprint on market.



→ 0.97 m²

■ Full DC inverter

→ 2 x Full DC Inverter



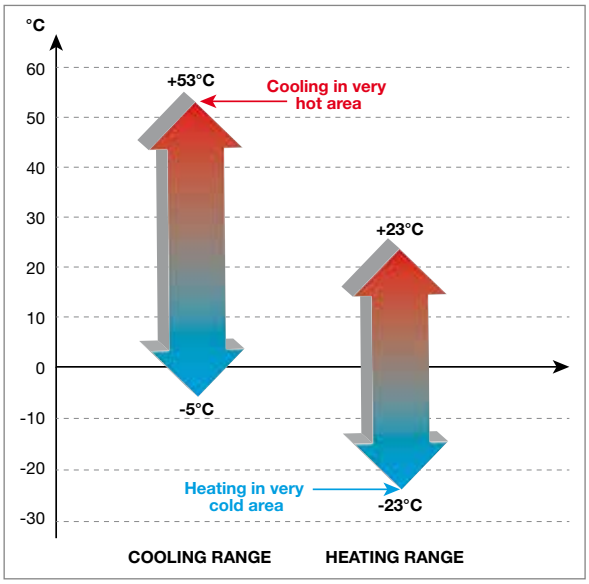
FLOWLOGIC III
2-PIPES - TOP DISCHARGE

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



Hidden solution: installation of outdoor unit in a technical room

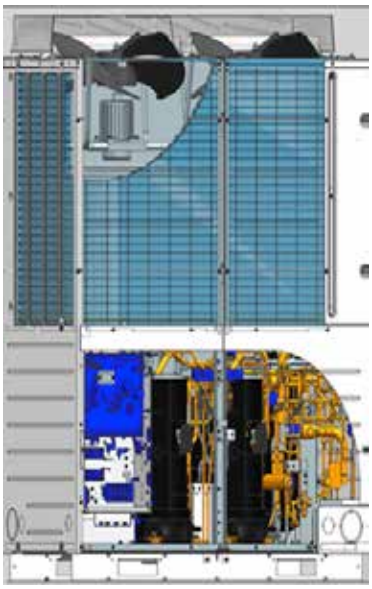
Wide operation range



→ **Specific design:**
- Double EEV
- Two-piece condenser
- Independent electrical box

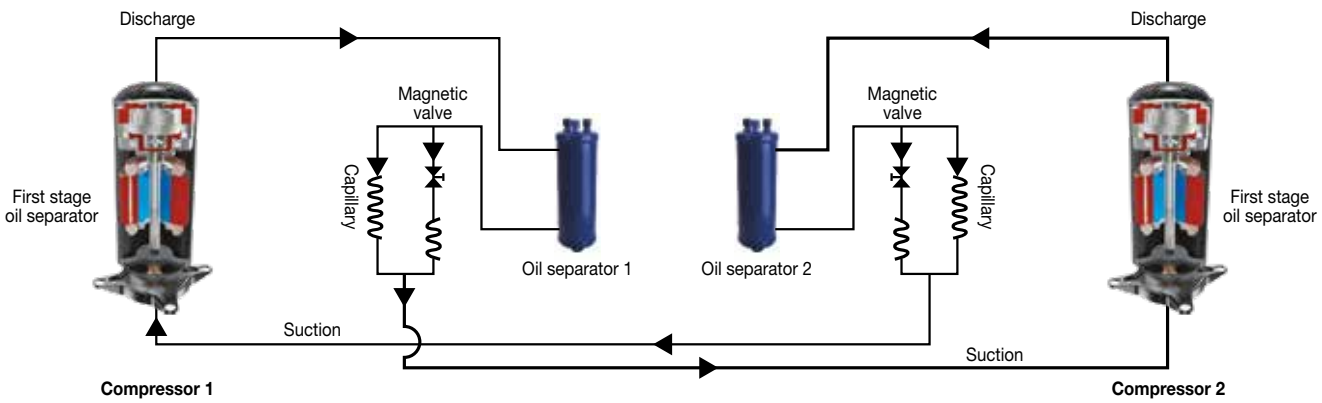
→ **Reliability/Maintenance:**
- Compressor double protection: two pressure sensors
- Double oil temperature sensor
- Large volume gas-liquid separator (26L) + liquid storage tank (10L)
- Two floor structure (no air bypass during maintenance): efficient measures

→ **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.



EUROVENT CERTIFIED PERFORMANCE

FLOWLOGIC III TECHNICAL DATA

			Drop only						Drop only	
Outdoor unit			**AWAU-YDV 280-H13**	**AWAU-YDV 335-H13**	**AWAU-YDV 400-H13**	**AWAU-YDV 450-H13**	**AWAU-YDV 504-H13**	**AWAU-YDV 560-H13**	**AWAU-YDV 615-H13**	**AWAU-YDV 680-H13**
Part number			**7SP14H030**	**7HP14H031**	**7SP14H032**	**7SP14H033**	**7SP14H034**	**7SP14H035**	**7SP14H036**	**7SP14H037**
Outdoor unit Tropicalized version - Drop only			**AW-YDV 280TR-H13**	**AW-YDV 335TR-H13**	**AW-YDV 400TR-H13**	**AW-YDV 450TR-H13**	**AW-YDV 504TR-H13**	**AW-YDV 560TR-H13**	**AW-YDV 615TR-H13**	**AW-YDV 680TR-H13**
Part number			**7SP14H058**	**7SP14H059**	**7SP14H060**	**7SP14H061**	**7SP14H062**	**7SP14H063**	**7SP14H064**	**7SP14H065**
Phase			**Three phase**	**Three phase**	**Three phase**	**Three phase**	**Three phase**	**Three phase**	**Three phase**	**Three phase**
										
POWERS										
Capacity range		HP	10	12	14	16	18	20	22	24
Cooling		kW	28	33.5	40	45	50.4	56	61.5	68
Heating		kW	31.5	37.5	45	50	56.5	63	69	73
ELECTRICAL PARAMETERS										
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N							
Cooling	Rated power input	kW	7.00	8.59	10.26	11.90	13.62	15.56	17.57	19.71
	Power input max.	kW	14.38	14.73	16.91	22.68	22.10	25.19	30.56	37.47
	Rated current	A	11.56	14.19	16.94	19.66	22.50	25.69	29.02	32.55
	Current max.	A	23.68	25.1	28.40	36.80	36.15	41.10	49.65	60.65
Heating	Rated power input	kW	7.08	8.72	10.71	12.05	13.95	15.95	18.16	19.47
	Power input max.	kW	13.23	13.68	15.60	17.20	22.68	25.19	27.72	28.62
	Rated current	A	11.69	14.40	17.69	19.90	23.04	26.34	29.99	32.15
	Current max.	A	21.79	22.1	25.20	27.88	37.80	42.00	46.05	47.40
EER			4.00	3.90	3.90	3.78	3.70	3.60	3.50	3.45
Seasonal energy efficiency			274	269	255	236	242	233	229	223
COP			4.45	4.30	4.20	4.15	4.05	3.95	3.80	3.75
Seasonal energy efficiency			199	193	185	163	165	163	154	149
PERFORMANCE										
Airflow	Heating	m^3/h	15000	15000	15000	15600	16200	16200	16200	16200
	Cooling	m^3/h	13200	13200	13200	14400	15000	15000	15000	15000
Sound pressure level to 1 m		dB(A)	57	59	59.5	61	62	62	62	63
Sound power level		dB(A)	73	75	76	77	79	79	79	80
INSTALLATION										
Dimensions (WxHxD)		mm	1350x1690x720	1350x1690x720	1350x1690x720	1350x1690x720	1350x2048x720	1350x2048x720	1350x2048x720	1350x2048x720
Refrigerant/GWP			R410A/2088							
Refrigerant charge		kg	9.7	9.7	10	10	10	10	10	10
Net weight/Gross weight		kg	276/301	276/301	279/304	321/346	335/360	335/360	359/384	359/384
Compressor type			Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Tubing	Liquid pipe diameter	inches	3/8”	1/2”	1/2”	1/2”	5/8”	5/8”	5/8”	5/8”
	Suction pipe diameter	inches	7/8”	1”	1”	1”1/8	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”	3/8”	3/8”	3/8”
	Max. tube length	m	1000	1000	1000	1000	1000	1000	1000	1000
Max. height between indoor and oudoor units (ODU up/down)		m	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
External static pressure		Pa	82	82	82	82	82	82	82	82
Environment temperature range	Cooling	°C	-5°/50°							
	Heating	°C	-23°/21°							
Maximum indoor units connectable		quantity	20	24	29	33	37	41	45	49

FLOWLOGIC III
2-PIPES - TOP DISCHARGE

TECHNICAL DATA FOR **TWO COMBINATIONS**

			Drop only					
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**	**YDV400 / 7SP14H032** **YDV450 / 7SP14H033**	**YDV400 / 7SP14H032** **YDV504 / 7SP14H034**	**YDV450 / 7SP14H033** **YDV504 / 7SP14H034**	**YDV450 / 7SP14H033** **YDV560 / 7SP14H035**
								
POWERS								
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
	Power input max.	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
	Current max.	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
	Power input max.	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
	Current max.	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	31480
	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			R410A/2088					
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. tube length	m	1000	1000	1000	1000	1000	1000
Max. height between indoor and oudoor 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**

					Drop only		Drop only	
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**	**YDV560 / 7SP14H035** **YDV615 / 7SP14H036**	**YDV560 / 7SP14H035** **YDV680 / 7SP14H037**	**YDV615 / 7SP14H036** **YDV680 / 7SP14H037**	**YDV680 / 7SP14H037** **YDV680 / 7SP14H037**
POWERS								
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
	Power input max.	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
	Current max.	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
	Power input max.	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
	Current max.	A	19.80	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”	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. tube length	m	1000	1000	1000	1000	1000	1000
Max. height between indoor and oudoor 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

FLOWLOGIC III
2-PIPES - TOP DISCHARGE

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 YDV504 / 7SP14H034 YDV504 / 7SP14H034	YDV450 / 7SP14H033 YDV450 / 7SP14H033 YDV560 / 7SP14H035	YDV450 / 7SP14H033 YDV504 / 7SP14H034 YDV560 / 7SP14H035	YDV450 / 7SP14H033 YDV560 / 7SP14H035 YDV560 / 7SP14H035
						
POWERS						
Capacity range		HP	50	52	54	56
Cooling		kW	140.8	146	151.4	157
Heating		kW	158	163	169.5	176
ELECTRICAL PARAMETERS						
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N			
Cooling	Rated power input	kW	37.50	39.37	41.08	43.02
	Power input max.	kW	61.10	70.55	69.96	73.05
	Rated current	A	61.93	65.01	67.85	71.04
	Current max.	A	100.70	114.70	114.05	119.00
Heating	Rated power input	kW	38.62	40.05	41.95	43.95
	Power input max.	kW	60.96	59.59	65.07	67.57
	Rated current	A	63.77	66.14	69.28	72.58
	Current max.	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
PERFORMANCE						
Airflow	Heating	m³/h	44440	44440	48000	48000
	Cooling	m³/h	43200	43480	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
INSTALLATION						
Dimensions (WxHxD)		mm	1350x1690x720 + (1350x2048x720)x2	1350x1690x720 + (1350x2048x720)x2	1350x1690x720 + (1350x2048x720)x2	1350x1690x720 + (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	279/304 + (335/360)x2	321/346 + (335/360)x2	321/346 + (335/360)x2	(335/360)x3
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. tube length	m	1000	1000	1000	1000
Max. height between indoor and oudoor 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

EUROVENT CERTIFIED PERFORMANCE

TECHNICAL DATA FOR **THREE COMBINATIONS**

				Drop only	
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**
					
POWERS					
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
	Power input max.	kW	72.47	75.56	80,93	87.84
	Rated current	A	73.88	77.07	80,40	83.93
	Current max.	A	118.35	123.30	131,85	142.65
Heating	Rated power input	kW	45.85	47.85	50,06	51.37
	Power input max.	kW	73.05	75.56	78,09	78.99
	Rated current	A	75.72	79.02	82,67	84.83
	Current max.	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	m³/h	48600	48600	48600	48600
	Cooling	m³/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. tube length	m	1000	1000	1000	1000
Max. height between indoor and oudoor 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

FLOWLOGIC III
2-PIPES - TOP DISCHARGE

TECHNICAL DATA FOR **THREE COMBINATIONS**

			Drop only		Drop only	
Outdoor unit			**YDV1855-H13**	**YDV1920-H13**	**YDV1975-H13**	**YDV2040-H13**
Phase			**Three phase**	**Three phase**	**Three phase**	**Three phase**
Combinations part number			**YDV560 / 7SP14H035** **YDV615 / 7SP14H036** **YDV680 / 7SP14H037**	**YDV560 / 7SP14H035** **YDV680 / 7SP14H037** **YDV680 / 7SP14H037**	**YDV615 / 7SP14H036** **YDV680 / 7SP14H037** **YDV680 / 7SP14H037**	**YDV680 / 7SP14H037** **YDV680 / 7SP14H037** **YDV680 / 7SP14H037**
POWERS						
Capacity range		HP	66	68	70	72
Cooling		kW	185.5	192	197.5	204
Heating		kW	205	209	215	219
ELECTRICAL PARAMETERS						
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N			
Cooling	Rated power input	kW	52.84	54.98	56.99	59.13
	Power input max.	kW	93.22	100.13	105.50	112.41
	Rated current	A	87.26	90.79	94.12	97.65
	Current max.	A	151.2	162.00	170.55	181.35
Heating	Rated power input	kW	53.57	54.88	57.09	58.40
	Power input max.	kW	81.53	82.43	84.96	85.86
	Rated current	A	88.48	90.64	94.29	96.45
	Current max.	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	67.5
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			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 + 359/384	335/360 + (359/384)x2	335/360 + (359/384)x2	335/360 + (359/384)x2
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. tube length	m	1000	1000	1000	1000
Max. height between indoor and oudoor 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

FLOWLOGIC II HR
3-PIPES - TOP DISCHARGE





- Simultaneous operation in heating and cooling mode.
- Capacity range from 10 to 48 HP.
- Up to 64 indoor connectable units.
- DC inverter fan.
- Capacity ratio 50-130%.
- Minimum outdoor temperature for heating operation -15°C.
- Minimum outdoor temperature for cooling operation -5°C.
- Same indoor units and control devices across Mini FlowLogic II and FlowLogic III ranges (except EAV console range).
- Optimized dimensions, can be transported by elevator.
- Operation with time equalization (for twinned groups).
- Wide range of control systems.

PRODUCTS

- Heat recovery.
- COP can reach 4.10.
- Wide capacity range.
- Silent mode: -8 dB(A).



RWV06
(optional)



RWV08
(optional)

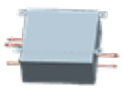
FEATURES

TECHNOLOGY:

R410A FLUID

DC INVERTER

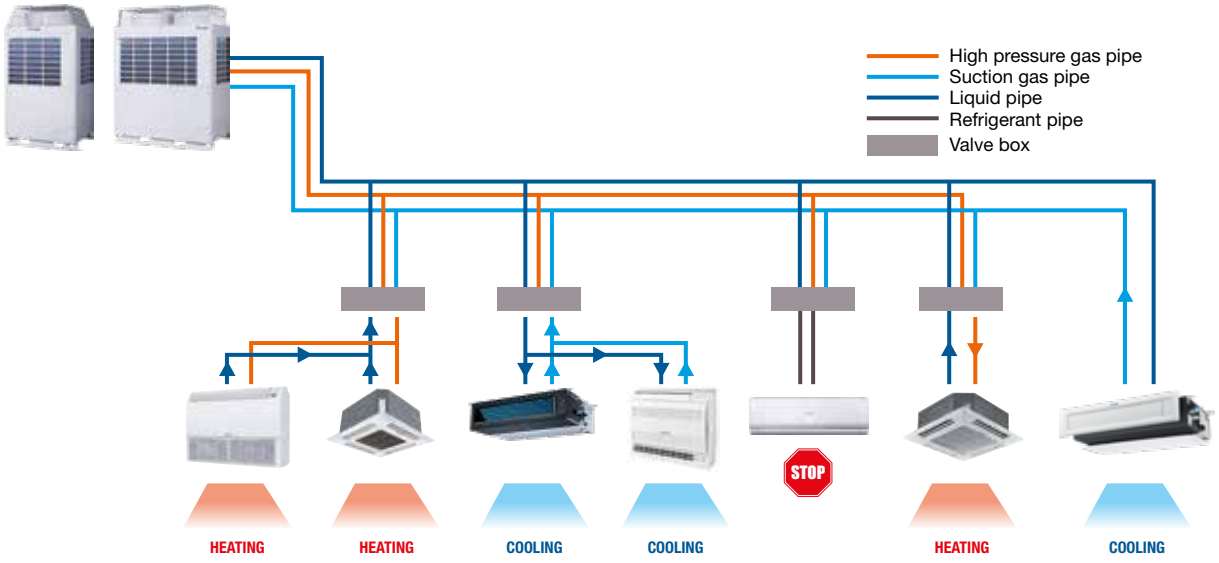
3-PIPES VRF RANGE SPECIFIC ACCESSORIES

Accessory	Part number	Photo	Description
TAS 20 HR	7ACFHH011		Gather pipe kit for 3 outdoor groups
TAS 30 HR	7ACFHH012		Gather pipe kit for 3 outdoor groups
TAU 335 HR	7ACFHH007		Manifold pipe for capacity less than 33.5 kW
TAU 506 HR	7ACFHH008		Manifold pipe for capacity less than 50.6 kW
TAU 730 HR	7ACFHH009		Manifold pipe for capacity less than 73.0 kW
TAU 1350 HR	7ACFHH010		Manifold pipe for capacity less than 135.0 kW
Valve box	7ACELH017		kit HR under 11.2 kW
Valve box	7ACELH018		Kit HR 11.2 kW - 18 kW
Valve box	7ACELH019		Kit HR above 18 kW

See general accessories on page 124.

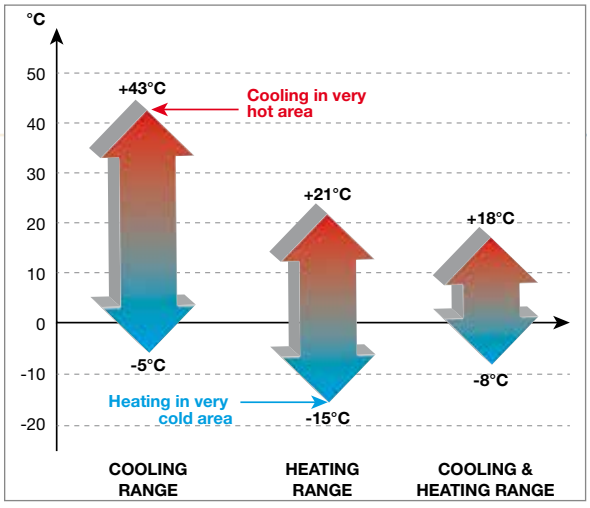
OPERATION PRINCIPLE OF THE HEAT RECOVERY SYSTEM

- Simultaneous operation in hot and cold.
- Overall optimization of the efficiency of the system by heat transfer between the rooms to be heated and cooled.
- Reactive during a change of operating mode (heating/cooling).



HIGH PERFORMANCE

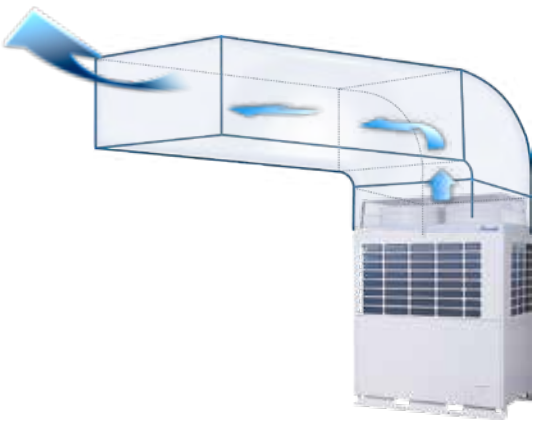
- Optimized operation at partial load: two-part condenser with independent control (double electronic expander).
- DC Inverter compressor (1 additional fixed speed compressor from 12 HP).
- Powerful DC fan (low noise level and energy savings).
- Wide operating range.



EASY INSTALLATION

- Accessible cooling network, regardless of the electronic part.
- Ducted unit: possible installation indoors (static pressure 50 Pa).

Hidden solution: installation of outdoor unit in a technical room



FLOWLOGIC II HR
3-PIPES - TOP DISCHARGE

RANGE TABLE FLOWLOGIC II HR

			OUTDOOR UNITS	INDOOR UNITS	
Capacity (HP)	Cooling power (kW)	Heating power (kW)	Combinations FlowLogic II HR	Maximum Indoor unit connectable	Range cooling power connectable* (kW)
10	28	31.5	1 X YCV280HR	16	14 - 36
12	33.5	37.5	1 X YCV335HR	19	17 - 43
14	40	45	1 X YCV400HR	23	20 - 52
16	45	50	1 X YCV450HR	26	22.5 - 58.5
20	56	63	2 X YCV280HR	33	28 - 72
22	61.5	69	1 X YCV280HR + 1 X YCV335HR	36	31 - 79.5
24	68	76.5	1 X YCV280HR + 1 X YCV400HR	39	34 - 88
26	73	81.5	1 X YCV280HR + 1 X YCV450HR	43	37 - 94.5
28	80	87.5	2 X YCV400HR	46	40 - 104
30	85	95	1 X YCV400HR + 1 X YCV450HR	50	43 - 110.5
32	90	100	2 X YCV450HR	53	45 - 117
34	96	108	2 X YCV280HR + 1 X YCV400HR	56	48 - 124.5
36	101	113	2 X YCV280HR + 1 X YCV450HR	59	51 - 131
38	108	119	1 X YCV280HR + 2 X YCV400HR	63	54 - 140
40	113	126.5	1 X YCV280HR + 1 X YCV400HR + 1 X YCV450HR	64	57 - 146.5
42	118	131.5	1 X YCV280HR + 2 X YCV450HR	64	59 - 153
44	123.5	137.5	1 X YCV335HR + 2 X YCV450HR	64	62 - 160.5
46	130	145	1 X YCV400HR + 2 X YCV450HR	64	65 - 169
48	135	150	3 X YCV450HR	64	68 - 175.5

* Indoor total capacity can be 50% - 130% of outdoor capacity.

FLOWLOGIC II HR TECHNICAL DATA

Outdoor unit		AWAU-YCV280HR-H13	AWAU-YCV335HR-H13	AWAU-YCV400HR-H13	AWAU-YCV450HR-H13
Phase		Three phase	Three phase	Three phase	Three phase
Part number		7SP14H016	7SP14H019	7SP14H017	7SP14H018
					
RATED POWER					
Cooling	**kW**	**28**	**33.5**	**40**	**45**
Heating	**kW**	**31.5**	**37.5**	**45**	**50**
ELECTRICAL PARAMETERS					
Phase/Voltage/Frequency		3P/380-400V/50-60Hz/N			
Cooling rated power input	kW	3.71	9.18	12.3	14.1
Heating rated power input	kW	7.55	9.15	11.1	13.5
EER/COP		3.71/3.95	3.65/4.10	3.25/4.05	3.20/3.70
Max. current	A	23.4	27.9	29.5	32.37
PERFORMANCE					
Airflow (HS)	m³/h	11100	14100	14100	14100
Noise level (HS)	dB(A)	57	60	60	60
INSTALLATION					
External dimensions (WxHxD)	mm	990x1808x750	1390x1808x750	1390x1808x750	1390x1808x750
Shipping dimensions (WxHxD)	mm	1090x1990x860	1490x1990x860	1490x1990x860	1490x1990x860
Net weight/Gross weight	kg	240/268	368/393	368/393	368/393
Compressor type		Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter
Liquid pipe diameter	inches	3/8”	1/2”	1/2”	1/2”
Suction pipe diameter	inches	7/8”	1”	1”	1”1/8
Max. pipe length	m	300	300	300	300
Max. height between indoor and oudoor units*	m	50/40	50/40	50/40	50/40
Max. height between indoor units	m	15	15	15	15
Maximum indoor units connectable	quantity	16	19	23	26
OPERATING LIMITS					
Cooling	°C	-5°/43° Dry bulb			
Heating	°C	-15°/21° Dry bulb			
PIPE LINE					
Refrigerant/GWP		R410A/2088	R410A/2088	R410A/2088	R410A/2088
Charge	kg	10	10	10	10

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

FLOWLOGIC II HR
3-PIPES - TOP DISCHARGE

TECHNICAL DATA FOR **TWO COMBINATIONS**

Indoor unit			YCV560HR-H13	YCV615HR-H13	YCV680HR-H13	YCV730HR-H13
Phase			Three phase	Three phase	Three phase	Three phase
Combinations part number			YCV280HR / 7SP14H016 YCV280HR / 7SP14H016	YCV280HR / 7SP14H016 YCV335HR / 7SP14H019	YCV280HR / 7SP14H016 YCV400HR / 7SP14H017	YCV280HR / 7SP14H016 YCV450HR / 7SP14H018
						
RATED POWER						
Capacity range		HP	20	22	24	26
Cooling		kW	56	61.5	68	73
Heating		kW	63	69	76.5	81.5
ELECTRICAL PARAMETERS						
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N			
Cooling	Rated power input	kW	15.1	16.73	19.85	21.65
	EER		3.71	3.68	3.43	3.37
	Rated current	A	24.67	27.33	32.43	35.37
Heating	Rated power input	kW	15.94	17.12	19.07	21.47
	COP		3.95	4.03	4.01	3.80
	Rated current	A	26.04	27.97	31.16	35.08
Power input max.		kW	29.4	32.24	33.25	35.18
Current max.		A	46.8	51.3	52.9	55.77
PERFORMANCE						
Airflow		m³/h	22200	25200	25200	25200
Sound pressure level to 1 m		dB(A)	60	61	61	61
INSTALLATION						
Dimensions (WxHxD)		mm	(990x1808x750)*2	990x1808x750 + 1390x1808x750	990x1808x750 + 1390x1808x750	990x1808x750 + 1390x1808x750
Package dimensions (WxHxD)			(1090x1990x860)*2	1090x1990x860 + 1490x1990x860	1090x1990x860 + 1490x1990x860	1090x1990x860 + 1490x1990x860
Net weight/Gross weight		kg	480/510	608/641	608/641	608/641
Refrigerant/GWP			R410A/2088	R410A/2088	R410A/2088	R410A/2088
Refrigerant charge		kg	20	20	20	20
Compressor type			Scroll	Scroll	Scroll	Scroll
Tubing	Liquid pipe diameter	inches	5/8”	5/8”	5/8”	3/4”
	Suction pipe diameter	inches	1”1/8	1”1/8	1”1/4	1”1/4
	Max. tube length	m	300	300	300	300
Max. height between indoor and oudoor units (ODU up/down)		m	50/40	50/40	50/40	50/40
Max. height between indoor units		m	15	15	15	15
Environment temperature range	Cooling	°C	-5°/43° Dry bulb			
	Heating	°C	-15°/21° Dry bulb			
Maximum indoor units connectable		quantity	33	36	39	43

TECHNICAL DATA FOR **TWO COMBINATIONS**

Indoor unit			YCV800HR-H13	YCV850HR-H13	YCV900HR-H13
Phase			Three phase	Three phase	Three phase
Combinations part number			YCV400HR / 7SP14H017 YCV400HR / 7SP14H017	YCV400HR / 7SP14H017 YCV450HR / 7SP14H018	YCV450HR / 7SP14H018 YCV450HR / 7SP14H018
					
RATED POWER					
Capacity range		HP	28	30	32
Cooling		kW	80	85	90
Heating		kW	90	95	100
ELECTRICAL PARAMETERS					
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N		
Cooling	Rated power input	kW	24.6	26.4	28.2
	EER		3.25	3.22	3.19
	Rated current	A	40.19	43.13	46.07
Heating	Rated power input	kW	22.2	24.6	27
	COP		4.05	3.86	3.70
	Rated current	A	36.27	40.19	44.11
Power input max.		kW	37.1	39.03	40.96
Current max.		A	59	61.87	64.74
PERFORMANCE					
Airflow		m³/h	28200	28200	28200
Sound pressure level to 1 m		dB(A)	62	62	62
INSTALLATION					
Dimensions (WxHxD)		mm	1390x1808x750+1390x1808x750	1390x1808x750+1390x1808x750	(1390x1808x750)*2
Package dimensions (WxHxD)			1490x1990x860+1490x1990x860	1490x1990x860+1490x1990x860	(1490x1990x860)*2
Net weight/Gross weight		kg	736/772	736/772	736/772
Refrigerant/GWP			R410A/2088	R410A/2088	R410A/2088
Refrigerant charge		kg	20	20	20
Compressor type			Scroll	Scroll	Scroll
Tubing	Liquid pipe diameter	inches	3/4”	3/4”	3/4”
	Suction pipe diameter	inches	1”1/4	1”1/4	1”1/4
	Max. tube length	m	300	300	300
Max. height between indoor and oudoor units (ODU up/down)		m	50/40	50/40	50/40
Max. height between indoor units		m	15	15	15
Environment temperature range	Cooling	°C	-5°/43° Dry bulb		
	Heating	°C	-15°/21° Dry bulb		
Maximum indoor units connectable		quantity	46	50	53

FLOWLOGIC II HR
3-PIPES - TOP DISCHARGE

TECHNICAL DATA FOR **THREE COMBINATIONS**

Indoor unit			YCV960HR-H13	YCV1010HR-H13	YCV1080HR-H13	YCV1180HR-H13
Phase			Three phase	Three phase	Three phase	Three phase
Combinations part number			YCV280HR / 7SP14H016 YCV280HR / 7SP14H016 YCV400HR / 7SP14H017	YCV280HR / 7SP14H016 YCV280HR / 7SP14H016 YCV450HR / 7SP14H018	YCV280HR / 7SP14H016 YCV400HR / 7SP14H017 YCV400HR / 7SP14H017	YCV280HR / 7SP14H016 YCV400HR / 7SP14H017 YCV450HR / 7SP14H018
						
RATED POWER						
Capacity range		HP	34	36	38	40
Cooling		kW	96	101	108	113
Heating		kW	108	113	121.50	126.5
ELECTRICAL PARAMETERS						
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N			
Cooling	Rated power input	kW	27.4	29.2	32.15	33.95
	EER		3.50	3.46	3.36	3.33
	Rated current	A	44.76	47.71	52.53	55.47
Heating	Rated power input	kW	27.04	29.44	30.17	32.57
	COP		3.99	3.84	4.03	3.88
	Rated current	A	44.18	48.10	49.29	53.21
Power input max.		kW	47.95	49.88	51.8	53.73
Current max.		A	76.3	79.17	82.4	85.27
PERFORMANCE						
Airflow		m^3/h	39300	36300	39300	39300
Sound pressure level to 1 m		dB(A)	63	63	63	63
INSTALLATION						
Dimensions (WxHxD)		mm	990x1808x750*2 + 1390x1808x750	(990x1808x750)*2 + (1390x1808x750)	990x1808x750 + 1390x1808x750 + 1390x1808x750	(990x1808x750) + (1390x1808x750) + (1390x1808x750)
Package dimensions (WxHxD)			1090x1990x860*2 + 1490x1990x860	(1090x1990x860)*2 + (1490x1990x860)	1090x1990x860 + 1490x1990x860 + 1490x1990x860	(1090x1990x860) + (1490x1990x860) + (1490x1990x860)
Net weight/Gross weight		kg	848/896	848/896	976/1027	976/1027
Refrigerant/GWP			R410A/2088	R410A/2088	R410A/2088	R410A/2088
Refrigerant charge		kg	30	30	30	30
Compressor type			Scroll	Scroll	Scroll	Scroll
Tubing	Liquid pipe diameter	inches	3/4”	3/4”	3/4”	3/4”
	Suction pipe diameter	inches	1”1/4	1”1/4	1”1/4	1”1/4
	Max. tube length	m	300	300	300	300
Max. height between indoor and oudoor units (ODU up/down)		m	50/40	50/40	50/40	50/40
Max. height between indoor units		m	15	15	15	15
Environment temperature range	Cooling	°C	-5°/43° Dry bulb			
	Heating	°C	-15°/21° Dry bulb			
Maximum indoor units connectable		quantity	56	59	63	64

TECHNICAL DATA FOR **THREE COMBINATIONS**

Indoor unit			YCV1180HR-H13	YCV1235HR-H13	YCV1300HR-H13	YCV1350HR-H13
Phase			Three phase	Three phase	Three phase	Three phase
Combinations part number			YCV280HR / 7SP14H016 YCV450HR / 7SP14H018 YCV450HR / 7SP14H018	YCV335HR / 7SP14H019 YCV450HR / 7SP14H018 YCV450HR / 7SP14H018	YCV400HR / 7SP14H017 YCV450HR / 7SP14H018 YCV450HR / 7SP14H018	YCV450HR / 7SP14H018 YCV450HR / 7SP14H018 YCV450HR / 7SP14H018
						
RATED POWER						
Capacity range		HP	42	44	46	48
Cooling		kW	118	123.5	130	135
Heating		kW	131.5	137.5	145	150
ELECTRICAL PARAMETERS						
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N			
Cooling	Rated power input	kW	35.75	37.38	40.5	42.3
	EER		3.30	3.30	3.21	3.19
	Rated current	A	58.41	61.07	66.17	69.11
Heating	Rated power input	kW	34.97	36.15	38.1	40.5
	COP		3.76	3.80	3.81	3.70
	Rated current	A	57.13	59.06	62.25	66.17
Power input max.		kW	55.66	58.5	59.51	61.44
Current max.		A	88.14	92.64	94.24	97.11
PERFORMANCE						
Airflow		m³/h	39300	42300	42300	42300
Sound pressure level to 1 m		dB(A)	63	64	64	64
INSTALLATION						
Dimensions (WxHxD)		mm	(990x1808x750) + (1390x1808x750)*2	(1390x1808x750) + (1390x1808x750)*2	(1390x1808x750) + (1390x1808x750)*2	(1390x1808x750)*3
Package dimensions (WxHxD)			(1090x1990x860) + (1490x1990x860)*2	(1490x1990x860) + (1490x1990x860)*2	(1490x1990x860) + (1490x1990x860)*2	(1490x1990x860)*3
Net weight/Gross weight		kg	976/1027	1104/1158	1104/1158	1104/1158
Refrigerant/GWP			R410A/2088	R410A/2088	R410A/2088	R410A/2088
Refrigerant charge		kg	30	30	30	30
Compressor type			Scroll	Scroll	Scroll	Scroll
Tubing	Liquid pipe diameter	inches	3/4”	3/4”	3/4”	3/4”
	Suction pipe diameter	inches	1”1/4	1”1/4	1”1/4	1”1/4
	Max. tube length	m	300	300	300	300
Max. height between indoor and oudoor units (ODU up/down)		m	50/40	50/40	50/40	50/40
Max. height between indoor units		m	15	15	15	15
Environment temperature range	Cooling	°C	-5°/43° Dry bulb			
	Heating	°C	-15°/21° Dry bulb			
Maximum indoor units connectable		quantity	64	64	64	64

WATER FLOWLOGIC
WATER CONDENSING VRF





PRODUCTS

- COP can reach 6.02.
- Compact design.
- Quiet solution.
- Double coil heat exchanger.

FEATURES

TECHNOLOGY:

R410A FLUID

DC INVERTER

→ Capacity range from 8 to 36 HP.
→ Designed for all commercial uses.
→ Inlet water temperature range: from 7 to 45°C.
→ Stacked installation.
→ Constant EER and COP: no influence from outdoor temperature.
→ DC Inverter compressor.

WATER FLOWLOGIC TECHNICAL DATA

			Drop only	Drop only	Drop only
Outdoor unit			**YWC220-H13**	**YWC280-H13**	**YWC335-H13**
Part number			**7SP14H038**	**7SP14H039**	**7SP14H040**
POWERS					
Capacity range		HP	8	10	12
Cooling capacity		kW	22.4	28	33.5
Heating capacity		kW	25	31.5	37.5
ELECTRICAL PARAMETERS					
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
PERFORMANCE					
Water flow (HS)		m^3/h	4.8	6	7.2
Sound pressure level (HS)		dB(A)	50	51	53
Sound power level (HS)		dB(A)	61	62	64
INSTALLATION					
External dimensions (WxDxH)		mm	775x545x995	775x545x995	775x545x995
Shipping dimensions (WxDxH)		mm	875x655x1182	875x655x1182	875x655x1182
Net/Shipping weight		kg	172/183	172/183	172/183
Compressor type			Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter
Refrigerant/GWP			R410A/2088	R410A/2088	R410A/2088
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 oudoor units (ODU up/down)		m	50/40	50/40	50/40
WATER SIDE					
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°
CONNECTION RATIO					
Connectable indoor unit ratio		%	50-130	50-130	50-130
Maximum number of indoor units		unit	13	16	19

* All the specifications are tested under nominal condition (in cooling, indoor temp. is 27°C DB/19°C WB; outdoor temp 35°C DB/24WB; in heating, indoor temp. is 20°C DB, in heating, outdoor temp. is 7°C DB/6°CWB).

HBV
HIGH WALL





→ EEV inside: for an easier installation.
→ High-quality DC fan motor: reduce the indoor unit noise greatly.
→ Fashion design.
→ Infrared remote controller included.

PRODUCTS

- Quiet.
- 3D and long distance air supply.
- Hidden screen.
- Two sides drain.



RCV02
(included)



RWV05
(optional)



RWV03
(optional)



RWV07
(optional)

FEATURES

TECHNOLOGY:

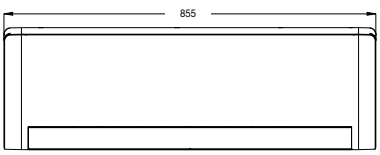
R410A FLUID

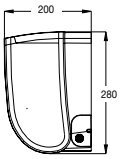
ELECTRONIC EXPANSION VALVE

HBV TECHNICAL DATA

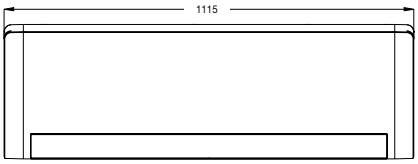
Indoor unit		AWSI-HBV007-N11	AWSI-HBV009-N11	AWSI-HBV012-N11	Drop only AWSI-HBV016-N11	AWSI-HBV018-N11	AWSI-HBV024-N11	Drop only AWSI-HBV030-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP02H012	7SP02H013	7SP02H014	7SP02H017	7SP02H015	7SP02H016	7SP02H018
RATED POWER								
Cooling	kBtu/h	7.5	9.5	12.3	15.3	19.1	24.2	30.7
	kW	2.2	2.8	3.6	4.5	5.6	7.1	9
Heating	kBtu/h	8.5	10.9	13.6	17.1	21.5	27.3	34.1
	kW	2.5	3.2	4	5	6.3	8	10
ELECTRICAL PARAMETERS								
Phase/Voltage/Frequency		1P/220-230V/50Hz						
PERFORMANCE								
Airflow	m³/h	600	600	600	800/720/650	800	1000	1600/1500/1400
Noise level (LS/MS/HS)	dB(A)	29/31/35	29/31/36	29/33/37	39/36/34	35/39/40	36/40/44	49/44/41
INSTALLATION								
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"

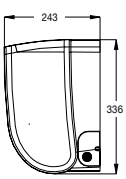
Dimensions: 007-009-012 models





Dimensions: 018-024-030 models





CBV
CASSETTE 600X600



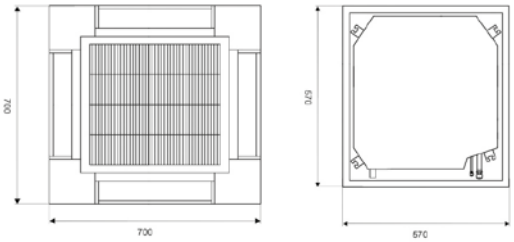


- Easy installation in false ceiling.
- Super quiet due to special fan design.
- Built-in high head pump (height up to 600 mm).
- Possible connection to a ventilation network due to a fresh air inlet (10-15% max).
- Dry contact: hotel/bungalow solutions (room card or on/off contact).

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	7SP04H000	7SP04H001	7SP04H002	7SP04H003
RATED POWER						
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
ELECTRICAL PARAMETERS						
Phase/Voltage/Frequency		1P/220-230V/50Hz				
PERFORMANCE						
Airflow	m³/h	650	700	700	700	700
Noise level (LS/MS/HS)	dB(A)	28/29/31	29/30/32	29/30/32	29/30/32	29/30/33
INSTALLATION						
External dimensions (WxHxD)	mm	570x570x260	570x570x260	570x570x260	570x570x260	570x570x260
Shipping dimensions (WxHxD)	mm	718x680x380	718x680x380	718x680x380	718x680x380	718x680x380
Net weight/Gross weight	kg	17/21	17/21	19/21	19/21	19/21
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"
FRAME						
Frame part number		7ACVFH001	7ACVFH001	7ACVFH001	7ACVFH001	7ACVFH001
External dimensions (WxHxD)	mm	700x700x60	700x700x60	700x700x60	700x700x60	700x700x60
Shipping dimensions (WxHxD)	mm	740x750x115	740x750x115	740x750x115	740x750x115	740x750x115
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

Dimensions:



PRODUCTS

- Quiet operation.
- Built-in high head drain pump.
- Fresh air inlet.
- Wired controller RWV05 included.
- EEV inside.
- Automatic swing.



RWV05 (included)



RCV02 (optional)



RWV03 (optional)



RWV07 (optional)

FEATURES

TECHNOLOGY:

R410A FLUID

ELECTRONIC EXPANSION VALVE

VRF

CCV
CASSETTE 900x900





- Easy installation in false ceiling.
- Possible connection to a ventilation network due to a fresh air inlet (10-15% max).
- Built-in high head pump (height up to 600 mm).
- Better comfort due to its high airflow.
- Dry contact: hotel/bungalow solutions (room card or on/off contact).

PRODUCTS

- Compact design.
- Advance structure facilitating cleaning and installation.
- Fresh air inlet.
- EEV inside.
- Wired controller RWV05 included.
- Automatic swing.
- IR receipt included.



RWV05
(included)



RCV02
(optional)



RWV03
(optional)



RWV07
(optional)

FEATURES

TECHNOLOGY:

R410A FLUID

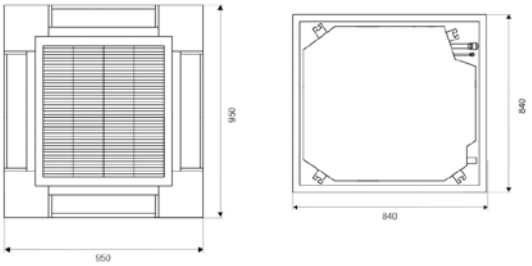
ELECTRONIC EXPANSION VALVE

CCV TECHNICAL DATA

Indoor unit		AWSI-CCV018-N11	AWSI-CCV024-N11	AWSI-CCV030-N11	AWSI-CCV048-N11
Phase		Single phase	Single phase	Single phase	Single phase
Part number		7SP04H004	7SP04H005	7SP04H007	7SP04H009
RATED POWER					
Cooling	kBtu/h	19.1	24.2	30.7	47.7
	kW	5.6	7.1	9	14
Heating	kBtu/h	21.5	27.3	34.1	54.6
	kW	6.3	8	10	16
ELECTRICAL PARAMETERS					
Phase/Voltage/Frequency		1P/220-230V/50Hz			
PERFORMANCE					
Airflow	m³/h	1200	1200	1800	1800
Noise level (LS/MS/HS)	dB(A)	30/32/34	31/35/34	31/35/37	35/39/42
INSTALLATION					
External dimensions (WxHxD)	mm	840x840x240	840x840x240	840x840x295	840x840x295
Shipping dimensions (WxHxD)	mm	930x930x330	930x930x330	930x930x390	930x930x390
Net weight/Gross weight	kg	30/36	30/36	38/40	38/40
Liquid pipe diameter	inches	1/4"	3/8"	3/8"	3/8"
Suction pipe diameter	inches	1/2"	5/8"	5/8"	5/8"
FRAME					
Frame part number		7ACVFH002	7ACVFH002	7ACVFH002	7ACVFH002
External dimensions (WxHxD)	mm	950x950x80	950x950x80	950x950x80	950x950x80
Shipping dimensions (WxHxD)	mm	985x985x115	985x985x115	985x985x115	985x985x115
Net weight/Gross weight	kg	6/9	6/9	6/9	6/9

Be replaced by new CFV model.

Dimensions: 018-024-030-048 models



CFV
360° CASSETTE

Airwell
Just feel well





- → Ideal for slim false ceiling.
- → Round way airflow.
- → Possible connection to a ventilation network due to a fresh air inlet (10-15% max).
- → Built-in high head pump (height up to 600 mm).
- → Better comfort due to its high airflow.
- → Dry contact: hotel/bungalow solutions (room card or on/off contact).

CFV TECHNICAL DATA

Drop only

Indoor unit		AWSI-CFV018-N11	AWSI-CFV024-N11	AWSI-CFV030-N11	AWSI-CFV048-N11	AWSI-CFV060-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP04H028	7SP04H029	7SP04H030	7SP04H032	7SP04H010
RATED POWER						
Cooling	kBtu/h	19.1	24.2	30.7	47.7	54.6
	kW	5.6	7.1	9	14	16
Heating	kBtu/h	21.5	27.3	34.1	54.6	61.2
	kW	6.3	8	10	16	18
ELECTRICAL PARAMETERS						
Phase/Voltage/Frequency		1P/220-230V/50Hz				
PERFORMANCE						
Airflow (LS/MS/HS)	m³/h	620/810/1000	1000/1190/1380	1660/1670/2050	1720/1910/2100	1720/1910/2100
Noise level (LS/MS/HS)	dB(A)	29/30/33	31/34/35	31/35/37	36/40/44	36/40/44
INSTALLATION						
External dimensions (WxHxD)	mm	840x183x840	840x204x840	840x246x840	840x288x840	840x288x840
Shipping dimensions (WxHxD)	mm	983x268x983	983x290x983	983x331x983	983x373x983	983x373x983
Net weight/Gross weight	kg	28/31	29/32	34/37	35/38	35/38
Liquid pipe diameter	inches	1/4"	3/8"	3/8"	3/8"	3/8"
Suction pipe diameter	inches	1/2"	5/8"	5/8"	5/8"	5/8"
FRAME						
Frame part number		7ACVFH003	7ACVFH003	7ACVFH003	7ACVFH003	7ACVFH003
External dimensions (WxHxD)	mm	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950
Shipping dimensions (WxHxD)	mm	1013x1025x123	1013x1025x123	1013x1025x123	1013x1025x123	1013x1025x123
Net weight/Gross weight	kg	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9

NEW

+ PRODUCTS

- Compact design.
- Fresh air inlet.
- EEV inside.
- Wired controller RWV05 included.



RWV05 (included)



RCV02 (optional)



RWV03 (optional)



RWV07 (optional)

FEATURES

TECHNOLOGY:

R410A FLUID

ELECTRONIC EXPANSION VALVE

4D AIRFLOW

VRF

FAV
FLOOR CEILING





→ Precise control of the airflow *via* wide angle louvers.
→ Floor & ceiling installation.
→ Long distance air throw.
→ Dry contact: hotel/bungalow solutions (room card or on/off contact).

✚ PRODUCTS

- Ultra-thin unit body, only thick 199 mm.
- Wide-angle airflow.
- Quiet running.
- EEV inside.
- Wired controller RWV05 included.
- Automatic swing.



RWV05
(included)



RCV02
(optional)



RWV03
(optional)



RWV07
(optional)

FEATURES

TECHNOLOGY:

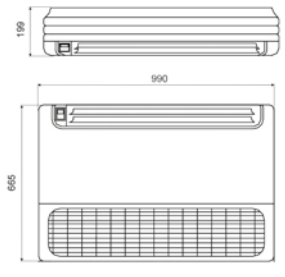
R410A FLUID

ELECTRONIC EXPANSION VALVE

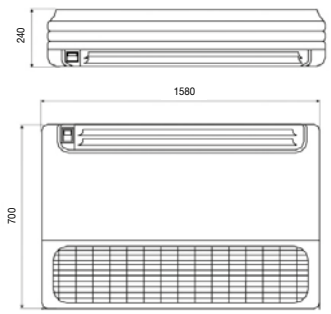
FAV TECHNICAL DATA

		Drop only				Drop only			
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**	**7SP02H008**	**7SP02H010**	**7SP02H011**	**7SP01H000**	**7SP01H001**	**7SP01H002**	**7SP01H003**
RATED POWER									
Cooling	kBtu/h	9.5	12.3	19.1	24.2	27.3	30.7	38.2	48
	kW	**2.8**	**3.6**	**5.6**	**7.1**	**8**	**9**	**11.2**	**14**
Heating	kBtu/h	10.9	13.6	21.5	27.3	30.7	34.1	42.6	55
	kW	**3.2**	**4.0**	**6.3**	**8.0**	**9**	**10**	**12.5**	**16**
ELECTRICAL PARAMETERS									
Phase/Voltage/Frequency		1P/220-230V/50Hz							
PERFORMANCE									
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
Sound pressure level (LS/MS/HS)		46/48/51	46/48/51	48/50/53	48/50/53	51/53/56	51/53/56	51/55/59	51/55/59
INSTALLATION									
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"

Dimensions: 012 to 024 models



Dimensions: 28 to 48 models



DDV
DUCTED LOW STATIC PRESSURE

Airwell
Just feel well





- Super slim design: 185 mm.
- Reserved fresh air inlet.
- Build-in high head drain pump.
- Friendly design of rear or bottom air return.
- Quiet operation.
- Static pressure: 0-30 Pa.

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		7SP03H025	7SP03H026	7SP03H027	7SP03H028
RATED POWERS					
Cooling	kBtu/h	7.5	9.5	12.3	15.3
	kW	2.2	2.8	3.6	4.5
Heating	kBtu/h	8.5	10.9	13.6	17.1
	kW	2.5	3.2	4	5
ELECTRICAL PARAMETERS					
Power supply	Ph/V/Hz	1P/220-230V/50-60Hz			
PERFORMANCE					
Airflow (LS/MS/HS)	m³/h	480/420/360	480/420/360	550/430/370	600/540/460
Noise level (LS/MS/HS)	dB(A)	27/24/21	27/24/21	30/28/25	33/30/27
Sound power level (LS/MS/HS)	dB(A)	41/38/35	41/38/35	44/42/39	47/44/41
INSTALLATION					
External dimensions (WxHxD)	mm	850x420x185	850x420x185	850x420x185	850x420x185
Shipping dimensions (WxHxD)	mm	1045x540x270	1045x540x270	1045x540x270	1045x540x270
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		7ACVFH0587	7ACVFH0587	7ACVFH0587	7ACVFH0587

N NEW

+ PRODUCTS

- Wired controller RWV05 included.
- Wide range.
- Quiet solution.



RWV05 (included)



RCV02 (optional)



RWV03 (optional)



RWV07 (optional)

FEATURES

TECHNOLOGY:

R410A FLUID

DÉTENDEUR ÉLECTRONIQUE

VRF

DBV DUCTED MEDIUM STATIC PRESSURE





UPGRADE

PRODUCTS

- Flexible static pressure selection, meeting the customers' personal requests.
- High efficiency filter.
- Water pump integrated.
- EEV inside.
- Wired controller RWV05 included.



RWV05 (included)



RCV02 (optional)



(REC01 infrared receiver to combined with RCV02)



RWV03 (optional)



RWV07 (optional)

FEATURES

TECHNOLOGY:

R410A FLUID

ELECTRONIC EXPANSION VALVE

INSTALLER FUNCTIONS:

INTEGRATED WATER PUMP

- → Invisible solution.
- → Two choices of static pressure: better fitting with aeraulic network.
- → Built-in high head pump (height up to 700 mm).
- → Plenum for air outlet provided: 3xØ200 sizes 018 and 028, 4xØ200 size 038.
- → Dry contact: hotel/bungalow solutions (room card or on/off contact).

DBV TECHNICAL DATA

					Drop only		Drop only
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**	**7SP03H036**	**7SP03H037**	**7SP03H038**	**7SP03H039**	**7SP03H040**
RATED POWER							
Cooling	kBtu/h	19.1	24.2	27.3	30.7	38.2	47.8
	kW	**5.6**	**7.1**	**8**	**9**	**11.2**	**14**
Heating	kBtu/h	21.5	27.3	30.7	34.1	44.3	55.6
	kW	**6.3**	**8**	**9**	**10**	**13**	**16.3**
ELECTRICAL PARAMETERS							
Phase/Voltage/Frequency		1P/230V/50Hz					
PERFORMANCE							
Airflow (LS/MS/HS)	m³/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
INSTALLATION							
External dimensions (WxHxD)	mm	1050x720x250	1050x720x250	1050x720x250	1100x700x248	1500x700x248	1500x700x248
Shipping dimensions (WxHxD)	mm	1170x860x340	1170x860x340	1170x860x340	1332x835x280	1698x857x305	1698x857x305
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

DCV
DUCTED HIGH STATIC PRESSURE

Airwell
Just feel well



DCV 048



DCV 072-096



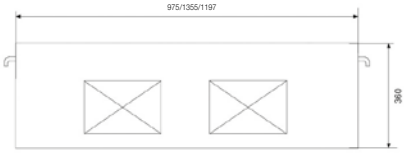
- → Invisible solution.
- → Static pressure up to 196 Pa.
- → Commercial application: high airflow and capacity up to 28 kW.
- → Compatible with a textile duct application.



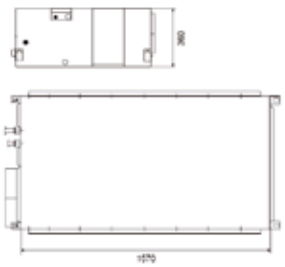
DCV TECHNICAL DATA

		Drop only						
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**	**7SP03H016**	**7SP03H017**	**7SP03H018**	**7SP03H019**	**7SP03H020**
RATED POWER								
Cooling	kBtu/h	19.1	24.2	30.7	38.2	47.7	77.1	95.5
	kW	**5.6**	**7.1**	**9**	**11.2**	**14**	**22.6**	**28**
Heating	kBtu/h	21.5	27.3	34.1	42.6	54.6	85.3	108.5
	kW	**6.3**	**8**	**10**	**12.5**	**16**	**25**	**31.5**
ELECTRICAL PARAMETERS								
Phase/Voltage/Frequency		1P/220-230V/50Hz						
PERFORMANCE								
Airflow (LS/MS/HS)	m³/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
INSTALLATION								
External dimensions (WxHxD)	mm	975x906x360	975x906x360	1355x876x360	1355x876x360	1197x360x830	1570x360x880	1570x360x880
Shipping dimensions (WxHxD)	mm	1048x943x413	1048x943x413	1378x938x405	1378x938x405	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"
Static pressure	Pa	100/196	100/196	100/196	100/196	196	196	196

Dimensions: 018-024/030-038/048 models



Dimensions: 072-096 models



PRODUCTS

- High efficiency filter.
- Free setting of air discharge duct.
- Water pump integrated.
- High external static pressure design.



RWV05 (included)



RCV02 (optional)



RWV03 (optional)



RWV07 (optional)

FEATURES

TECHNOLOGY:

R410A FLUID

ELECTRONIC EXPANSION VALVE

INSTALLER FUNCTIONS:

INTEGRATED WATER PUMP

VRF

EAV
CONSOLE





- → Esthetic and compact design: 210 mm.
- → Ideal solution to replace electric heaters.
- → Blowing up and down.
- → Dry contact: hotel/bungalow solutions (room card or on/off contact).
- → 5 speed airflow.

PRODUCTS

- High efficiency filter.
- Quiet running.
- Compact unit body and space saving.
- EEV inside.
- Wireless controller included.



RCV02
(included)



RWV05
(optional)



RWV07
(optional)

FEATURES

TECHNOLOGY:

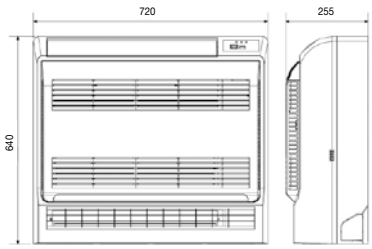
R410A FLUID

ELECTRONIC EXPANSION VALVE

EAV TECHNICAL DATA

Indoor unit		AW-EAV009-N11	AW-EAV012-N11	AW-EAV018-N11
Phase		Single phase	Single phase	Single phase
Part number		7SP05H005	7SP05H006	7SP05H007
RATED POWER				
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**
ELECTRICAL PARAMETERS				
Phase/Voltage/Frequency		1P/230V/50Hz		
PERFORMANCE				
Airflow (VL/LS/MS/HS/VH)	m³/h	45/48/52/55/58	47/51/54/57/60	48/52/55/58/61
Noise level (VL/LS/MS/HS/VH)	dB(A)	540/460/390/310/270	580/500/420/350/270	620/540/460/390/270
INSTALLATION				
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"

Dimensions: 009-018 models



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 m³/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

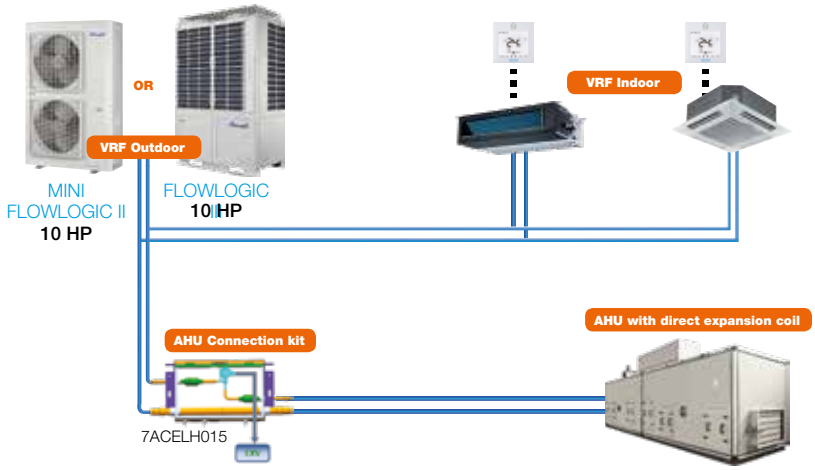


Shopping centres



Hospitals

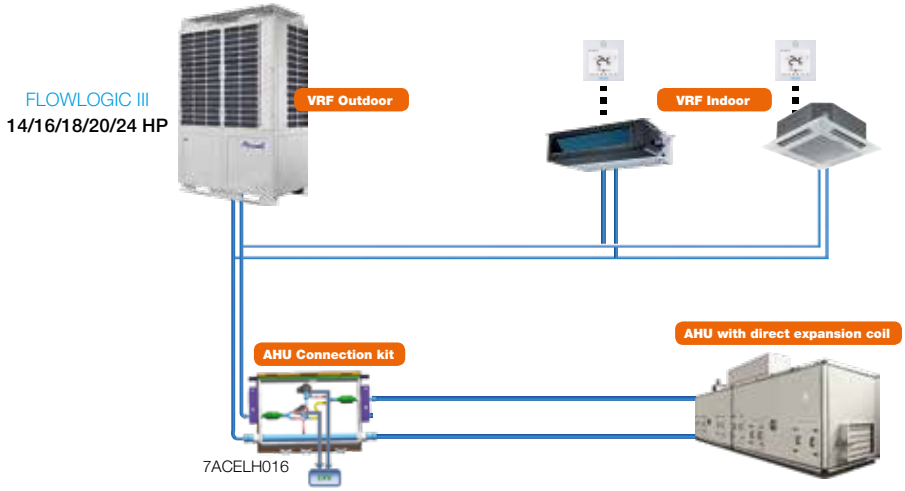
CONFIGURATION BETWEEN 14 AND 28 KW



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)

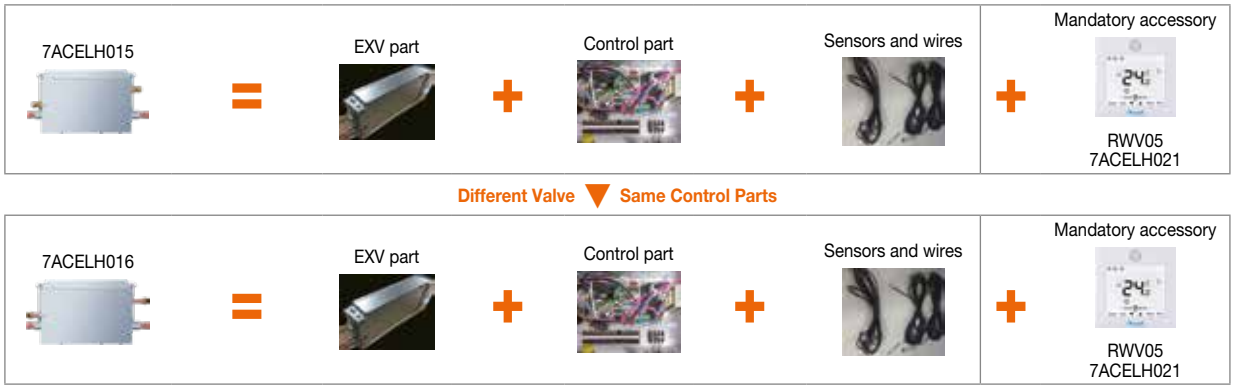
AHU and direct expansion coil to be purchased through other supplier

VRF OUTDOOR LINE UP

Outdoor unit	MINI FLOWLOGIC II	FLOWLOGIC III	
Model	All range	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	**7ACELH015**		**7ACELH016**
	5 HP (14 kW) < Connected AHU capacity ≤ 10 HP (28 kW)		10 HP (28 kW) < Connected AHU capacity ≤ 20 HP (56 kW)

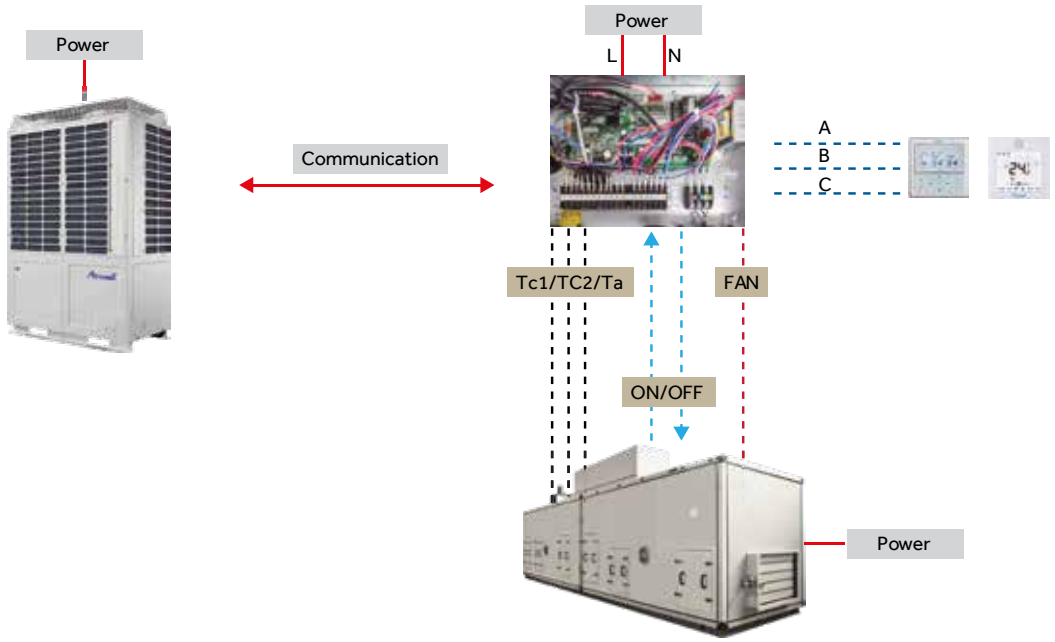
AHU KIT CONFIGURATION

Airwell AHU connection kit consists in the following 4 parts:



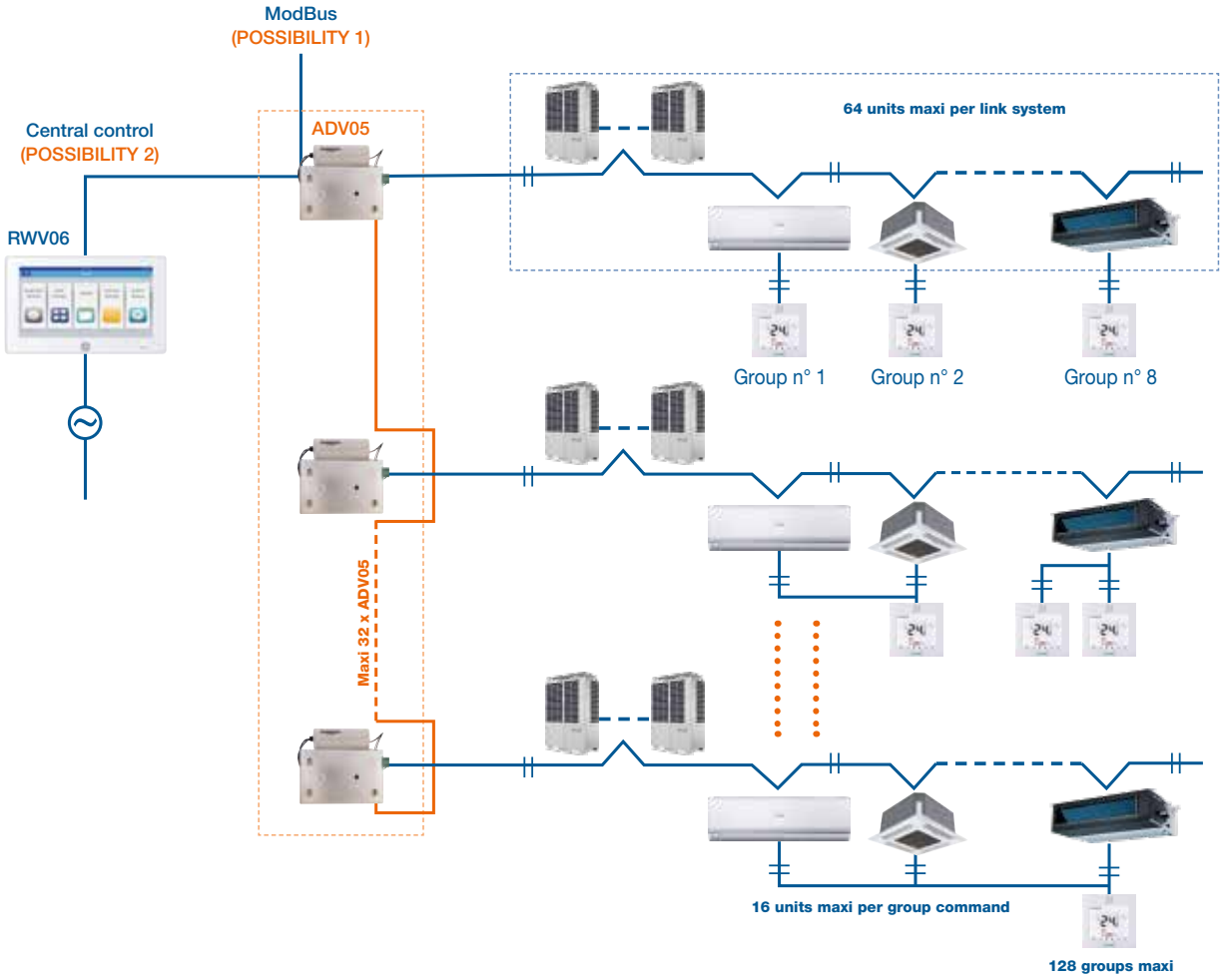
- EXV part, control part, sensor and wire are all integrated in one box.
- Controller need to be purchased separately.
- Temperature control *via* outlet air sensor on AHU.

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
- → Can monitors until 256 indoor units and 128 groups

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

	ACCESSORY NAME	Photo	Part number	Model
CONTROLLERS	INFRARED CONTROLLER		7ACELH022	RCV02
	INFRARED CONTROLLER RECEIVER		7ACELH009	REC01
	SIMPLIFIED CONTROLLER		7ACELH008	RWV03
	WIRED STANDARD CONTROLLER		7ACELH021	RWV05
	WIRED CONTROL WEEKLY TIMER		7ACELH024	RWV07
	MINI CENTRAL CONTROLLER		7ACELH025	RWV08
	CENTRAL CONTROLLER “TOUCH SCREEN”		7ACELH023	RWV06
BMS SOLUTIONS & MAINTENANCE	CENTRAL CONTROLLER GATEWAY AND MODBUS/RTU		7ACELH027	ADV05
	MAINTENANCE TOOL		7ACELH014	TD02

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 FlowLogic II HR	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 FlowLogic II HR	ADV05 mandatory.
RWV06 and RWV08 adaptor and ModBus RTU gateway.	Mini FlowLogic II FlowLogic III FlowLogic II HR	-
Working parameters monitoring and recording tool.	Mini FlowLogic II FlowLogic III FlowLogic II HR	-

RANGE		INFRARED REMOTE CONTROL			WIRED REMOTE					
		RC08C	RC09	RCV02	RCW2	RCW6	RCW8	RCW11	RCW20	
		7ACEL1740	7ACEL1758	7ACELH022	7ACEL1212	7ACEL1704	7ACEL1706	7ACEL1774	7ACEL1775 + 7ACEL1776	
										
HIGH WALL	HDH	●								
	HKD R32/ R410A	●					●			
DUCTED	DLSE				●					
	DDM	●						●	●	
CASSETTE	CDM	●						●	●	
FLOOR CEILING	XDM	●					●			
	FDM	●						●	●	
	FWDB					●				
MONOBLOC	MFH	●								
	SDM		●							
VRF	HBV			●						
	CBV			●						
	CCV									
	CFV			●						
	FAV			●						
	DDV			●						
	DBV			●						
	DCV			●						
	EAV			●						

	WIRED REMOTE								WIFI SOLUTION
	RCW21	RCW22	RWV03	RWV05	RWV06	RWV07	RWV08	BMS Gateway	Air Net
	7ACEL1777	7ACEL1778	7ACELH008	7ACELH021	7ACELH023	7ACELH024	7ACELH025	7ACEL1708	-
		●							
									● 7ACEL1744
	●							●	
	●							●	
	●							●	
								●	
			●	●	●	●	●		
			●	●	●	●	●		
			●	●	●	●	●		
			●	●	●	●	●		
			●	●	●	●	●		
			●	●	●	●	●		
			●	●	●	●	●		
			●	●	●	●	●		
				●	●	●	●		

● Controller as standard ● Optional controller

RESIDENTIAL

FUNCTION		INFRARED REMOTE CONTROL		WIRED REMOTE			
		RC08C	RC09	RCW2	RCW6	RCW8	RCW16
		7ACEL1740	7ACEL1758	7ACEL1212	7ACEL1704	7ACEL1706	7ACEL1707
							
CUSTOMER	On/Off timer	●	●	●	●	●	●
	Weekly timer			●	●		
	Silent mode/ low speed fan	●	●	●	●	●	●
	“I Feel” function	●	●		●		
	Clean-up function	●	●				
	Night mode (economy mode)	●	●	●		●	
	Remote locking	●		●	●	●	
	Turbo mode	●	●				
	“Follow me” mode (presence sensor)						
	Low battery	●	●				
	No frost mode	●					
INSTALLER	Test mode	●					
	Group control			●			●
	Temperature compensation	●					
	Heating only mode	●					
	Priority mode definition (multisplit)	●					
	Parameter display (temperature, off pressure opening, compressor...)	●					
	Defaults, failures display			●			

VRF

FUNCTION		INFRARED REMOTE CONTROL	WIRED REMOTE					
		RCV02	RWV05	RWV07	RWV03	RWV06	RWV08	TD02
		7ACELH022	7ACELH021	7ACELH024	7ACELH008	7ACELH023	7ACELH025	7ACELH014
								
CUSTOMER	On/Off timer	●	●	●	●	●	●	
	Weekly timer			●		●	●	
	Silent mode/ low speed fan		●	●	●	●	●	
	“I Feel” function						●	
	Clean-up function		●	●	●		●	
	Night mode (economy mode)		●	●			●	
	Remote locking		●	●		●		
	Turbo mode			●				
	“Follow me” mode (presence sensor)			●				
	Low battery	●	●	●	●	●	●	
INSTALLER	Supervision							●
	Group control		●	●	●	●	●	
	Centralized control					●	●	
	Heating only mode		●	●				
	Defaults, failures display	●	●	●	●	●	●	

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”1/8
31.75	1”1/4
38.10	1”1/2

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

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^3/kg
1 US gallon/pound	8.3 dm^3/kg

Density	
1 pound/cu.ft	0.016 kg/dm^3

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^2)	6.4516 cm^2	
1 square foot (ft^2)	0.0929 m^2	
1 square yard (yd^2)	0.8361 m^2	
1 square meter (m^2)	1550 in^2	10.76391 ft^2

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)

SIZING THE AIR CONDITIONING

STEP 1: EVALUATING THE NEEDS

In order to size properly your air conditioning installation, it's important to calculate the thermal needs of your habitation to calculate the power needed for your setup.

SIZING THE COOLING NEEDS BY OCCUPANCY RATIO

We use the following ratio to calculate the cooling power needed:

90 W/m² + 100 W/Occupant

The calculation is to be done room by room.

SIZING THE HEATING NEEDS BY THE G METHOD

The « G » is the volume loss coefficient of the building, matching the sum of the thermal loss through walls, windows, roofs... It's expressed in W/m³/°C. This coefficient is related to the building isolation.

Heat power (W) = G x V x ΔT

G = global loss coefficient (W/m³x°C):

- 0,65 W/°C m³ new construction
- 0,75 W/°C m³ construction after 2000
- 0,9 W/°C m³ constructions after 1980
- 1,2 W/°C m³ constructions moderately insulated
- 1,8 W/°C m³ constructions poorly insulated

V = building volume (m³)

ΔT = temperature différence between interior (19 or 20°C), and average exterior temperature in the region where is based the project.

STEP 2: EXTERIOR UNITS SELECTION

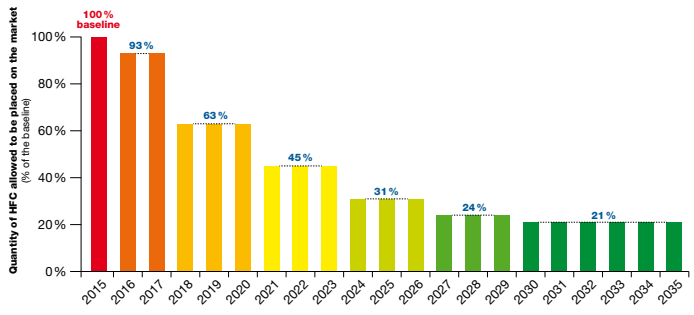
Dispatch the cooling and heating needs calculated before (*cf.* **Step 1**).

Calculate the global needs by zone, in order to determine outdoor unit capacity.

STEP 2: EXTERIOR UNIT SELECTION				
Zone	**Room**	**Cooling needed (kW)**	**Heating needed (kW)**	**Maximum number of interior units desired**
Zone 1	Room n°1			
	Room n°2			
	Room n°3			
	Room n°4			
	Room n°5			
	Room n°6			
	TOTAL			
Zone 2	Room n°1			
	Room n°2			
	Room n°3			
	Room n°4			
	Room n°5			
	Room n°6			
	TOTAL			
Zone 3	Room n°1			
	Room n°2			
	Room n°3			
	Room n°4			
	Room n°5			
	Room n°6			
	TOTAL			

FGAS
CERTIFICATION

Since January 2015, the regulation FGAS (EU 517/2014) is implemented.
Refrigerant fluid are man-made gases that can remain in the atmosphere for centuries and contribute to a global greenhouse effect. There are three types: hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) and sulphur hexafluoride (SF6).
The F-Gas regulation's goal initiated by the european commission is to reduce greenhouse gas emissions in the EU by 80-95 % compared to levels in 1990.



Total quantity of HFC allowed to the EU market		
	% of baseline	MT CO_2 eq
2015	100 %	182,9
2016	93 %	170,1
2017	93 %	170,1
2018	63 %	115,2
2019	63 %	115,2

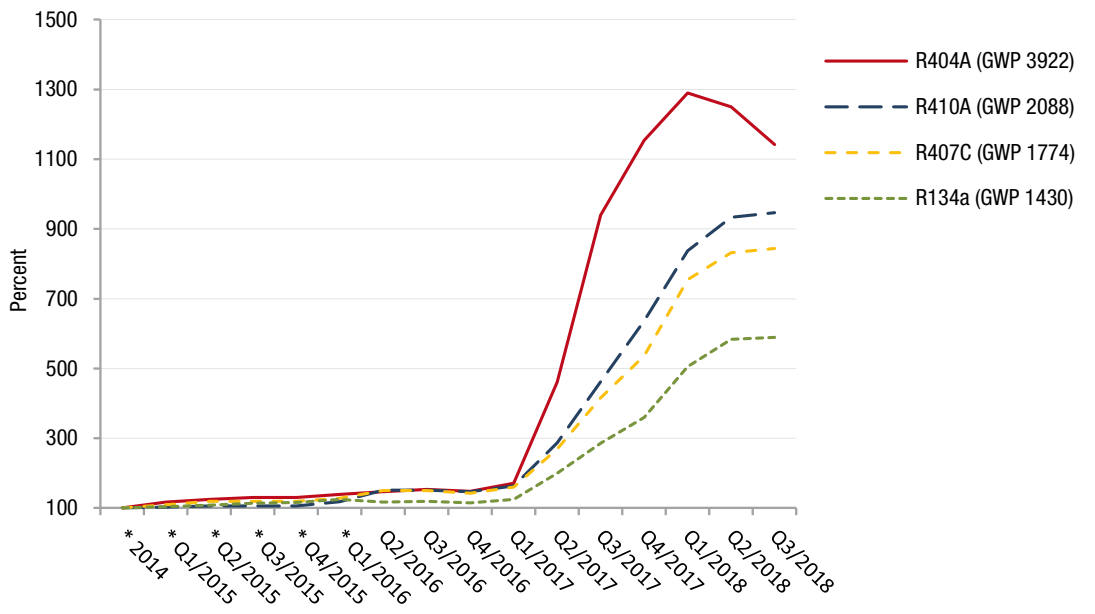
Allocation each year:
89 % incumbents
11 % new entrants (333 comp. in 2015)

Baseline: annual average of the total quantity of HFCs placed on the market into the European Union **from 2009 to 2012 (quantities being expressed in CO_2 eq).**

GWP COMPARISON BETWEEN COMMON FLUID

Refrigerant fluid	R404A	R410A	R407C	R134a	R32	R290
GWP (Global Warning Potential)	3920	2088	1774	1430	675	3

EVOLUTION OF THE REFRIGERANT FLUID PRICES



* Data recorded within a previous price monitoring project

CLASSIFICATION OF PRODUCTS

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

1. UNDERSTANDING PRODUCT REFERENCE

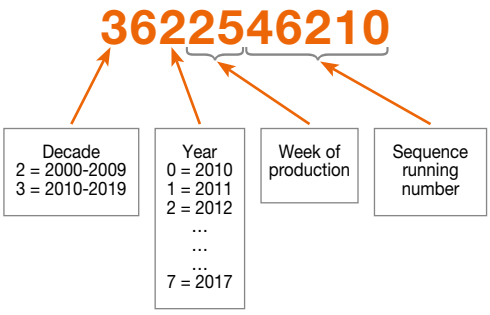
Brand		Type		Type		Technology		Capacity			Mode		Refrigerant fluid		Power supply	
									BTU	kW						
AW	AIRWELL	Y	Air outdoor unit	H	High wall	D	Inverter DC	007	7000	2,2	C	Cooling only	1	R410A	1	230-1-50
		None	Indoor unit	F	Floor ceiling	F	Fixed speed	009	9000	2,5	H	Heat pump reversible	2	R407C	2	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	01	Split (2 units minimum)	01	Floor ceiling / Colonne / Window (indoor unit)
		02	Industrial	02	High wall / Portable (indoor unit)
		03	Water console	03	Ducted (indoor unit)
		04	Portable unit	04	Cassette (indoor unit)
		05	Heat pump	05	Industrial ducted (indoor unit)
		06	Window	06	Monosplit condensing source (outdoor unit)
		07	Chiller unit	07	Dual flow console (indoor unit)
				09	Multisplit condensing source (outdoor unit)
				10	Water source (outdoor unit)
				11	Industrial ducted (outdoor unit)
				12	Vertical cabinet (indoor unit)
				13	Vertical cabinet (outdoor unit)
				14	VRF (outdoor unit)

3. UNDERSTANDING SERIAL NUMBER

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



STANDARD OPTION

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 coolant 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 FINS 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 Air Net application.



REDUNDANCY FUNCTION

Product compatible with Airwell redondancy solution.



CONNECTIVITY

System data available on a website (cloud).

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 condensate for a simple and smooth use.



LEFT/RIGHT DRAIN CONNECTION

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



ALARM OUTPUT

Remote transmission of dysfunction errors.



UNIT ON OUTPUT

Displays on the remote the power on or power off status of the unit.



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.

AIR CONDITIONING & HEATING

Our after-sales service

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