Airwell

Just feel well

2018/2019
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**

SERVICE APRÈS-VENTE

tel ■ **+33 (0)1 76 21 82 95**
From Monday to Friday, from 8 am to 12:30 pm and from 2 to 5pm
■ **Parts orders: sales@adhoc-pro.com**
■ **Technical support: technical-spfr@airwell-res.com**

Consumers

INTERNET WEBSITE

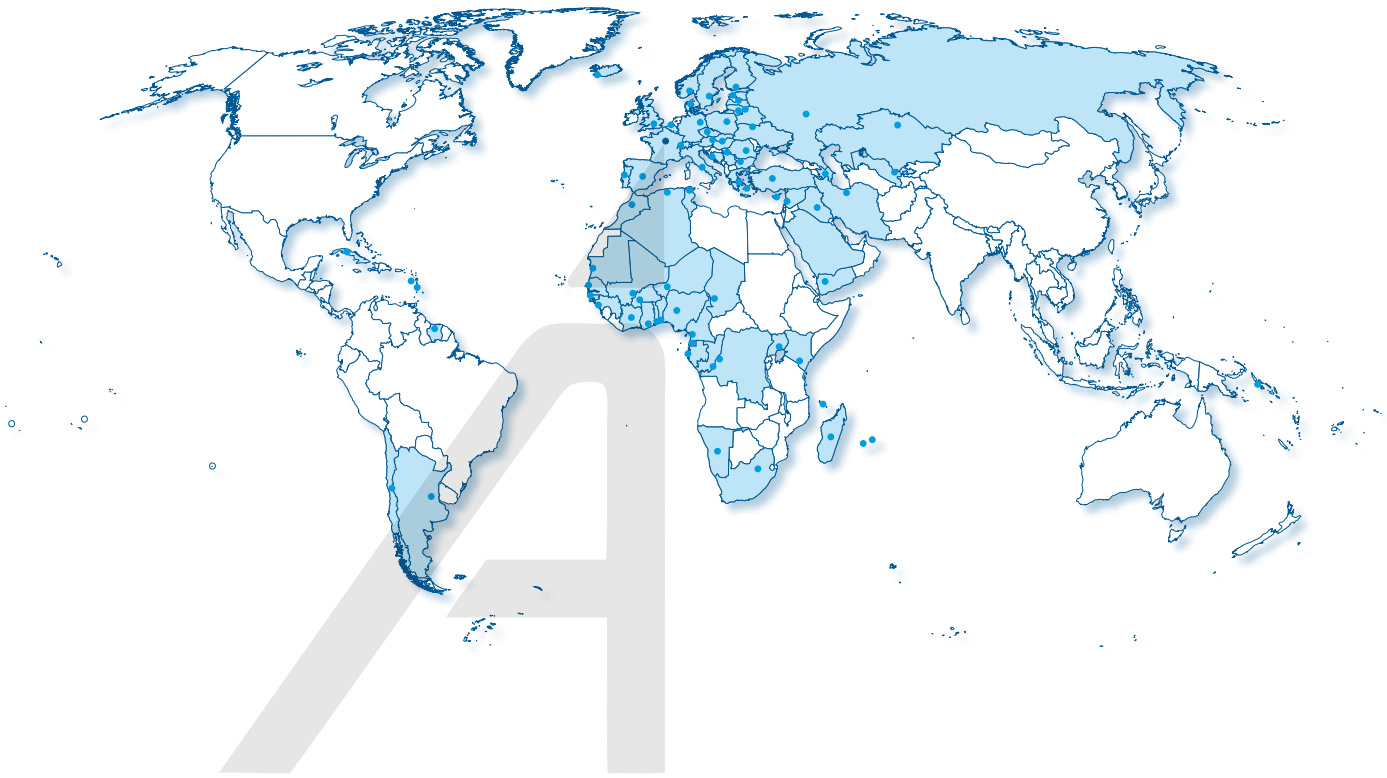
■ **www.airwell-res.com**

SELECTION ASSISTANT

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

The expertise of a french brand

An international sales network



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

2018 Development in Middle East and Latin America

2017 70 years and in the era of 3.0, Airwell is BIM ready

70 1947 - 2017 Airwell years Just feel well

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

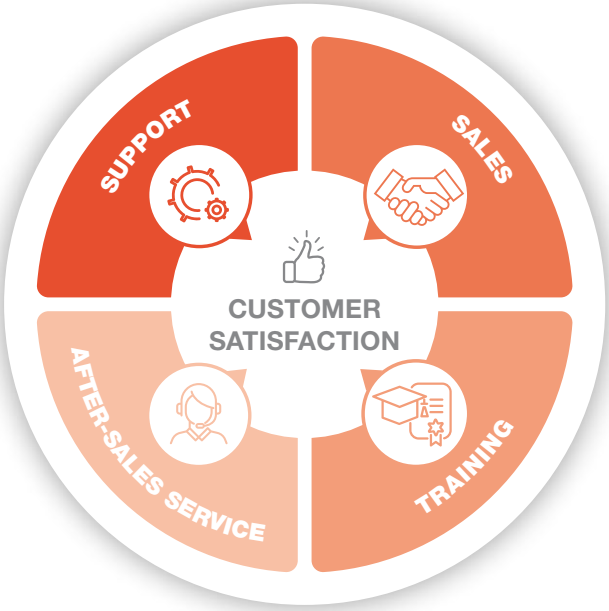
Airwell makes every effort to make life easier for its customers.

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.

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 U.E.

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 U.E.)

- 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

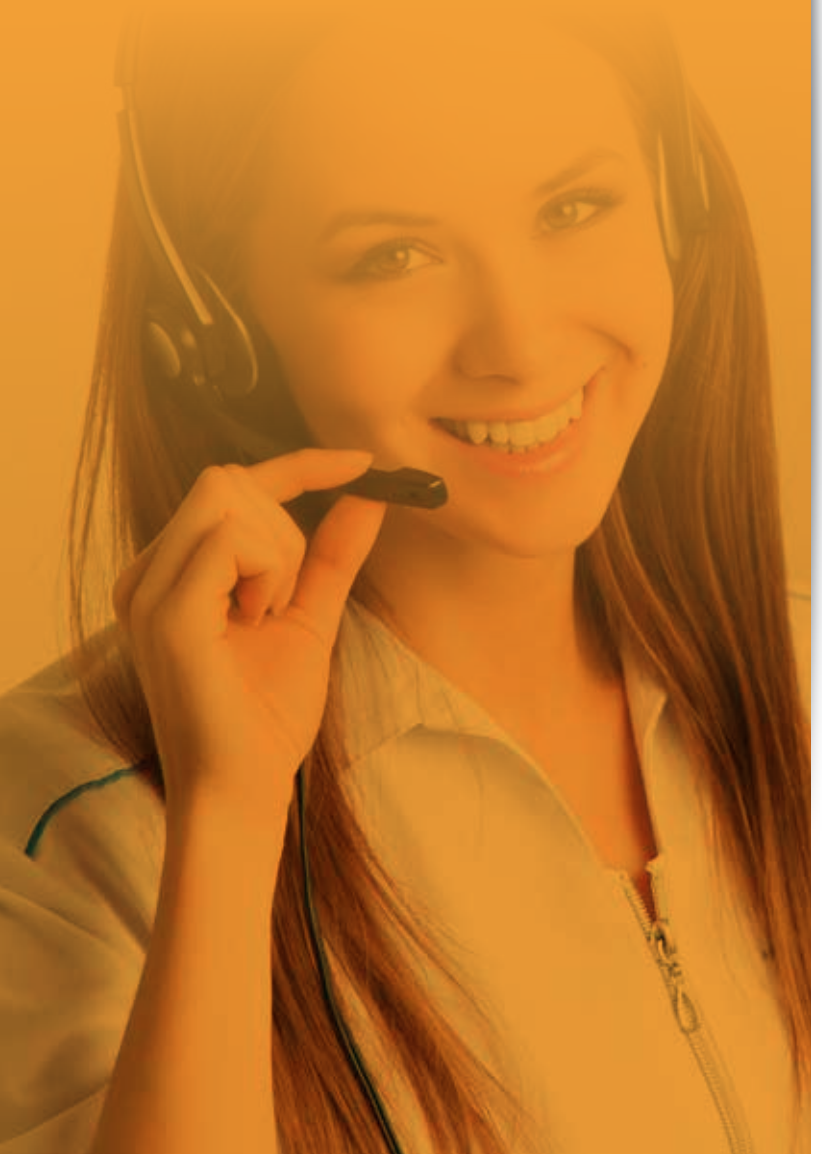
your expert...

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 MEP content library.

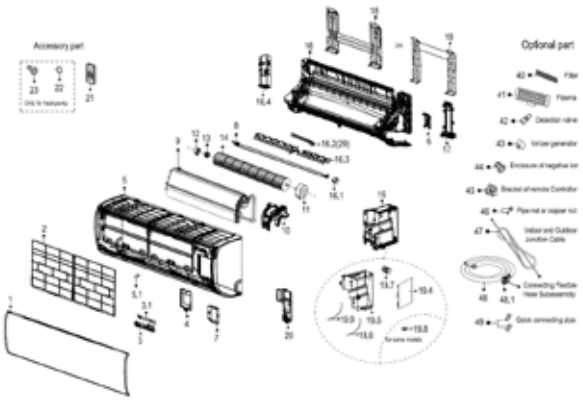
This allows REVIT® users to integrate Airwell content for all their building projects, made in the 3D digital world.

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

SPARE PARTS

FOR PRODUCTS UNDER AIWELL SUPPORT

sales@adhoc-pro.com



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 certifies the performance of its air conditioning products (splits and multisplits with at least 2 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.

UNIQUE SOLUTIONS

DUCTED DLSE + VAV

- Zone Control: The ideal temperature in every room.
- Energy saving.
- The DC motor combined with the horizontal fan offers high efficiency.
- Advanced technology by controlling the compressor inverter.

More details on p. 28

DUCTED DLF

- Designed for vertical and horizontal installation.
- Compact: height 200 mm, saving space.
- Super silent.
- Invisible solution.

More details on p. 24

WATER SOLUTIONS: CAO ET GCAO

- Ideal solution for buildings subject to local or aesthetic restrictions.
- Simple and easy installation.

More details on p. 78

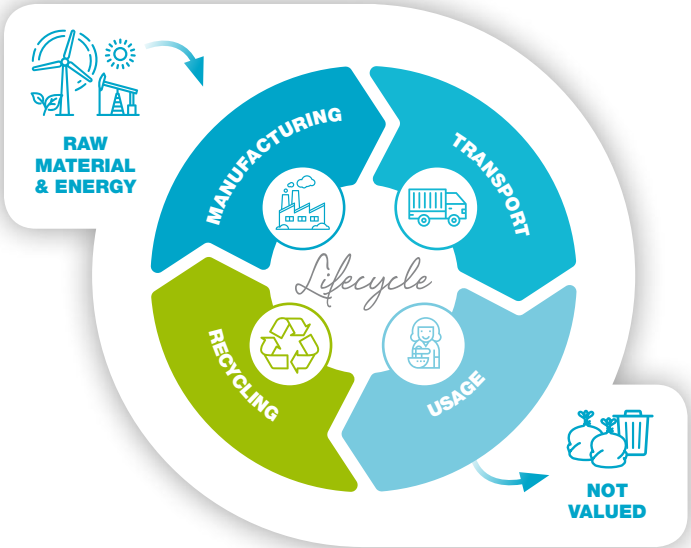
SOLUTION WITHOUT OUTDOOR UNIT

ENVIRONMENTAL APPROACH

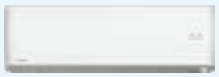
Airwell is part of an eco-environmental approach, which includes the analysis of the life cycle of its products with the development of a Product Environmental Profile (PEP).

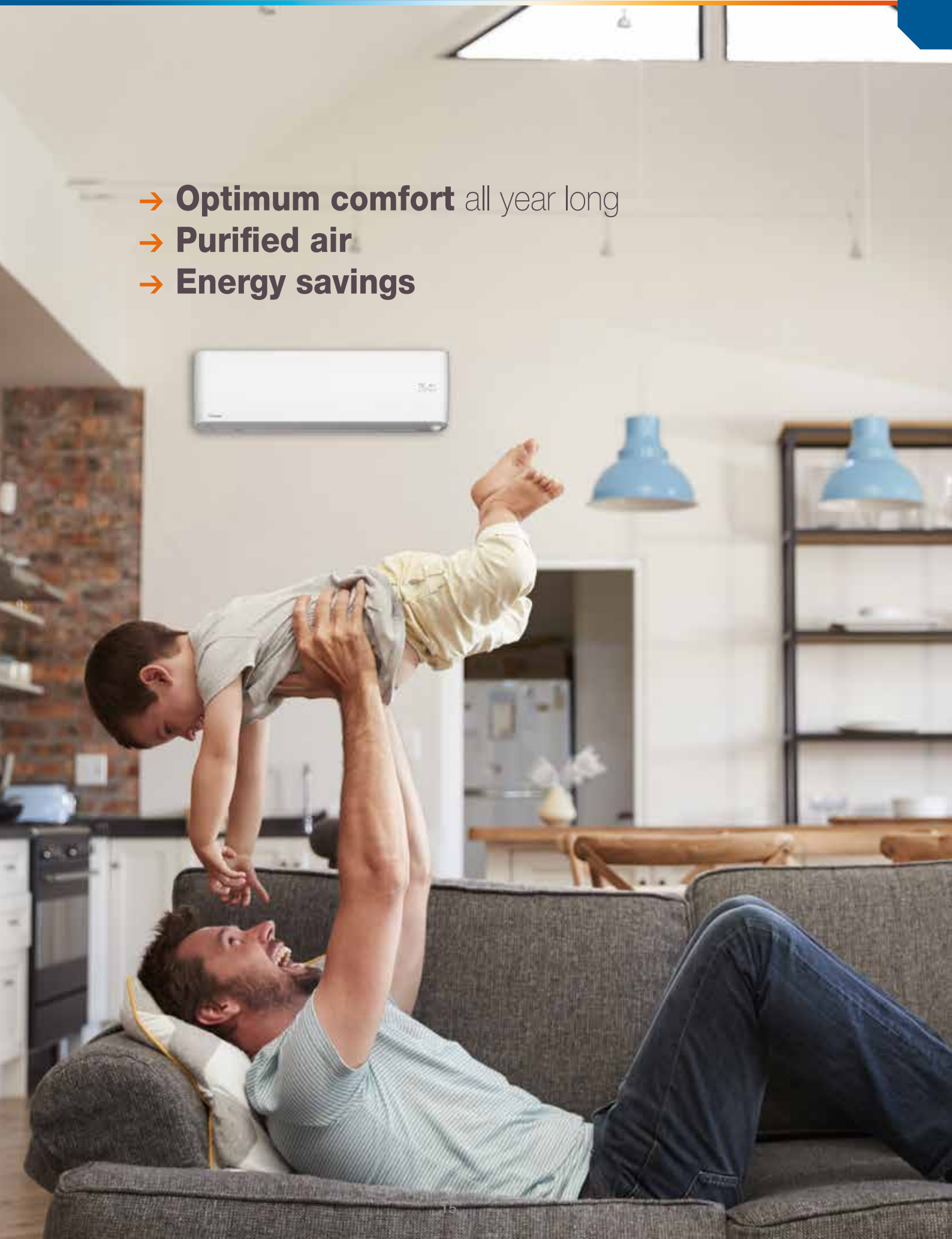
Airwell offers a range of R32 refrigerant products with low environmental impact.

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



High wall range

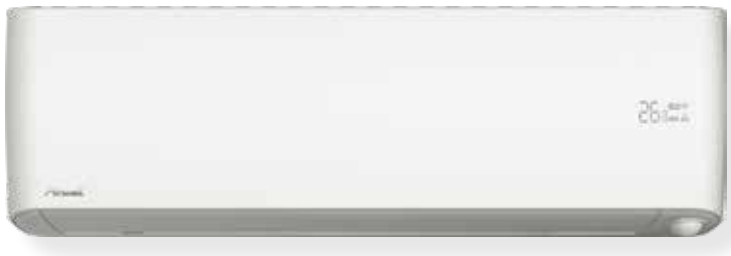
MODEL NAME		Fluid type	Page	kBTU/h kW	9 2.5	12 3.5	18 5	24 7
 HIGH WALL MONOSPLIT Designed for extreme climates	HRD	R32	16		●	●		
NEW HIGH WALL MONOSPLIT & MULTISPLIT Operates with refrigerant with low environmental impact	HDM	R32	18		●	●	●	●
UPGRADE HIGH WALL MONOSPLIT & MULTISPLIT Best seller	HKD	R410A	20		●	●	●	●



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

DC Inverter
Cooling & heating

HRD
HIGH WALL MONOSPLIT



- → High performance: operating at -30 ° C in heating mode.
- → “Follow me”: optimized airflow via a presence detector.
- → High efficiency (SCOP higher than 5 and SEER higher than 8): energy savings.
- → Reduced energy consumption using the hot mode alone.
- → High wall with a digital display (mode, temperature...).
- → Double motorized shutters for maximum thermal comfort (4 air streams).

A+++

PRODUCTS

- Designed for extreme climates.
- R32 refrigerant with low environmental impact.
- Ultra-quiet heat pump.
- Sleek design.
- Connected solution (WiFi).

RC10 included

FEATURES

TECHNOLOGY:

DC INVERTER · R32 FLUID · ELECTRONIC EXPANSION VALVE · 4D AIRFLOW

AIR QUALITY / CLEAN:

NANO PHOTOCATALYTIC FILTER · AUTO CLEAN/DRY

USER FUNCTIONS:

NIGHT MODE · QUIET 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 · SERVICE MONITOR TOOL

“FOLLOW ME” FUNCTION

Wind flow away from people

Wind flow follow people

Strong wind when more people in room

Gentle wind flow when less people in room

OPTIONS

Accessory	Part number	Photo	Function
Test tool for high wall	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
Central controller RCW16	7ACEL1707		Controls up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, Modbus.
Air Net WiFi Module	7ACEL1719		Control air conditioners with your mobile phone, tablet or computer with wireless router and internet.

HRD TECHNICAL DATA

Indoor units		AWSI-HRD009-N91	AWSI-HRD012-N91
Outdoor units		**AWAU-YRD009-H91**	**AWAU-YRD012-H91**
Phase		**Single phase**	**Single phase**
COOLING			
Rated power (min./max.)	**kW**	**2.65 (1.0-4.7)**	**3.54 (1.3-4.8)**
Pdesignc	**kW**	**2.65**	**3.54**
Rated power input	kW	0.489	0.802
SEER/Energy label		**9.3/A+++**	**8.5/A+++**
Operating limits	°C	-15°/50° Dry bulb	
HEATING			
Rated power (min./max.)	**kW**	**4.1 (0.9-5.2)**	**4.3 (1.0-6.3)**
Pdesignh (average climate)	**kW**	**2.3**	**2.5**
Pdesignh (warmer climate)	**kW**	**3**	**3.1**
Pdesignh (colder climate)	**KW**	**3.6**	**3.8**
Rated power input	kW	0.870	1.020
SCOP/Energy Label (average climate)		**5.1/A+++**	**5.1/A+++**
SCOP/Energy Label (warmer climate)		**6.1/A+++**	**6.1/A+++**
SCOP/Energy Label (colder climate)		4.0/A+	3.4/A
Operating limits	°C	-30°/30° Dry bulb	
Power @ -10°C	kW	3.40	3.40
Power @ -15°C	kW	3.10	3.10
INDOOR UNIT			
Sound pressure level to 1 m (VL/LS/MS/HS)	dB (A)	20/23/28/32	20/24/29/33
Sound power level	dB (A)	59	59
Airflow (VL/LS/MS/HS)	m³/h	270/360/450/540/640	270/360/450/540/640
Dehumidification	l/h	1.0	1.2
Outline dimensions (WxHxD)	mm	895x298x248	895x298x248
Package dimensions (WxHxD)	mm	975x370x325	975x370x325
Net weight/Gross weight	kg	13/16	13/16
Part number		**7SP023060**	**7SP023061**
OUTDOOR UNIT			
Sound pressure level to 1 m	dB (A)	51	51
Sound power level	dB (A)	57	57
Airflow	m³/h	1980	1980
Compressor type		Rotary DC Inverter	Rotary DC Inverter
Outline dimensions (WxHxD)	mm	800x554x333	800x554x333
Package dimensions (WxHxD)	mm	900x615x390	900x615x390
Net weight/Gross weight	kg	36.4/39.7	36.4/39.7
Part number		**7SP062915**	**7SP062916**
POWER SUPPLY			
Phase/Tension/Frequency		1P/230V/50Hz	1P/230V/50Hz
Power supply side		Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5
Fuse rating am (D curve)	A	10	10
Electrical connections	mm²	5x1.5	5x1.5
PIPE LINE			
Suction pipe diameter	inches	3/8"	3/8"
Liquid pipe diameter	inches	1/4"	1/4"
Max. length	m	25	25
Max. height	m	10	10
Refrigerant / GWP		R32/675	R32/675
Charge (5 m)	kg	0.87	0.87
Additional charge	g/m	15	15

COMBINATIONS

Indoor unit	Compatible with outdoor unit
High wall	**Monosplit**
HRD	YRD

HDM
HIGH WALL MONOSPLIT & MULTISPLIT

NEW A++

+ PRODUCTS

- Quiet heat pump.
- Monosplit & multisplit application.
- Environmental friendly refrigerant.

RC09

→ Economical solution: A++ class.
→ High efficiency: SEER higher than 6.
→ High wall with digital screen (mode, temperature...).
→ Modern and elegant design.

FEATURES

TECHNOLOGY:

FLEXY MATCH · DC INVERTER · R32 FLUID · 4D AIRFLOW · MULTIFLOW 360°

AIR QUALITY / CLEAN:

AIR FILTER

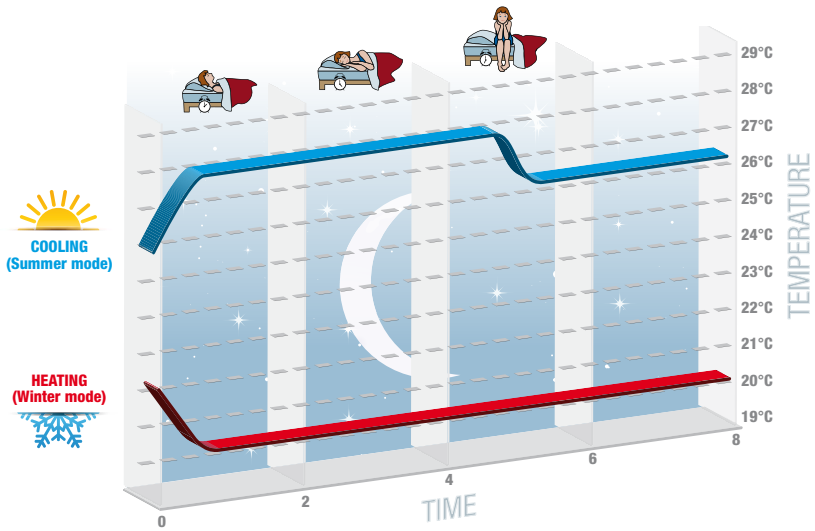
USER FUNCTIONS:

NIGHT MODE · QUIET MODE · AUTO RESTART (MEMORY) · REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

ERROR CODE VIA INDOOR UNIT · SELF DIAGNOSTIC · LEFT/RIGHT DRAIN CONNEXION · OUTDOOR UNIT NIGHT MODE DRY CONTACT

NIGHT MODE: BETTER COMFORT & ENERGY SAVING



HDM TECHNICAL DATA

Indoor units		AW-HDM009-N91	AW-HDM012-N91	AW-HDM018-N91	AW-HDM024-N91
Outdoor units		**AW-YHDM009-H91**	**AW-YHDM012-H91**	**AW-YHDM018-H91**	**AW-YHDM024-H91**
Phase		**Single phase**	**Single phase**	**Single phase**	**Single phase**
COOLING					
Rated power (min./max.)	**kW**	**2.6 (0.8-3.4)**	**3.6 (1.0-4.2)**	**5.2 (1.3-6.8)**	**7.0 (2.2-8.5)**
Pdesignc	**kW**	**2,6**	**3,6**	**5,2**	**7.0**
Rated power input	kW	0.80	1.11	1.61	2.16
SEER/Energy label		**6.2/A++**	**6.8/A++**	**6.8/A++**	**7.1/A++**
Operating limits	°C	-10°/43° Dry bulb			
HEATING					
Rated power (min./max.)	**kW**	**3.4 (1.0-4.6)**	**4.2 (1.1-5.4)**	**6.0 (1.4-6.9)**	**8.1 (2.4-10.0)**
Pdesignh	**kW**	**2.4**	**3.2**	**5.2**	**5.6**
Rated power input	kW	0.91	1.13	1.61	2.18
SCOP/Energy label (average climate)		4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy label (warmer climate)		**4.90/A++**	**4.60/A+++**	**5.30/A+++**	**5.30/A+++**
Operating limits	°C	-15°/24° Dry bulb			
INDOOR UNIT					
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	**20**/28/32/35	**21**/29/33/36	28/35/40/44	30/37/43/47
Sound power level	dB(A)	52	54	57	60
Airflow	m³/h	500	550	1000	1200
Dehumidification	l/h	1,2	1,6	2.0	2,8
Outline dimensions (WxHxD)	mm	820x280x195	820x280x195	1008x318x225	1125x335x240
Package dimensions (WxHxD)	mm	909x355x279	909x355x279	1085x403x329	1206x418x342
Net weight/Gross weight	kg	8.8/11	8.8/11	11.6/14.4	14/17.5
Part number		**7SP023090**	**7SP023091**	**7SP023092**	**7SP023093**
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	46/47	46/47	51/52	52/53
Sound power level	dB(A)	60/61	61/62	63/64	65/66
Airflow	m³/h	1900	1900	2500	2900
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter
Outline dimensions (WxHxD)	mm	780x540x245	780x540x245	820x614x338	890x697x353
Package dimensions (WxHxD)	mm	920x620x351	920x620x351	963x685x413	1046x780x460
Net weight/Gross weight	kg	27/30	28/31	37.8/41.5	51/56
Part number		**7SP062945**	**7SP062946**	**7SP062947**	**7SP062948**
POWER SUPPLY					
Phase/Tension/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	16
Electrical connections	mm²	5x1.5	5x1.5	5x1.5	5x2.5
PIPE LINE					
Suction pipe diameter	inches	1/4"	1/4"	1/4"	1/4"
Liquid pipe diameter	inches	3/8"	3/8"	1/2"	1/2"
Max. length	m	15	15	25	25
Max. height	m	10	10	15	15
Refrigerant / GWP		R32/675	R32/675	R32/675	R32/675
Charge	kg	0.7	0.72	0.95	1.2
Aditional charge	g/m	20	20	20	20

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
High wall	**Monosplit**	**Multisplit**
HDM 9 to 18	YHDM 9 to 18	YDZA
HDM 24	YHDM 24	YDZA

HKD
HIGH WALL MONOSPLIT & MULTISPLIT

A++ **UPGRADE**

→ 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 hot mode alone.
→ High wall with digital display (mode, temperature ...).

PRODUCTS

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

RC08C included

RCW8 (optional)

FEATURES

TECHNOLOGY:

FLEXY MATCH — FLEXY MATCH
DC INVERTER — DC INVERTER
R410A — R410A FLUID
4D AIRFLOW — 4D AIRFLOW
REDUNDANCY FUNCTION — REDUNDANCY FUNCTION

AIR QUALITY / CLEAN:

NANO PHOTOCATALYTIC FILTER
AIR FILTER
AUTO — AUTO CLEAN/DRY

USER FUNCTIONS:

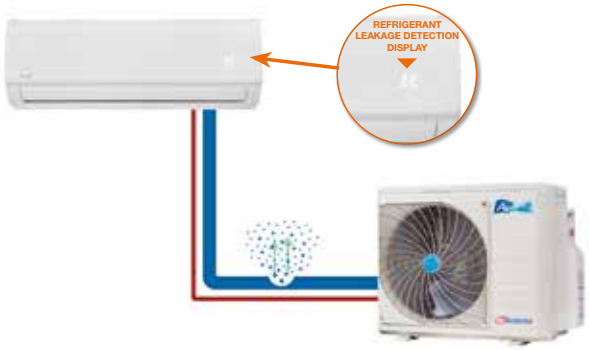
I FEEL — I FEEL
NIGHT MODE
REFRIGERANT LEAKAGE DETECT
24 H — PROGRAMMABLE TIMER
RESTART — AUTO RESTART (MEMORY)
REMOTE CONTROL LOCK
Air.Net — WIFI

INSTALLER FUNCTIONS:

88 — ERROR CODE VIA INDOOR UNIT
SELF DIAGNOSTIC
LEFT/RIGHT DRAIN CONNECTION
DRY CONTACT ON/OFF
SERVICE MONITOR TOOL

WiFi option

Refrigerant leakage detection alarm system



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.
Addtionnal multi function board	7ACEL1761		ON/OFF, alarm output, centralized controller.
Air Net WiFi Module	7ACEL1744		Control air conditioners with your mobile phone, tablet or computer with wireless router and internet.

HKD TECHNICAL DATA

Indoor units		AWSI-HKD009-N11	AWSI-HKD012-N11	AWSI-HKD018-N11	AWSI-HKD024-N11
Outdoor units		**AWAU-YKD009-H11**	**AWAU-YKD012-H11**	**AWAU-YKD018-H11**	**AWAU-YKD024-H11**
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 (VL/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		**7SP023054**	**7SP023055**	**7SP023056**	**7SP023057**
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/Tension/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**	**Multisplit**
HKD 9 to 24	YKD	YCZ

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 LOW STATIC PRESSURE MONOSPLIT Horizontal or vertical installation	DLF	R410A	24			•	•						
DUCTED MEDIUM STATIC PRESSURE MONOSPLIT Zone control: Ideal temperature in each room	DLSE	R410A	28			•	•	•	•	•			
UPGRADE DUCTED MEDIUM STATIC PRESSURE MONOSPLIT & MULTISPLIT Best seller	DID	R410A	36		•	•	•		•	•	•		

DLF
Horizontal
or vertical
installation
invisible solution

DLSE+VAV
Solution for **the whole house**

Unique solutions

DLF

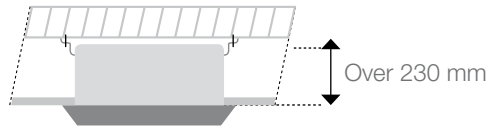
One product: 2 installation types

Possibility n°1: VERTICAL INSTALLATION

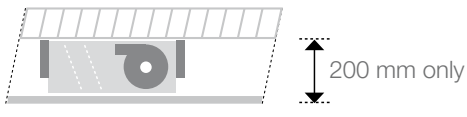
- → Vertical installation with compact dimensions, only 200 mm depth.
- → The best solution for replacing radiator.
- → The best solution in rooms with no space for ceiling installation.
- → Creates a clean and modern design after installation.

Possibility n°2: HORIZONTAL INSTALLATION

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



Typical cassette



DLF

DC Inverter
Cooling & heating

DLF DUCTED LOW STATIC PRESSURE MONOSPLIT

- → Comfort "I Feel": temperature sensor in RC08W remote control.
- → Compact indoor unit for easy installation in false ceiling.
- → Energy savings via variation of the airflow of the outdoor unit.
- → Flexible Installtion: Horizontally in false ceiling or verticaly in wall cabinet.
- → Guaranteed energy saving through weekly programming.
- → Anti-corrosive treatment that increases the life of the unit.

Unique solutions : A++

PRODUCTS

- Horizontal or vertical installation.
- Extra slim.
- Water pump included.

RCW2 included

RC08W (optional)

FEATURES

TECHNOLOGY:

DC INVERTER — DC INVERTER
R410A — R410A FLUID
ELECTRONIC EXPANSION VALVE

AIR QUALITY / CLEAN:

AUTO — AUTO CLEAN/DRY
FILTER CLEAN INDICATION

USER FUNCTIONS:

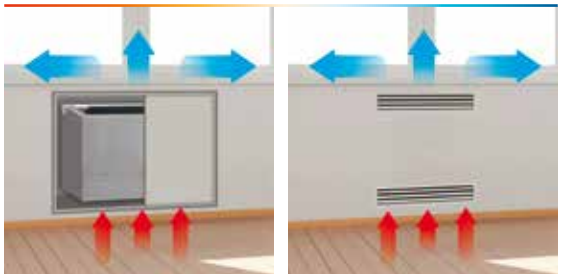
I FEEL — I FEEL
NIGHT MODE
super quiet — QUIET MODE
24 H — PROGRAMMABLE TIMER
RESTART — AUTO RESTART (MEMORY)
REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

SELF DIAGNOSTIC
INTEGRATED WATER PUMP
ALARM OUTPUT
BMS — BMS COMPATIBLE
SERVICE MONITOR TOOL
POWER CONSUMPTION CONTROL
ODU — OUTDOOR UNIT NIGHT MODE DRY CONTACT
STBY ODU — OUTDOOR UNIT STAND-BY
ODU — OUTDOOR UNIT ALARM OUTPUT
DRY CONTACT ON/OFF
TEST MODE — TECHNICIAN TEST MODE

BEFORE

AFTER



OPTIONS

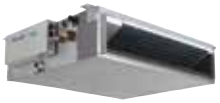
Accessory	Part number	Photo	Function
Wireless controller RC08W	7ACEL1741		Operation mode, night mode, timer, I Feel, swing, clean mode...
Duct plenum for DLF 18	7ACVF0516		Round duct connection with the following combination.
Duct plenum for DLF 24	7ACVF0517		

Indoor model name	Hoses connection	
	Option 1	Option 2
DLF 18	3x160mm	1x160mm + 1x200mm
DLF 24	4x160mm	1x160mm + 1x200mm

DLF TECHNICAL DATA

Indoor units		AWSI-DLF018-N11	AWSI-DLF024-N11
Outdoor units		**AWAU-YBDE018-H11**	**AWAU-YBDE024-H11**
Phase		Single phase	Single phase
COOLING			
Rated power (min./max.)	**kW**	**5.0 (1.5-5.8)**	**7.0 (1.5-7.5)**
Pdesignc	**kW**	**5.0**	**7.0**
Rated power input	kW	1.23	1.70
SEER/Energy label		5.4/A	5.6/A+
Operating limits	°C	-10°/46° Dry bulb	
HEATING			
Rated power (min./max.)	**kW**	**5.6 (1.3-6.8)**	**7.6 (1.5-8.8)**
Pdesignh	**kW**	**4.8**	**7.5**
Rated power input	kW	1.52	1.78
SCOP/Energy label (average climate)		3.9/A	3.8/A
SCOP/Energy label (warmer climate)		4.3/A+	**4.7/A++**
Operating limits	°C	-15°/24° Dry bulb	
Power @ -10°C	kW	5.3	5.4
Power @ -15°C	kW	4.7	4.8
INDOOR UNIT			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	29/32/35	32/35/39
Sound power level (LS/MS/HS)	dB(A)	48/51/54	56/59/63
Airflow (LS/MS/HS)	m³/h	540/600/710	900/950/1150
External static pressure Range	Pa	0-40	0-40
Dehumidification	l/h	1.8	2.7
Outline dimensions (WxHxD)	mm	750x200x630	1050x200x630
Package dimensions (WxHxD)	mm	890x243x710	1190x243x710
Net weight/Gross weight	kg	21/23	25/28
Part number		**7SP022748**	**7SP022749**
OUTDOOR UNIT			
Sound pressure level to 1 m	dB(A)	53	55
Sound power level	dB(A)	65	67
Airflow	m³/h	2500	2750
Compressor type		Twin Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	900x700x340	900x700x340
Package dimensions (WxHxD)	mm	985x730x435	985x730x435
Net weight/Gross weight	kg	56/58.5	61/63.5
Part number		**7SP061886**	**7SP061887**
POWER SUPPLY			
Phase/Tension/Frequency		1P/230V/50Hz	1P/230V/50Hz
Power supply side		Indoor & Outdoor	Outdoor
Power cable section	mm²	3x2.5	3x2.5
Fuse rating am (D curve)	A	20	20
Electrical connections	mm²	4x1.5	4x1.5
PIPE LINE			
Suction pipe diameter	inches	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	3/8"
Max. length	m	30	30
Max. height	m	15	15
Refrigerant / GWP		R410A/2088	R410A/2088
Charge (7,5 m)	kg	1.55	2.3

COMBINATIONS

Indoor unit	Compatible with outdoor unit
Ducted	Monosplit
DLF	YBDE
	

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” 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 70m 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.

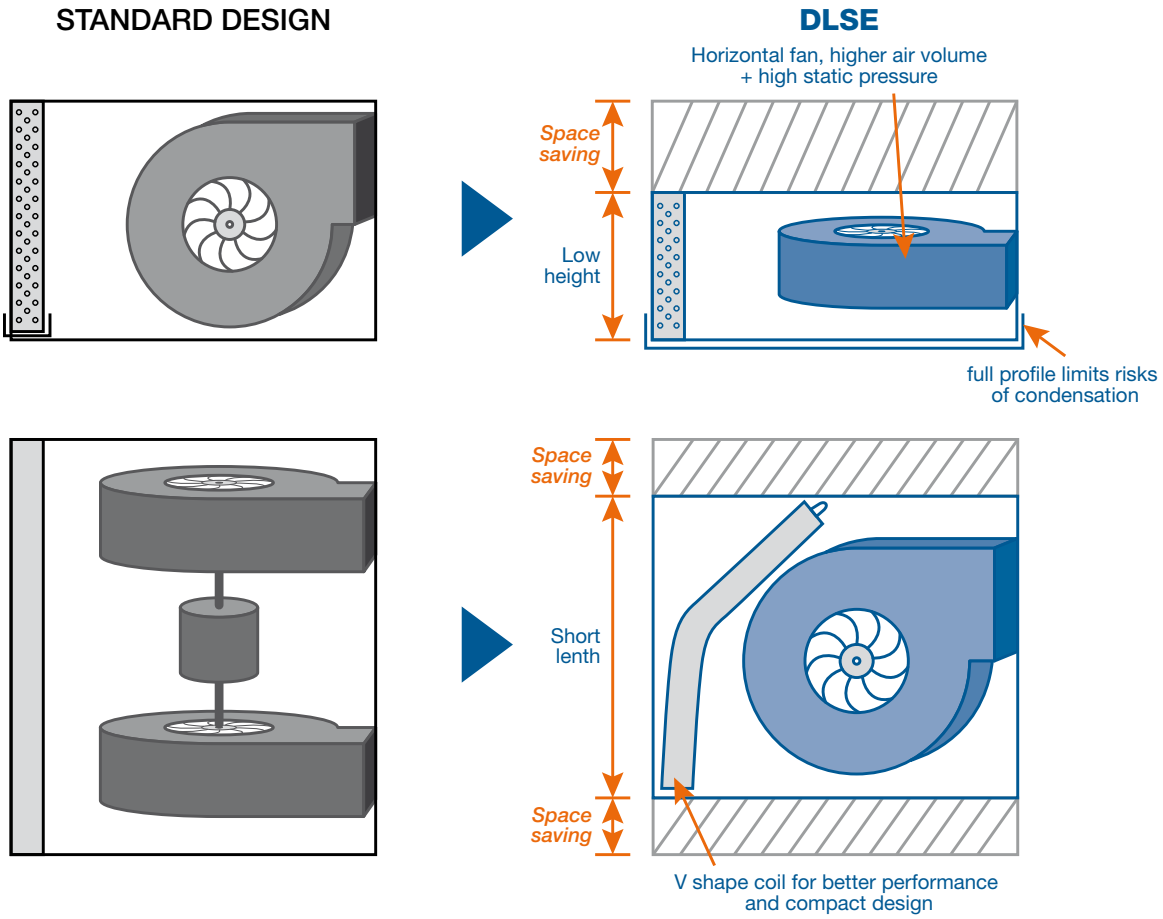
Good to know!

Use our design document to select easily your system.

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

SPECIAL DESIGN FOR YOUR CONVENIENCE

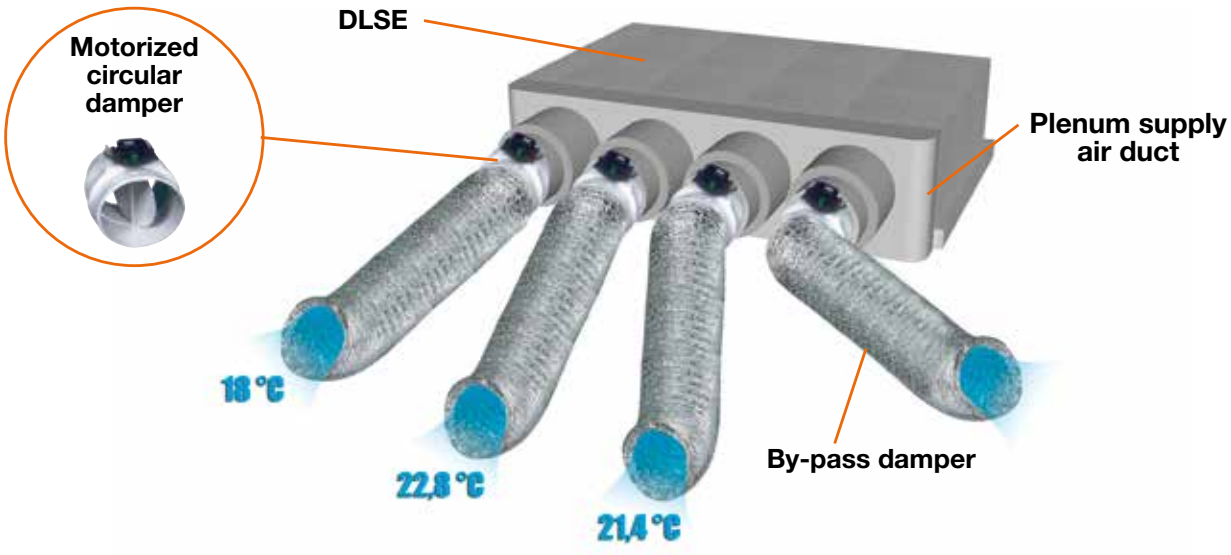
- Unique V shape coil.
- Extra slim indoor unit (low height: 256 mm only).



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 table below).

ROUND APPLICATION



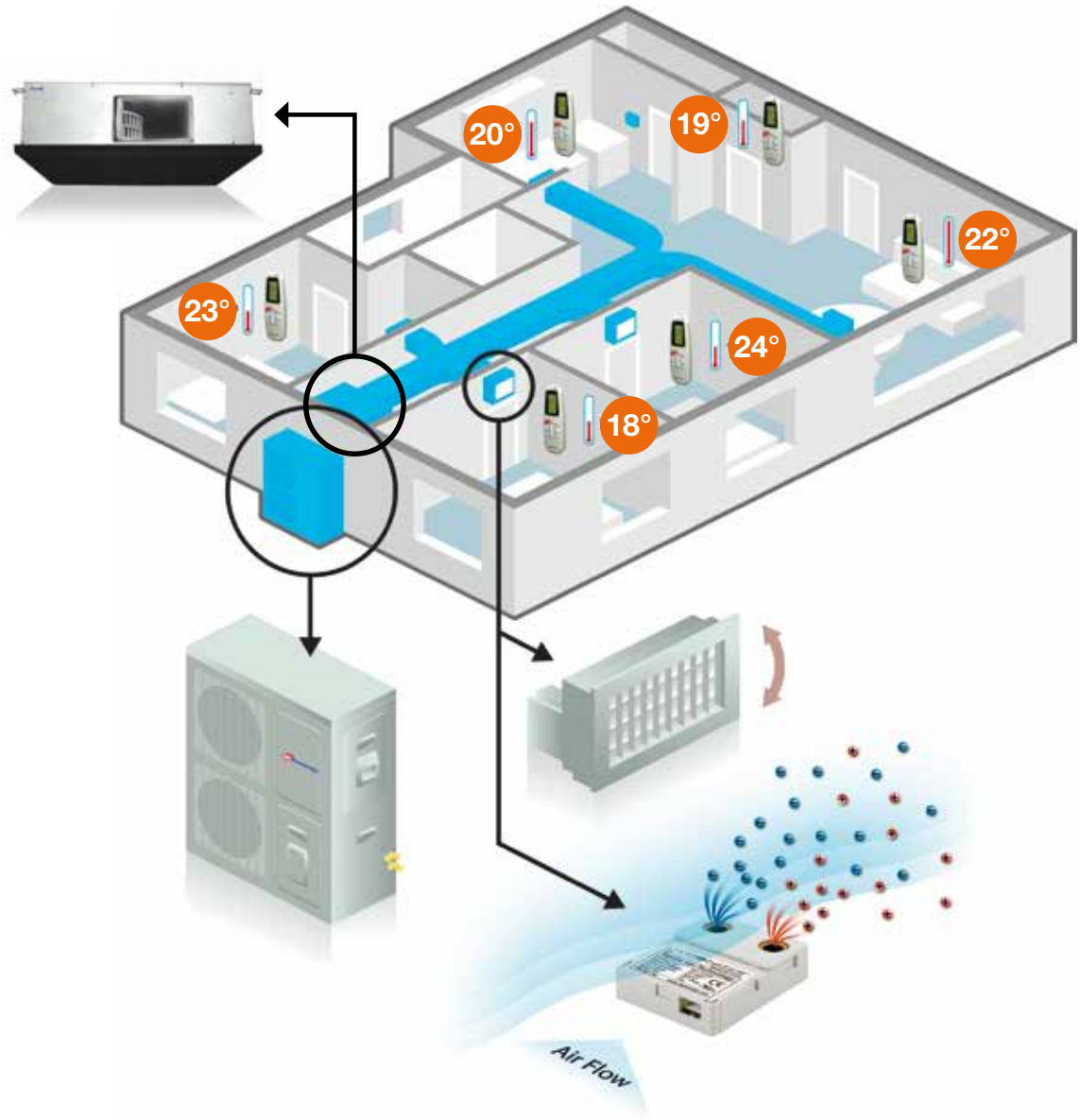
MOTORIZED ROUND TYPE ACCESSORIES

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: ROUND APPLICATION

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 sorties in 250 mm+1 bypass in 200 mm (intake) (2 obturators in 250 mm included)	DLSE 36/43	7ACVF0135

RECTANGULAR APPLICATION



MOTORIZED RECTANGULAR TYPE ACCESSORIES

Part description	Part number
DLSE kit **(mandatory)**	7ACEL1745
Main controller VAV kit	7ACEL1641
Motorized grill (30 cm x 15 cm) kit (Wireless controller C85-R included)	7ACEL1642
Motorized grill (40 cm x 15 cm) kit (Wireless controller C85-R included)	7ACEL1643
Motorized grill (50 cm x 15 cm) kit (Wireless controller C85-R included)	7ACEL1644
Motorized by-pass damper (40 cm x 15 cm) kit	7ACEL1645
Motorized by-pass damper (50 cm x 15 cm) kit	7ACEL1646
Duct frame profile for grille 150 mm	7ACVF0551
Duct frame profile for grille 300 mm	7ACVF0552
Duct frame profile for grille 400 mm	7ACVF0553
Duct frame profile for grille 500 mm	7ACVF0554
Sterionizer kit for motorized grill	7ACEL1655

DLSE+VAV DUCTED MEDIUM STATIC PRESSURE MONOSPLIT

- → 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-corrosive treatment that increases the life of the unit.

Unique solutions : A++

PRODUCTS

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

RCW2 included

C85-R (included with damper)

RC08W (optional)

FEATURES

TECHNOLOGY:

DC INVERTER — DC INVERTER
R410A — R410A FLUID
ELECTRONIC EXPANSION VALVE

USER FUNCTIONS:

I FEEL — I FEEL
NIGHT MODE
SUPER QUIET — QUIET MODE
24 H — PROGRAMMABLE TIMER
RESTART — AUTO RESTART (MEMORY)
REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

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

OPTIONS

Accessory	Part number	Photo	Function
Wireless controller RC08W	7ACEL1741		Operation mode, night mode, timer, I Feel, swing, clean mode...

See option VAV accessories on page 31.

All sizes except DLSE 043

DLSE TECHNICAL DATA

Indoor units		AWSI-DLSE018-N11	AWSI-DLSE024-N11	AWSI-DLSE030-N11	AWSI-DLSE036-N11		AWSI-DLSE043-N11	
Outdoor units		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 phases	Single phase	Three phases
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 (LS/MS/HS/SS)	dB(A)	35/38/41/43	38/42/45/48	39/43/46/48	41/45/46/48	41/45/46/48	42/46/53	42/46/53
Sound power level (LS/MS/HS/SS)	dB(A)	52/55/58/60	55/59/62/65	56/60/63/65	56/61/63/65	56/61/63/65	57/61/70	57/61/70
Airflow (LS/MS/HS/SS)	m³/h	740/875/1060/1150	870/1090/1220/1410	950/1140/1290/1410	1290/1550/1670/1750	1290/1550/1670/1750	1315/1530/2025	1315/1530/2025
External static pressure Range	Pa	25 (25-60)	25 (25-80)	25 (25-80)	37 (37-100)	37 (37-100)	50 (50-100)	50 (50-100)
Dehumidification	l/h	1.5	2.3	2.7	3.5	4.6	3.3	3.8
Outline dimensions (WxHxD)	mm	790x256x749	790x256x749	790x256x749	854x297x816	854x297x816	854x297x816	854x297x816
Package dimensions (WxHxD)	mm	960x300x855	960x300x855	960x300x855	1005x345x915	1005x345x915	1005x345x915	1005x345x915
Net weight/Gross weight	kg	29/31.5	30/32.5	31/33.5	33/35.5	33/35.5	33/35.5	33/35.5
Part number		**7SP032154**	**7SP032155**	**7SP032156**	**7SP032157**	**7SP032157**	**7SP032087**	**7SP032087**
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	53	55	56	58	58	58	58
Sound power level	dB(A)	65	67	68	69	69	70	70
Airflow	m³/h	2500	2750	3400	4150	4150	5700	5700
Compressor type		Twin Rotary 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/Tension/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	1.55 (15m)	2.3 (15m)	2.1 (15m)	2.5 (30m)	2.5 (30m)	3.3 (30m)	3.2 (30m)
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

DID

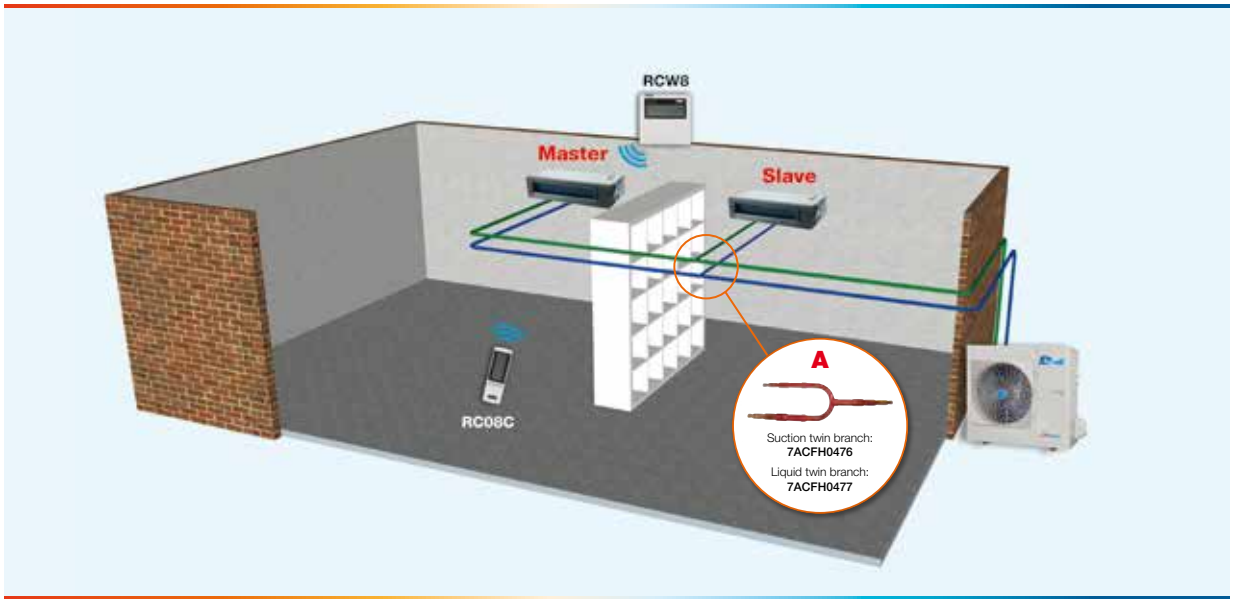
Twin application

TWIN APPLICATION

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 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 units	Outdoor units
Twin system	DID018 + DID018	YMD036
	DID024 + DID024	YMD048

Tubing & charge instructions	YMD036	YMD048
Pipe diameter (liquid-gas) (inches)	3/8"-5/8"	
Max. length (m)	30	50
Max. difference in branch length (m)	10	
Max. height drop between indoor units (m)	0.5	
Max. height drop between indoor and outdoor units (m)	20	
Max. branch length (m)	15	

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.**

DID DUCTED MEDIUM STATIC PRESSURE MONOSPLIT & MULTISPLIT

DID 012

DID 018-060

A++ UPGRADE

+ PRODUCTS

- **Twin application.**
- Many options.
- Compatible in monosplit and multisplit.
- G1 filter.

RCW8 included

RC08C (optional)

RCW6 (optional)

FEATURES

TECHNOLOGY:

FLEXY MATCH · DC INVERTER · R410A FLUID · ELECTRONIC EXPANSION VALVE · TWIN APPLICATION

REDUNDANCY FUNCTION

AIR QUALITY / CLEAN:

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

UNIT ON INPUT · DRY CONTACT ON/OFF · BMS COMPATIBLE

- → Comfort "I Feel": temperature sensor in the remote control RC08C.
- → Designed for easy maintenance and installation.
- → Interface dedicated to the installer for commissioning and maintenance.
- → Reduced energy consumption using the heat mode alone.
- → Optmisation of the stock thanks to a multi-range external group (YMD).
- → Air intake option from the back or bottom.

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 RCW6	7ACEL1704		Mode, fan speed, real time, timer, temperature, weekly timer and swing.
Central controller RCW16	7ACEL1707		Controls up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, Modbus.
BMS gateway BMS	7ACEL1708		Maximum 1024 units could be connected (16 gateways).
Insulated air duct plenum	7ACVF0136		2 ducts DN160. For DID 12.
	7ACVF0137		3 ducts DN 160. For DID 18.
	7ACVF0138		3 ducts DN 160. For DID 24.
	7ACVF0140		3 ducts DN 160. For DID 36/48/60.

DID TECHNICAL DATA

All sizes except DID 048-060

Indoor unit		AWSI-DID012-N11	AWSI-DID018-N11	AWSI-DID024-N11	AWSI-DID036-N11	AWSI-DID036-N11	AWSI-DID048-N11	AWSI-DID060-N11
Outdoor unit		AWAU-YMD012-H11	AWAU-YMD018-H11	AWAU-YMD024-H11	AWAU-YMD036-H11	AWAU-YMD036-H13	AWAU-YMD048-H13	AWAU-YMD060-H13
Phase		Single phase	Single phase	Single phase	Single phase	Three phases	Three phases	Three phases
COOLING								
Rated power (min./max.)	**kW**	**3.5 (0.5-4.1)**	**5.1 (0.8-6.1)**	**7 (1.2-8.2)**	**10.0 (2.9-12.0)**	**10.0 (2.9-12.0)**	**14.0 (4.1-16.4)**	**16 (5.0-18.1)**
Pdesignc	**kW**	**3.5**	**5.1**	**7**	**10.0**	**10.0**	**14.0**	**16**
Rated power input	kW	1.300	1.579	2.167	3.817	3.817	4.965	6.612
SEER/Energy label		**6.1/A++**	**6.3/A++**	**6.1/A++**	**6.1/A++**	**6.1/A++**	**6.1/A++**	5.6/A+
Operating limits	°C	-20°/50° DB	-15°/50° Dry bulb					
HEATING								
Rated power (min./max.)	**kW**	**3.80 (0.9-4.6)**	**5.8 (0.9-7.0)**	**7.3 (1.2-8.6)**	**11.5 (2.6-13.2)**	**11.5 (2.6-13.2)**	**16 (4.3-18.1)**	**18.0 (5.3-20.5)**
Pdesignh (average climate)	**kW**	**2.6**	**4.7**	**6**	**10.2**	**10.0**	**12**	**12.2**
Pdesignh (warmer climate)	**kW**	**3.4**	**5**	**6**	**10.5**	**10.5**	**12.2**	**12.4**
Rated power input	kW	1.200	1.518	1.911	3.091	3.091	4.301	5.263
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)		**4.9/A++**	**5.1/A+++**	**5.1/A+++**	**5.1/A+++**	**5.1/A+++**	**5.1/A+++**	**5.1/A+++**
Operating limits	°C	-20°/24° DB	-15°/24° Dry bulb					
Power @ -10°C	kW	2.4	4.8	7.6	9.8	9.5	12.9	14.1
Power @ -15°C	kW	1.9	3.8	6.2	7.6	7.6	10.1	12.3
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	27/34/40	38/40/42	38/40/42	38/40/42	42/44/46	48/50/52	54/56/58
Sound power level	dB(A)	60	59	62	63	63	69	74
Airflow (LS/MS/HS)	m³/h	300/480/600	690/850/980	780/1000/1200	920/1100/1400	920/1100/1400	1450/1740/2100	1800/2150/2500
External static pressure Range	Pa	25 (0-60)	25 (0-100)	25 (0-100)	37 (0-120)	37 (0-120)	50 (0-160)	50 (0-160)
Dehumidification	l/h	1.5	2	2.5	3.8	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	700x200x450	880x210x674	1100x249x774	1360x249x774	1360x249x774	1200x300x874	1200x300x874
Package dimensions (WxHxD)	mm	860x275x540	1070x270x725	130x305x805	1570x305x805	1570x305x805	1405x355x915	1405x355x915
Net weight/Gross weight	kg	18/22	25.4/31	31.7/39.1	40.2/48.4	40.2/48.4	46/55.2	46/55.2
Part number		**7SP032190**	**7SP032191**	**7SP032192**	**7SP032193**	**7SP032193**	**7SP032194**	**7SP032195**
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	56	54	60	61	61	63	63
Sound power level	dB(A)	63	65	65	67	68	72	75
Airflow	m³/h	2000	2100	2700	4300	4300	6800	7200
Compressor type		Rotary DCI	Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm	920x615x390	920x615x390	965x765x396	1090x865x500	1090x865x500	1095x1470x500	1095x1470x500
Net weight/Gross weight	kg	29.9/32.6	35.5/38.4	49/51.5	67.2/72.9	78.9/83.9	108.1/121.2	112.8/126
Part number		**7SP062970**	**7SP062892**	**7SP062893**	**7SP062895**	**7SP062896**	**7SP062899**	**7SP062900**
POWER SUPPLY								
Phase/Tension/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	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x4.0	3x1.0+5x2.5	3x1.0+5x2.5	3x1.0+5x2.5
Fuse rating am (D curve)	A	16	10+16	10+25	10+30	10+20	10+25	10+25
Electrical connections	mm²	4x1.0	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		R410A/2088	R410A/2088	R410A/2088	R410A/2088	R410A/2088	R410A/2088	R410A/2088
Charge (5 m)	kg	1.05	1.78	1.95	3.2	3.2	4	4.3
Additional charge	g/m	15	15	30	30	30	30	30

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
Ducted	**Monosplit**	**Multisplit**
DID 12	YMD	YCZ
DID 18 to 36	YMD	
DID 48 & 60	YMD	

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
UPGRADE CASSETTE MONOSPLIT/ MULTISPLIT ONLY SIZES 9, 12 & 18 Twin system	CCD	R410A	42		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**

Unique solutions

CCD

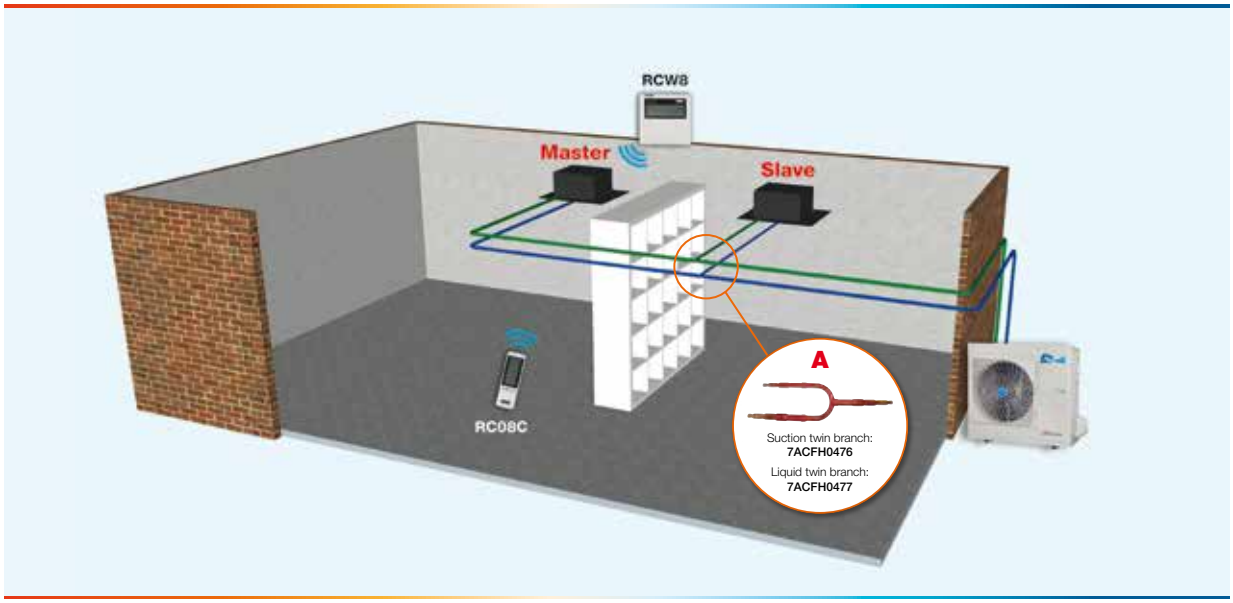
Twin application

TWIN APPLICATION

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 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 units	Outdoor units
Twin system	CCD018 + CCD018	YMD036
	CCD024 + CCD024	YMD048

Tubing & charge instructions	YMD036	YMD048
Pipe diameter (liquid-gas) (inches)	3/8"-5/8"	
Max. length (m)	30	50
Max. difference in branch length (m)	10	
Max. height drop between indoor units (m)	0.5	
Max. height drop between indoor and outdoor units (m)	20	
Max. branch length (m)	15	

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.**

DC Inverter
Cooling & heating

CCD CASSETTE MONOSPLIT MULTISPLIT → Only sizes 9, 12 & 18

600x600 and **900x900**

UPGRADE

A++

✚ PRODUCTS

- 360° flow.
- Twin application.
- Fresh air intake (for models 24 to 48).
- Water pump included.
- G1 filter.

RC08C included

RCW6 (optional)

RCW8 (optional)

FEATURES

TECHNOLOGY:

FLEXY MATCH · DC INVERTER · R410A FLUID · ELECTRONIC EXPANSION VALVE · MULTIFLOW 360°

TWIN APPLICATION · REDUNDANCY FUNCTION

AIR QUALITY / CLEAN:

AIR FILTER · FRESH AIR (CCD 24-48)

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 · ALARM OUTPUT · UNIT ON INPUT

DRY CONTACT ON/OFF · BMS COMPATIBLE

CCD 009-012-018

CCD 024-036-048

- → Comfort "I Feel": temperature sensor in RC08C remote control.
- → Multisplit application available in sizes 9X, 12 and 18X (see specific part numbers on page 60).
- → Compatible with a centralized remote control.
- → Interface dedicated to the installer for commissioning and maintenance.
- → Reduced energy consumption using the heat mode alone.
- → Inventory optimization thanks to a multi-range outdoor unit (YMD).

360 DEGREE FLOW WITH ROUND CORNERS

OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW6	7ACEL1704		Mode, fan speed, real time, timer, temperature, weekly timer and swing.
Wired single control RCW8	7ACEL1706		Mode, fan speed, timer ON/OFF, temperature and swing.
Central controller RCW16	7ACEL1707		Controls up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, Modbus.
BMS gateway BMS	7ACEL1708		Maximum 1024 units could be connected (16 gateways).

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

All sizes except CCD048

CCD TECHNICAL DATA

ONLY MULTI CONFIGURATION

Indoor unit		AWSI-CCD009X-N11	AWSI-CCD012-N11	AWSI-CCD018-N11	AWSI-CCD024-N11	AWSI-CCD036-N11	AWSI-CCD036-N11	AWSI-CCD048-N11
Outdoor units		-	AWAU-YMD012-H11	AWAU-YMD018-H11	AWAU-YMD024-H11	AWAU-YMD036-H11	AWAU-YMD036-H13	AWAU-YMD048-H13
Phase		Single phase						
COOLING								
Rated power (min./max.)	**kW**	**2.6 (0.8-3.3)**	**3.5 (0.8-4.1)**	**5.1 (0.8-6.1)**	**6.8 (1.2-8.2)**	**10.5 (2.9-12.0)**	**10.5 (2.9-12.0)**	**14.0 (4.0-16.1)**
Pdesignc	**kW**		**3.5**	**5.1**	**6.8**	**10.5**	**10.5**	**14.0**
Rated power input	kW		0.9	1.579	2.105	4.008	4.008	5.344
SEER/Energy label			6.8/A++	6.3/A++	6.1/A++	6.1/A++	6.1/A++	5.6/A+
Operating limits	°C	-15°/50° Dry bulb						
HEATING								
Rated power (min./max.)	**kW**	**2.9 (0.85-3.7)**	**4.1 (0.5-4.4)**	**5.6 (0.9-7.0)**	**7.6 (1.2-8.6)**	**11.2 (2.6-13.2)**	**11.2 (2.6-13.2)**	**15.5 (4.2-17.6)**
Pdesignh (average climate)	**kW**		**3.5**	**4.8**	**5.8**	**9.8**	**10.0**	**11.5**
Pdesignh (warmer climate)	**kW**		**3.6**	**5**	**5.8**	**10.5**	**10.5**	**11.6**
Rated power input	kW		0.995	1.509	2.049	3.216	3.216	4.532
SCOP/Energy label (average climate)			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+++
Operating limits	°C	-15°/24° Dry bulb						
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	32/36/39	34/38/42	36/40/44	42/44/47	48/51/54	48/51/54	46/49/52
Sound power level	dB(A)	53	55	60	62	63	63	64
Airflow (LS/MS/HS)	m³/h	450/500/580	450/530/650	490/550/660	1300/1500/1700	1400/1600/1850	1400/1600/1850	1600/1800/2200
Dehumidification	l/h	1.2	1.5	2	2.5	3.8	3.8	4.5
Outline dimensions (WxHxD)	mm	570x270x570	570x270x570	570x270x570	840x245x840	840x245x840	840x245x840	840x287x840
Package dimensions (WxHxD)	mm	655x290x655	655x290x655	655x290x655	900x257x900	900x257x900	900x257x900	900x292x900
Net weight/Gross weight	kg	14.5/17.3	18.6/19	16.5/19	24/28	26.4/30.4	26.4/30.4	28/32.1
Part number		**7SP042246X**	**7SP042260**	**7SP042248**	**7SP042249**	**7SP042250**	**7SP042250**	**7SP042251**
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)		56	54	60	61	61	63
Sound power level	dB(A)		63	65	65	67	68	72
Airflow	m³/h		2000	2100	2700	4300	4300	6800
Compressor type			Rotary DCI	Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm		800x554x333	800x554x333	845x702x363	946x810x410	946x810x410	952x415x1333
Package dimensions (WxHxD)	mm		920x615x390	920x615x390	965x765x396	1090x865x500	1090x865x500	1095x500x1470
Net weight/Gross weight	kg		29.9/32.6	35.5/38.4	49/51,5	67,2/72,9	81/86,9	108.1/121.2
Part number			**7SP062970**	**7SP062892**	**7SP062893**	**7SP062895**	**7SP062896**	**7SP062899**
POWER SUPPLY								
Phase/Tension/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	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.
Power cable section	mm²		3x1.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x4.0	3x1.0+5x2.5	3x1.0+5x2.5
Fuse rating am (D curve)	A		16	10+16	10+25	10+30	10+20	10+25
Electrical connections	mm²	4x1.0	4x1.0	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			R410A/2088	R410A/2088	R410A/2088	R410A/2088	R410A/2088	R410A/2088
Charge (5 m)	kg		1.05	1.78	1.95	3.2	3.2	4
Additional charge	g/m		15	15	30	30	30	30

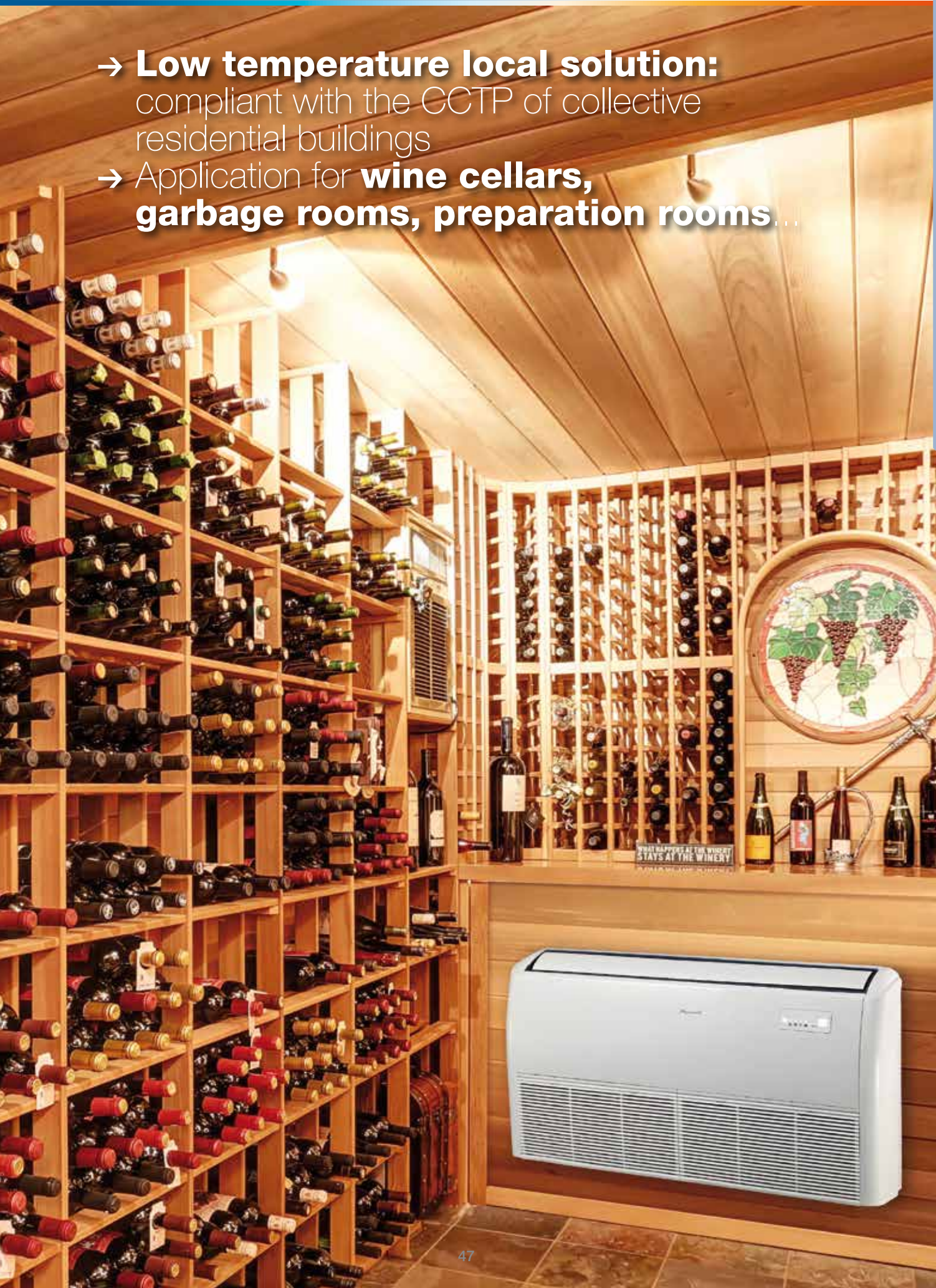
COMBINATIONS

Indoor unit	Compatible with outdoor unit	
Cassette	**Monosplit**	**Multisplit**
CCD 9X & CBD 18X		YCZ
CCD 12	YMD	YCZ

Indoor unit	Compatible with outdoor unit
Cassette	**Monosplit**
CCD 18-24-36	YMD 18-24-36
CCD 48	YMD 48

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
UPGRADE CONSOLE DUAL FLOW MONOSPLIT & MULTISPLIT Ideal solution for replacement of electric heaters	XBD	R410A	48		●					
FLOOR CEILING MONOSPLIT Large scope air	FCD	R410A	50			●	●	●	●	●
NEW SERVER ROOMS SOLUTION	Redundancy solution		52							
UPGRADE FLOOR CEILING MONOSPLIT Dedicated design for low temperature rooms	FWDB	R410A	54			●	●			



→ **Low temperature local solution:** compliant with the CCTP of collective residential buildings

→ Application for **wine cellars, garbage rooms, preparation rooms**...

XBD CONSOLE DUAL FLOW MONOSPLIT & MULTISPLIT

UPGRADE A++

PRODUCTS

- Compatible in monosplit and multisplit.
- Dual flow.
- G1 filter.

RC08C included

RCW8 (optional)

FEATURES

TECHNOLOGY:

FLEXY MATCH — FLEXY MATCH
DC INVERTER — DC INVERTER
R410A — R410A FLUID
ELECTRONIC EXPANSION VALVE

AIR QUALITY / CLEAN:

AIR FILTER

USER FUNCTIONS:

I FEEL — I FEEL
NIGHT MODE
24 H — PROGRAMMABLE TIMER
RESTART — AUTO RESTART (MEMORY)
REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

DRY CONTACT ON/OFF

- Compact indoor unit for easy installation.
- Dual flow: control of the direction of the air flow 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 (YMD).

2 AIR OUTLET WAYS

OPTIONS

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

XBD TECHNICAL DATA

Indoor units		AWSI-XBD012-N11
Outdoor units		**AWAU-YMD012-H11**
Phase		**Single phase**
COOLING		
Rated power (min./max.)	**kW**	**3.5 (0.8-3.8)**
Pdesignc	**kW**	**3.5**
Rated power input	kW	1.21
SEER/Energy label		**6.1/A++**
Operating limits	°C	-20°/50° Dry bulb
HEATING		
Rated power (min./max.)	**kW**	**3.8 (0.4-4.3)**
Pdesignh (average climate)	**kW**	**2.9**
Pdesignh (warmer climate)	**kW**	**3.4**
Rated power input	kW	1.1
SCOP/Energy label (average climate)		4.0/A+
SCOP/Energy label (warmer climate)		**5.1/A+++**
Operating limits	°C	-20°/24° Dry bulb
INDOOR UNIT		
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	35/41/43
Sound power level	dB(A)	58
Airflow (LS/MS/HS/SS)	m³/h	370/480/512
Dehumidification	l/h	1.5
Outline dimensions (WxHxD)	mm	700x600x210
Package dimensions (WxHxD)	mm	810x710x305
Net weight/Gross weight	kg	14.8/19
Part number		**7SP071410**
OUTDOOR UNIT		
Sound pressure level to 1 m	dB(A)	56
Sound power level	dB(A)	63
Airflow	m³/h	2000
Compressor type		Rotary
Outline dimensions (WxHxD)	mm	800x554x333
Package dimensions (WxHxD)	mm	920x615x390
Net weight/Gross weight	kg	29.9/32.6
Part number		**7SP062970**
POWER SUPPLY		
Phase/Tension/Frequency		1P/230V/50Hz
Power supply side		Outdoor
Power cable section	mm²	3x1.5
Fuse rating am (D curve)	A	16
Electrical connections	mm²	4x1.0
PIPE LINE		
Suction pipe diameter	inches	3/8"
Liquid pipe diameter	inches	1/4"
Max. length	m	25
Max. height	m	10
Refrigerant / GWP		R410A/2088
Charge	kg	1.05

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
Console	**Monosplit**	**Multisplit**
XBD	YMD	YCZ

FCD
FLOOR CEILING MONOSPLIT

A++

→ 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.
→ Compatible with a centralized remote control.
→ Inventory optimization thanks to a multi-range outdoor unit (YMD).

PRODUCTS

- Compatible in monosplit and multisplit.
- Wide air diffusion.
- Floor or ceiling installation.
- G1 filter.

RC08C included

RCW6 (optional)

RCW8 (optional)

FEATURES

TECHNOLOGY:

DC INVERTER — DC INVERTER
R410A — R410A FLUID
ELECTRONIC EXPANSION VALVE
REDUNDANCY FUNCTION

AIR QUALITY / CLEAN:

AIR FILTER
FRESH AIR

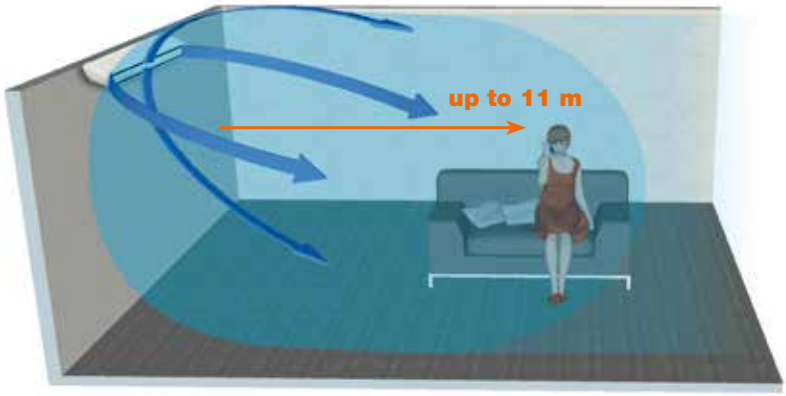
USER FUNCTIONS:

I FEEL — I FEEL
NIGHT MODE
24 H — PROGRAMMABLE TIMER
RESTART — AUTO RESTART (MEMORY)
REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:

ERROR CODE VIA INDOOR UNIT
SELF DIAGNOSTIC
LEFT/RIGHT DRAIN CONNECTION
ALARM OUTPUT
UNIT ON — UNIT ON INPUT
DRY CONTACT ON/OFF
WATER PUMP CONNECTION (OPTIONAL)
BMS — BMS COMPATIBLE

4 DIMENSIONAL AIRFLOWS FOR MAXIMUM COMFORT



OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW6	7ACEL1704		Mode, fan speed, real time, timer, temperature, weekly timer and swing.
Wired single control RCW8	7ACEL1706		Mode, fan speed, timer ON/OFF, temperature and swing.
Central controller RCW16	7ACEL1707		Controls up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, Modbus.
BMS gateway BMS	7ACEL1708		Maximum 1024 units could be connected (16 gateways).

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

FCD TECHNICAL DATA

Indoor units		AWSI-FCD018-N11	AWSI-FCD024-N11	AWSI-FCD036-N11	AWSI-FCD036-N11	AWSI-FCD048-N11	AWSI-FCD060-N11
Outdoor units		**AWAU-YMD018-H11**	**AWAU-YMD024-H11**	**AWAU-YMD036-H11**	**AWAU-YMD036-H13**	**AWAU-YMD048-H13**	**AWAU-YMD060-H13**
Phase		**Single phase**	**Single phase**	**Single phase**	**Three phases**	**Three phases**	**Three phases**
COOLING							
Rated power (min./max.)	**kW**	**5.1 (0.8-6.1)**	**6.8 (1.2-8.2)**	**10.5 (2.9-12.0)**	**10.5 (2.9-12.0)**	**14.0 (4.0-16.4)**	**16.0 (5.0-18.1)**
Pdesignc	**kW**	**5.1**	**6.8**	**10.5**	**10.5**	**14.0**	**16.0**
Rated power input	kW	1.579	2.252	4.008	4.008	5.344	6.107
SEER/Energy label		**6.5/A++**	**6.1/A++**	**6.3/A++**	**6.1/A++**	**6.1/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)**	**11.0 (2.6-13.2)**	**11.0 (2.6-13.2)**	**16.0 (4.4-18.4)**	**18.0 (5.3-20.5)**
Pdesignh (average climate)	**kW**	**4.8**	**5.8**	**10.2**	**10.2**	**11.6**	**12**
Pdesignh (warmer climate)	**kW**	**5.2**	**5.8**	**10.5**	**10.5**	**11.6**	**12.2**
Rated power input	kW	1.466	2.072	3.039	3.039	4.969	5.96
SCOP/Energy label (average climate)		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+++**
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	43/49/52	43/49/52	46/51/54	46/51/57
Sound power level	dB(A)	57	63	63	63	66	69
Airflow (LS/MS/HS)	m³/h	700/800/900	850/1050/1180	1400/1770/2050	1400/1770/2050	1400/1800/2100	1280/1660/2250
Dehumidification	l/h	1.5	2.2	3.1	3.1	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	25.8/30.6	25/30	40.3/46.9	40.3/46.9	38.2/44.6	40.5/47
Part number		**7SP012231**	**7SP012232**	**7SP012233**	**7SP012233**	**7SP012234**	**7SP012235**
OUTDOOR UNIT							
Sound pressure level to 1 m	dB(A)	54	60	61	61	63	63
Sound power level	dB(A)	65	65	67	68	72	75
Airflow	m³/h	2100	2700	4300	4300	6800	7200
Compressor type		Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm	920x615x390	965x765x396	1090x865x500	1090x865x500	1095x1470x500	1095x1470x500
Net weight/Gross weight	kg	35.5/38.4	49/51.5	67.2/72.9	78.9/83.9	108.1/121.2	112.8/126
Part number		**7SP062892**	**7SP062893**	**7SP062895**	**7SP062896**	**7SP062899**	**7SP062900**
POWER SUPPLY							
Phase/Tension/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	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x4.0	3x1.0+5x2.5	3x1.0+5x2.5	3x1.0+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		R410A/2088	R410A/2088	R410A/2088	R410A/2088	R410A/2088	R410A/2088
Charge (5 m)	kg	1,78	1,95	3,2	3,2	4	4,3
Charge additionnelle	g/m	15	30	30	30	30	30

COMBINATIONS

Indoor unit	Compatible with outdoor unit
Floor-ceiling	**Monosplit**
FCD 18-24-36	YMD 18-24-36
FCD 48-60	YMD 48-60

Unique solutions

Redundancy function

Redundancy function

REDUNDANCY FUNCTION

NEW

Airwell offers you a redundancy solution that makes it possible to secure a sensitive room by installing two jointly controlled air conditioners.
This solution is mainly used for computer rooms where the air conditioning system must operate continuously.

Main functions:

- Permutation of the operation of the air conditioner in case of failure of one of them.
- Fire safety: total shutdown of the air conditioning in case of fire.
- Simultaneous operation of both air conditioners installed, in case of high temperature.
- The inversion of the automatic order of the two units adjustable from 0 to 24 hours.
- Automatic restart in case of power failure.
- Management of operation hours of each system.
- Breakdowns rate management in real time.
- Filters clogging management.
- Faults report on a central display.
- Archiving of data on SD card.

COMPATIBLE WITH

HIGH WALL HKD

DUCTED MEDIUM STATIC PRESSURE DID

CASSETTE CCD

FLOOR-CEILING FCD

Accessory	Part number	Photo	Description
Central display	On demande Available from september 2018		Human Machine Interface Visualization of the system status (operating time, error codes, failure rate...)
Gateway	On demande Available from september 2018		Control gateway to connect to indoor units TCP / IP port

DC Inverter
Cooling & heating

FWDB FLOOR CEILING MONOSPLIT FOR LOW TEMPERATURE ROOMS

A++ UPGRADE

PRODUCTS

- Application for wine cellar, garbage room, preparation rooms...
- Cooling and heating mode.
- G1 filter.

RCW6

→ 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

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 · UNIT ON INPUT · DRY CONTACT ON/OFF · WATER PUMP CONNECTION (OPTIONAL) · BMS COMPATIBLE

OPTIONS

Accessory	Part number	Photo	Function
Central controller RCW16	7ACEL1707		Controls up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, Modbus.
BMS gateway BMS	7ACEL1708		Maximum 1024 units could be connected (16 gateways).

FWDB TECHNICAL DATA

Indoor units		AWSI-FWDB018-N11	AWSI-FWDB024-N11
Outdoor units		**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/Tension/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

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 indoors	Page
TWIN APPLICATION Ducted and cassette	TWIN APPLICATION		R410A	10-14	2	58
YCZ Different types of indoor units	YCZ2-18		R410A	5.3	2	60 & 64
	YCZ3-27		R410A	7.8	3	60 & 64
	YCZ4-30		R410A	8.5	4	60 & 65
	YCZ5-42		R410A	12.3	5	60 & 66
NEW **YDZA** R32 refrigerant	YDZA2-18		R32	5.0	2	68 & 70
	YDZA3-27		R32	7.0	3	68 & 70
	YDZA4-30		R32	8.5	4	68 & 71

INDOOR UNITS				
High wall HDM	**High wall HKD**	**Ducted medium static pressure DID**	**Cassette CCD**	**Console XBD**
		18+18/24+24	18+18/24+24	
	Sizes 9/12/18	Size 12	Sizes 9X/12/18X	Size 12
	Sizes 9/12/18	Size 12	Sizes 9X/12/18X	Size 12
	Sizes 9/12/18/24	Size 12	Sizes 9X/12/18X	Size 12
	Sizes 9/12/18/24	Size 12	Sizes 9X/12/18X	Size 12
Sizes 9/12/18/24				
Sizes 9/12/18/24				
Sizes 9/12/18/24				

Unique solutions

Twin application

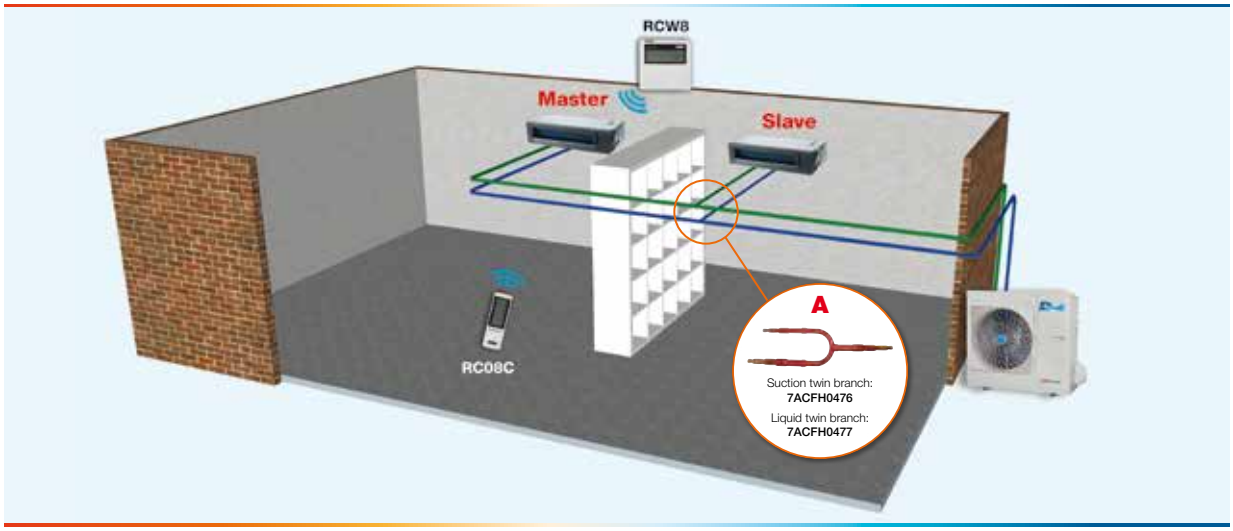
Twin application

TWIN APPLICATION

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 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 units	Outdoor units
Twin system	CCD018 + CCD018	YMD036
	DID018 + DID018	
	CCD024 + CCD024	YMD048
	DID024 + DID024	

Tubing & charge instructions	YMD036	YMD048
Pipe diameter (liquid-gas) (inches)	3/8"-5/8"	
Max. length (m)	30	50
Max. difference in branch length (m)	10	
Max. height drop between indoor units (m)	0.5	
Max. height drop between indoor and outdoor units (m)	20	
Max. branch length (m)	15	

TWIN APPLICATION WITH			Page
DID	Ducted medium static pressure monosplit		36
CCD	Cassette DC Inverter		42

DC Inverter
Cooling & heating

YCZ RESIDENTIAL MULTISPLIT DUO/TRIO/QUATTRO/CINCO

YCZ2-18

YCZ3-27
YCZ4-30
YCZ5-42

- Match with high wall, ducted, cassette and console indoor units.
- Same indoor for multi and single application (see table).
- Design for long tubing distance installation.
- 2 digit display to check running parameters.

PRODUCTS

- Efficient.
- Competitive.
- Flexible.

FEATURES

TECHNOLOGY:

DC INVERTER · R410A FLUID · ELECTRONIC EXPANSION VALVE

INSTALLER FUNCTIONS:

SELF DIAGNOSTIC

COMPATIBLE WITH

HIGH WALL
HKD 9/12/18/24

DUCTED MEDIUM STATIC PRESSURE DID 12

CASSETTE
CCD 9**X**/12/18**X**

CONSOLE
XBD 12

COMBINATIONS

Sizes	High wall HKD	Ducted DID	Cassette CCD	Console XBD
9	AWSI-HKD009-N11 **7SP023054**	-	AWSI-CCD009X-N11 **7SP042246X** Frame part number **7ACVF0566**	-
12	AWSI-HKD012-N11 **7SP023055**	AWSI-DID012-N11 **7SP032190**	AWSI-CCD012-N11 **7SP042260** Frame part number **7ACVF0566**	AWSI-XBD012-N11 **7SP071410**
18	AWSI-HKD018-N11 **7SP023056**	-	AWSI-CBD018X-N11 **7SP042239X** Frame part number **7ACVF0566**	-
24	AWSI-HKD024-N11 **7SP023057**	-	-	-

*** Dedicated part number for multisplit application.**

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com
Depending on combination

YCZ TECHNICAL DATA

Outdoor units			AWAU-YCZ218-H11	AWAU-YCZ327-H11	AWAU-YCZ430-H11	AWAU-YCZ542-H11
Phase			Single phase	Single phase	Single phase	Single phase
OUTDOOR UNIT						
	Rated power (min./max.)	**kW**	**5.3 (1.8-6.3)**	**7.8 (2.7-8.7)**	**8.5 (2.8-9.2)**	**12.3 (3.0-13.5)**
	Pdesignc	**kW**	**5.3**	**7.8**	**8.5**	**12.3**
Cooling	Rated power input	kW	1.419	2.422	2.64	3.82
	SEER/Energy label		7.4/A++ *	6.6/A++ *	6.6/A++ *	6.6/A++ *
	Operating limits	°C	-15°/50° Dry bulb			
	Rated power (min./max.)	**kW**	**6.0 (2.0-6.5)**	**8.5 (2.8-9.2)**	**9.0 (2.8-10.0)**	**12.3 (3.0-14.0)**
	Pdesignh (average climate)	**kW**	**5.3**	**6.5**	**7.2**	**9.6**
	Pdesignh (warmer climate)	**kW**	**5.5**	**6.6**	**7.3**	**9.8**
	Rated power input	kW	1.657	2.348	2.486	3.407
Heating	SCOP/Energy label (average climate)		4.1/A+	4.0/A	3.9/A	3.8/A
	SCOP/Energy label (warmer climate)		5.1/A+++	5.1/A+++	5.1/A+++	4.6/A++
	Operating limits	°C	-15°/24° Dry bulb			
	Power @ -10°C	kW	4.5	6.5	6.6	8.4
	Power @ -15°C	kW	4.0	5.7	5.8	7.2
Sound pressure level to 1 m		dB(A)	55	58	58	60
Sound power level		dB(A)	63	67	67	70
Airflow		m³/h	2500	3500	3500	5500
Compressor type			Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)		mm	923x702x363	1034x810x410	1034x810x410	1034x810x410
Package dimensions (WxHxD)		mm	965x755x395	1090x865x500	1090x865x500	1090x865x500
Net weight/Gross weight		kg	48/52	68/73	70/75	76/81
Part number			**7SP091170**	**7SP091171**	**7SP091172**	**7SP091173**
POWER SUPPLY						
Phase/Tension/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	3x4.0
Fuse rating am (D curve)		A	25	25	25	32
Electrical connections		mm²	2 (4x1.0)	3 (4x1.0)	4 (4x1.0)	5 (4x1.0)
PIPE LINE						
Suction pipe diameter		inches	2x3/8"	3x3/8"	3x3/8"+1/2"	4x3/8"+1/2"
Liquid pipe diameter		inches	2x1/4"	3x1/4"	4x1/4"	5x1/4"
Max. length		m	30	45	60	80
Max. length per circuit		m	20	25	30	30
Max. height between indoor and oudoor units	ODU higher than IDU	m	10	10	10	10
	ODU lower than IDU	m	15	15	15	15
Max. height between indoor units		m	10	10	10	10
Refrigerant / GWP			R410A/2088	R410A/2088	R410A/2088	R410A/2088
Charge / Amount length		kg/m	2 / 15	2.4 / 22.5	2.4 / 30	3.6 / 37.5

* A++ for HKD 9 x 3 combinations.

Nota: Pipe adaptor (3/8"➔1/2") needs to be fixed on the gas valve of outdoor unit when connecting 18K indoor unit. This adaptor can be supplied by Airwell (ref. 15111600000297).

Pipe adaptor 3/8"➔5/8" needs to be fixed on the gas valve and a pipe adaptor 1/4"➔3/8" on the liquid valve of outdoor unit when connecting 24K indoor unit.

HIGH WALL
HKD 9/12/18/24

HKD INDOOR UNITS TECHNICAL DATA

Indoor units		AWSI-HKD009-N11	AWSI-HKD012-N11	AWSI-HKD018-N11	AWSI-HKD024-N11
Phase		Single phase	Single phase	Single phase	Single phase
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)**
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)**
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 (VL/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	1120x310x405
Net weight/Gross weight	kg	6.8/8.9	7.2/9.6	9.5/12.5	11.9/15.2
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		**7SP023054**	**7SP023055**	**7SP023056**	**7SP023057**

DUCTED MEDIUM STATIC PRESSURE DID 12

CASSETTE
CCD 9**X**/12/18**X**

DID & CCD INDOOR UNITS TECHNICAL DATA

Indoor unit		AWSI-DID012-N11	AWSI-CCD009X-N11	AWSI-CCD012-N11	AWSI-CBD018X-N11
Phase		Single phase	Single phase	Single phase	Single phase
Cooling rated power (min./max.)	**kW**	**3.5 (0.5-4.1)**	**2.6 (0.8-3.3)**	**3.5 (0.8-4.1)**	**5.1 (0.8-6.1)**
Heating rated power (min./max.)	**kW**	**3.80 (0.9-4.6)**	**2.9 (0.85-3.7)**	**4.1 (0.5-4.4)**	**5.6 (0.9-7.0)**
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	27/34/40	32/36/39	35/39/43	36/40/44
Sound power level	dB(A)	60	53	57	60
Airflow (LS/MS/HS)	m³/h	300/480/600	450/500/580	416/504/617	490/550/660
External static pressure	Pa	25 (0-60)			
Dehumidification	l/h	1.5	1.2	1.5	2
Outline dimensions (WxHxD)	mm	700x200x450	570x270x570	570x260x570	570x270x570
Package dimensions (WxHxD)	mm	860x275x540	655x290x655	655x290x655	655x290x655
Net weight/Gross weight	kg	18/22	14.5/17.3	16.2/21.4	16.5/19
FRAME					
Outline dimensions (WxHxD)	mm		647x50x647	950x55x950	647x50x647
Package dimensions (WxHxD)	mm		715x123x715	1035x90x1035	715x123x715
Net weight/Gross weight	kg		2.5/4.5	5/8	2.5/4.5
Frame part number			**7ACVF0566**	**7ACVF0566**	**7ACVF0566**
PIPE LINE					
Suction pipe diameter	inches	3/8”	3/8”	3/8”	1/2”
Liquid pipe diameter	inches	1/4”	1/4”	1/4”	1/4”
Part number		**7SP032190**	**7SP042246X**	**7SP042260**	**7SP042239X**

CONSOLE
XBD 12

XBD INDOOR UNITS TECHNICAL DATA

Indoor units		AWSI-XBD012-N11
Phase		**Single phase**
Cooling rated power (min./max.)	**kW**	**3.5 (0.8-3.8)**
Heating rated power (min./max.)	**kW**	**3.8 (0.4-4.3)**
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	35/41/43
Sound power level	dB(A)	58
Airflow (LS/MS/HS/SS)	m^3/h	370/480/512
Dehumidification	l/h	1.5
Outline dimensions (WxHxD)	mm	700x600x210
Package dimensions (WxHxD)	mm	810x710x305
Net weight/Gross weight	kg	14.8/19
PIPE LINE		
Suction pipe diameter	inches	3/8”
Liquid pipe diameter	inches	1/4”
Part number		**7SP071410**

YCZ
POWER COMBINATION

COMPATIBLE WITH

HIGH WALL
HKD 9/12/18/24

DUCTED MEDIUM STATIC PRESSURE DID 12

CASSETTE
CCD 9**X**/12/18**X**

CONSOLE
XBD 12

YCZ2-18 RESIDENTIAL MULTISPLIT DUO

Indoor units 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	Rated	Min.	Max.	Rated	Min.	Max.		Unit A	Unit B	Rated	Min.	Max.	Rated	Min.	Max.	
9+9	2.65	2.65	5.30	1.80	6.20	1.55	0.55	2.16	3.42/A	3.00	3.00	6.00	2.00	6.50	1.66	0.58	1.81	3.62/A
9+12	2.27	3.03	5.30	1.80	6.30	1.55	0.55	2.16	3.42/A	2.57	3.43	6.00	2.00	6.50	1.66	0.58	1.81	3.62/A
9+18	1.77	3.53	5.30	1.80	6.30	1.55	0.55	2.16	3.42/A	2.00	4.00	6.00	2.00	6.70	1.66	0.58	1.89	3.62/A
12+12	2.65	2.65	5.30	1.80	6.30	1.55	0.55	2.16	3.42/A	3.00	3.00	6.00	2.00	6.70	1.66	0.58	1.89	3.62/A

Based on wall mounted combination

YCZ3-27 RESIDENTIAL MULTISPLIT TRIO

Indoor units 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	Rated	Min.	Max.	Rated	Min.	Max.		Unit A	Unit B	Unit C	Rated	Min.	Max.	Rated	Min.	Max.	
12+12	3.54	3.54	-	7.08	2.45	8.70	2.17	0.69	2.90	3.26/A	3.70	3.70	-	7.40	2.44	9.20	2.05	0.67	2.70	3.61/A
9+18	2.65	5.00	-	7.65	2.65	8.70	2.37	0.75	2.90	3.23/A	2.80	5.50	-	8.30	2.73	9.20	2.30	0.74	2.70	3.61/A
12+18	3.12	4.68	-	7.80	2.70	8.74	2.42	0.76	2.91	3.22/A	3.40	5.10	-	8.50	2.80	9.25	2.35	0.76	2.71	3.62/A
18+18	3.90	3.90	-	7.80	2.70	8.83	2.42	0.76	2.94	3.22/A	4.25	4.25	-	8.50	2.80	9.34	2.35	0.76	2.74	3.62/A
9+9+9	2.60	2.60	2.60	7.80	2.70	8.70	2.42	0.76	2.90	3.22/A	2.83	2.83	2.83	8.50	2.80	9.20	2.35	0.70	2.70	3.62/A
9+9+12	2.34	2.34	3.12	7.80	2.70	8.74	2.42	0.76	2.91	3.22/A	2.55	2.55	3.40	8.50	2.80	9.25	2.35	0.70	2.71	3.62/A
9+9+18	1.95	1.95	3.90	7.80	2.70	8.83	2.42	0.76	2.94	3.22/A	2.13	2.13	4.24	8.50	2.80	9.34	2.35	0.70	2.74	3.62/A
9+12+12	2.12	2.84	2.84	7.80	2.70	8.79	2.42	0.76	2.93	3.22/A	2.32	3.09	3.09	8.50	2.80	9.29	2.35	0.70	2.73	3.62/A
9+12+18	1.80	2.40	3.60	7.80	2.70	8.87	2.42	0.76	2.96	3.22/A	1.96	2.62	3.92	8.50	2.80	9.38	2.35	0.70	2.75	3.62/A
12+12+12	2.60	2.60	2.60	7.80	2.70	8.83	2.42	0.76	2.94	3.22/A	2.83	2.83	2.83	8.50	2.80	9.34	2.35	0.70	2.74	3.62/A

Based on wall mounted combination

YCZ4-30 RESIDENTIAL MULTISPLIT QUATTRO

Indoor units 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	Rated	Min.	Max.	Rated	Min.	Max.		Unit A	Unit B	Unit C	Unit D	Rated	Min.	Max.	Rated	Min.	Max.	
12+12	3.54	3.54	-	-	7.08	2.25	7.60	2.12	0.64	2.58	3.34/A	3.70	3.70	-	-	7.40	2.30	9.60	2.14	0.72	2.93	3.46/B
9+18	2.65	5.00	-	-	7.65	2.43	9.40	2.33	0.69	3.20	3.28/A	2.80	5.50	-	-	8.30	2.58	10.00	2.40	0.79	3.05	3.46/B
9+24	2.32	6.18	-	-	8.50	2.70	9.80	2.64	0.77	3.40	3.22/A	2.45	6.55	-	-	9.00	2.86	10.00	2.61	0.94	3.19	3.45/B
12+18	3.40	5.10	-	-	8.50	2.70	9.40	2.64	0.77	3.40	3.22/A	3.40	5.10	-	-	8.50	2.64	10.00	2.46	0.81	3.05	3.46/B
12+24	2.83	5.67	-	-	8.50	2.70	9.80	2.64	0.77	3.40	3.22/A	3.00	6.00	-	-	9.00	2.86	10.00	2.61	0.94	3.19	3.45/B
18+18	4.25	4.25	-	-	8.50	2.70	9.80	2.64	0.77	3.40	3.22/A	4.50	4.50	-	-	9.00	2.80	10.00	2.61	0.85	3.05	3.45/B
9+9+9	2.65	2.65	2.65	-	7.95	2.53	9.50	2.44	0.72	3.00	3.26/A	2.83	2.83	2.83	-	8.50	2.64	10.00	2.40	0.75	3.05	3.54/B
9+9+12	2.55	2.55	3.40	-	8.50	2.70	9.80	2.64	0.77	3.13	3.22/A	2.70	2.70	3.60	-	9.00	2.80	10.00	2.55	0.79	3.05	3.53/B
9+9+18	2.13	2.13	4.24	-	8.50	2.70	9.80	2.64	0.77	3.13	3.22/A	2.25	2.25	4.50	-	9.00	2.80	10.00	2.55	0.79	3.05	3.53/B
9+12+12	2.32	3.09	3.09	-	8.50	2.70	9.80	2.64	0.77	3.13	3.22/A	2.46	3.27	3.27	-	9.00	2.80	10.00	2.55	0.79	3.05	3.53/B
9+12+18	1.96	2.62	3.92	-	8.50	2.70	9.92	2.64	0.77	3.17	3.22/A	2.08	2.77	4.15	-	9.00	2.80	10.12	2.55	0.79	3.09	3.53/B
12+12+12	2.83	2.83	2.83	-	8.50	2.70	9.80	2.64	0.77	3.13	3.22/A	3.00	3.00	3.00	-	9.00	2.80	10.00	2.55	0.79	3.05	3.53/B
12+12+18	2.43	2.43	3.64	-	8.50	2.70	10.04	2.64	0.77	3.21	3.22/A	2.57	2.57	3.86	-	9.00	2.80	10.24	2.55	0.79	3.12	3.53/B
9+9+9+9	2.13	2.13	2.13	2.13	8.50	2.70	9.80	2.64	0.77	3.13	3.22/A	2.25	2.25	2.25	2.25	9.00	2.80	10.00	2.49	0.73	3.05	3.61/A
9+9+9+12	1.96	1.96	1.96	2.62	8.50	2.70	9.92	2.64	0.77	3.17	3.22/A	2.08	2.08	2.08	2.76	9.00	2.80	10.12	2.49	0.73	3.09	3.61/A

Based on wall mounted combination

YCZ
POWER COMBINATION

COMPATIBLE WITH

HIGH WALL
HKD 9/12/18/24

DUCTED MEDIUM STATIC PRESSURE DID 12

CASSETTE
CCD 9**X**/12/18**X**

CONSOLE
XBD 12

YCZ5-42 RESIDENTIAL MULTISPLIT CINCO

Indoor units 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.	
18+18	5.00	5.00	-	-	-	10.00	2.44	12.20	2.94	0.67	3.43	3.40/A	5.50	5.50	-	-	-	11.00	2.69	12.20	3.13	0.81	3.49	3.51/B
18+24	5.00	6.80	-	-	-	11.80	2.88	13.50	3.62	0.79	3.80	3.26/A	5.27	7.03	-	-	-	12.30	3.07	13.50	3.52	0.91	3.86	3.49/B
9+9+18	2.65	2.65	5.00	-	-	10.30	2.51	12.38	3.05	0.69	3.48	3.38/A	2.80	2.80	5.50	-	-	11.10	2.89	12.38	3.12	0.82	3.54	3.56/B
9+9+24	2.65	2.65	6.80	-	-	12.10	2.95	13.50	3.74	0.81	3.80	3.24/A	2.64	2.64	7.02	-	-	12.30	3.15	13.50	3.48	0.89	3.86	3.53/B
9+12+12	2.65	3.54	3.54	-	-	9.73	2.37	11.80	2.84	0.65	3.32	3.43/A	2.80	3.70	3.70	-	-	10.20	2.65	11.80	2.86	0.76	3.37	3.57/B
9+12+18	2.65	3.54	5.00	-	-	11.19	2.73	13.50	3.38	0.75	3.80	3.31/A	2.80	3.70	5.50	-	-	12.00	3.12	13.60	3.39	0.88	3.89	3.54/B
9+12+24	2.46	3.28	6.56	-	-	12.30	3.00	13.50	3.82	0.82	3.80	3.22/A	2.46	3.28	6.56	-	-	12.30	3.20	13.50	3.48	0.90	3.86	3.53/B
9+18+18	2.46	4.92	4.92	-	-	12.30	3.00	13.50	3.82	0.82	3.80	3.22/A	2.46	4.92	4.92	-	-	12.30	3.20	14.06	3.48	0.90	4.02	3.53/B
12+12+12	3.54	3.54	3.54	-	-	10.62	2.59	13.00	3.17	0.71	3.66	3.35/A	3.70	3.70	3.70	-	-	11.10	2.89	13.00	3.12	0.82	3.71	3.56/B
12+12+18	3.54	3.54	5.00	-	-	12.08	2.95	13.50	3.73	0.81	3.80	3.24/A	3.51	3.51	5.28	-	-	12.30	3.20	14.00	3.48	0.90	4.00	3.53/B
12+12+24	3.08	3.08	6.14	-	-	12.30	3.00	13.50	3.82	0.82	3.80	3.22/A	3.08	3.08	6.14	-	-	12.30	3.20	13.50	3.48	0.90	3.86	3.53/B
12+18+18	3.08	4.61	4.61	-	-	12.30	3.00	13.50	3.82	0.82	3.80	3.22/A	3.08	4.61	4.61	-	-	12.30	3.20	14.11	3.48	0.90	4.03	3.53/B
12+18+24	2.73	4.10	5.47	-	-	12.30	3.00	13.50	3.82	0.82	3.80	3.22/A	2.73	4.10	5.47	-	-	12.30	3.20	13.50	3.48	0.90	3.86	3.53/B
18+18+18	4.10	4.10	4.10	-	-	12.30	3.00	13.50	3.82	0.82	3.80	3.22/A	4.10	4.10	4.10	-	-	12.30	3.20	14.22	3.48	0.90	4.06	3.53/B
9+9+9+9	2.65	2.65	2.65	2.65	-	10.60	2.59	13.50	3.16	0.71	3.80	3.35/A	2.80	2.80	2.80	2.80	-	11.20	2.91	14.00	3.11	0.79	4.00	3.60/B
9+9+9+12	2.65	2.65	2.65	3.54	-	11.49	2.80	13.50	3.50	0.77	3.80	3.28/A	2.80	2.80	2.80	3.70	-	12.10	3.15	14.00	3.38	0.85	4.00	3.58/B
9+9+9+18	2.46	2.46	2.46	4.92	-	12.30	3.00	13.50	3.82	0.82	3.80	3.22/A	2.46	2.46	2.46	4.92	-	12.30	3.20	14.06	3.44	0.86	4.02	3.58/B
9+9+9+24	2.17	2.17	2.17	5.79	-	12.30	3.00	13.64	3.82	0.82	3.84	3.22/A	2.17	2.17	2.17	5.79	-	12.30	3.20	13.64	3.44	0.86	3.90	3.58/B
9+9+12+12	2.64	2.64	3.51	3.51	-	12.30	3.00	13.50	3.82	0.82	3.80	3.22/A	2.64	2.64	3.51	3.51	-	12.30	3.20	14.00	3.44	0.86	4.00	3.58/B
9+9+12+18	2.31	2.31	3.08	4.60	-	12.30	3.00	13.57	3.82	0.82	3.82	3.22/A	2.31	2.31	3.08	4.60	-	12.30	3.20	14.11	3.44	0.86	4.03	3.58/B
9+9+12+24	2.05	2.05	2.73	5.47	-	12.30	3.00	13.70	3.82	0.82	3.86	3.22/A	2.05	2.05	2.73	5.47	-	12.30	3.20	13.70	3.44	0.86	3.91	3.58/B
9+9+18+18	2.05	2.05	4.10	4.10	-	12.30	3.00	13.70	3.82	0.82	3.86	3.22/A	2.05	2.05	4.10	4.10	-	12.30	3.20	14.22	3.44	0.86	4.06	3.58/B
9+12+12+12	2.46	3.28	3.28	3.28	-	12.30	3.00	13.50	3.82	0.82	3.80	3.22/A	2.46	3.28	3.28	3.28	-	12.30	3.20	14.06	3.44	0.86	4.02	3.58/B
9+12+12+18	2.17	2.89	2.89	4.35	-	12.30	3.00	13.64	3.82	0.82	3.84	3.22/A	2.17	2.89	2.89	4.35	-	12.30	3.20	14.17	3.44	0.86	4.05	3.58/B
9+12+12+24	1.94	2.59	2.59	5.18	-	12.30	3.00	13.77	3.82	0.82	3.88	3.22/A	1.94	2.59	2.59	5.18	-	12.30	3.20	13.77	3.44	0.86	3.93	3.58/B
9+12+18+18	1.94	2.60	3.88	3.88	-	12.30	3.00	13.77	3.82	0.82	3.88	3.22/A	1.94	2.59	3.89	3.89	-	12.30	3.20	13.77	3.44	0.86	3.93	3.58/B
12+12+12+12	3.08	3.08	3.08	3.08	-	12.30	3.00	13.57	3.82	0.82	3.82	3.22/A	3.08	3.08	3.08	3.08	-	12.30	3.20	14.11	3.44	0.86	4.03	3.58/B
12+12+12+18	2.73	2.73	2.73	4.11	-	12.30	3.00	13.70	3.82	0.82	3.86	3.22/A	2.73	2.73	2.73	4.11	-	12.30	3.20	14.22	3.44	0.86	4.06	3.58/B
9+9+9+9+9	2.46	2.46	2.46	2.46	2.46	12.30	3.00	13.50	3.82	0.82	3.80	3.22/A	2.46	2.46	2.46	2.46	2.46	12.30	3.20	14.06	3.40	0.82	4.02	3.62/A
9+9+9+9+12	2.31	2.31	2.31	2.31	3.08	12.30	3.00	13.57	3.82	0.82	3.82	3.22/A	2.31	2.31	2.31	2.31	3.08	12.30	3.20	14.11	3.40	0.82	4.03	3.62/A
9+9+9+9+18	2.05	2.05	2.05	2.05	4.10	12.30	3.00	13.70	3.82	0.82	3.86	3.22/A	2.05	2.05	2.05	2.05	4.10	12.30	3.20	14.22	3.40	0.82	4.06	3.62/A
9+9+9+12+12	2.17	2.17	2.17	2.90	2.90	12.30	3.00	13.64	3.82	0.82	3.84	3.22/A	2.17	2.17	2.17	2.90	2.90	12.30	3.20	14.17	3.40	0.82	4.05	3.62/A
9+9+9+12+18	1.94	1.94	1.94	2.59	3.89	12.30	3.00	13.77	3.82	0.82	3.88	3.22/A	1.94	1.94	1.94	2.59	3.89	12.30	3.20	14.28	3.40	0.82	4.08	3.62/A
9+9+12+12+12	2.06	2.06	2.73	2.73	2.73	12.30	3.00	13.70	3.82	0.82	3.86	3.22/A	2.06	2.06	2.73	2.73	2.73	12.30	3.20	14.22	3.40	0.82	4.06	3.62/A
9+12+12+12+12	1.94	2.59	2.59	2.59	2.59	12.30	3.00	13.77	3.82	0.82	3.88	3.22/A	1.94	2.59	2.59	2.59	2.59	12.30	3.20	14.28	3.40	0.82	4.08	3.62/A

Based on wall mounted combination

YDZA RESIDENTIAL MULTISPLIT DUO/TRIO/QUATTRO

NEW

A++

→ Match with high wall indoor units.
→ Design for long tubing distance installation.
→ 2 digit display to check running parameters.

PRODUCTS

- R32 refrigerant with low environmental impact.
- High efficiency.

FEATURES

TECHNOLOGY:

DC INVERTER

R32 FLUID

INSTALLER FUNCTIONS:

SELF DIAGNOSTIC

COMPATIBLE WITH

HIGH WALL
HDM 9/12/18/24

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com
Depending on combination

YDZA TECHNICAL DATA

Outdoor units			AW-YDZA218-H91	AW-YDZA327-H91	AW-YDZA430-H91
Phase			**Single phase**	**Single phase**	**Single phase**
OUTDOOR UNIT					
Cooling	**Rated power (min./max.)**	**kW**	**4.8 (1.1-5.7)**	**7.0 (2.4-7.6)**	**8.5 (3.2-9.5)**
	Pdesignc	**kW**	**4.8**	**7**	**8.5**
	Rated power input	kW	1.52	1.75	2.5
	SEER/Energy label		5.1/A	7.5/A++	7.0/A++
	Operating limits	°C	-10°/46° Dry bulb		
Heating	**Rated power (min./max.)**	**kW**	**5.2 (1.6-6.1)**	**7.6 (2.9-8.5)**	**9.6 (4.4-10.5)**
	Pdesignh (average climate)	**kW**	**5**	**6**	**7**
	Rated power input	kW	1.51	1.8	2.4
	SCOP/Energy label (average climate)		3.8/A	4.2/A+	4.0/A+
	Operating limits	°C	-15°/24° Dry bulb		
Sound pressure level to 1 m		dB(A)	54	52	54
Sound power level		dB(A)	63	66	68
Airflow		m^3/h	2900	2500	3500
Compressor type			Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)		mm	810x688x288	890x700x340	890x700x340
Package dimensions (WxHxD)		mm	949x760x406	998x770x443	998x770x443
Net weight/Gross weight		kg	43/46.4	54/58	61/65
Part number			**7SP091175**	**7SP091176**	**7SP091177**
POWER SUPPLY					
Phase/Tension/Frequency			1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz
Power supply side			Outdoor	Outdoor	Outdoor
Power cable section		mm^2	3x2.5	3x2.5	3x2.5
Fuse rating am (D curve)		A	6.7	7.1	13
Electrical connections		mm^2	4x1.5	4x1.5	4x1.5
PIPE LINE					
Suction pipe diameter		inches	2x3/8"	3x3/8"	3x3/8" + 1x1/2"
Liquid pipe diameter		inches	2x1/4"	3x1/4"	4x1/4"
Max. length		m	30	60	70
Max. length per circuit		m	20	25	25
Max. height between indoor and oudoor units		m	15	15	15
Max. height between indoor units		m	15	7.5	7.5
Refrigerant / GWP			R32/675	R32/675	R32/675
Charge		kg	1.2	1.6	2.2

YDZA RESIDENTIAL MULTISPLIT DUO/TRIO/QUATTRO

COMPATIBLE WITH

HIGH WALL
HDM 9/12/18/24

YDZA2-18 RESIDENTIAL MULTISPLIT DUO

Indoor units 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	2.40	2.40	1.10	4.80	5.50	0.35	1.54	2.29	3.10/B	2.60	2.60	1.40	5.20	6.00	0.52	1.53	2.36	3.40/B
9+12	1.95	2.85	1.10	4.80	5.60	0.35	1.55	2.35	3.10/B	2.40	2.80	1.50	5.20	6.10	0.53	1.53	2.40	3.40/B
12+12	2.40	2.40	1.10	4.80	5.70	0.35	1.55	2.40	3.10/B	2.60	2.60	1.60	5.20	6.10	0.55	1.53	2.45	3.44/B

YDZA3-27 RESIDENTIAL MULTISPLIT TRIO

Indoor units 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	2.60	2.60	-	2.00	5.20	7.40	0.55	1.52	2.68	3.42/A	3.60	3.60	-	2.90	7.20	8.50	0.55	1.93	2.10	3.73/A
9+12	2.60	3.60	-	2.00	6.20	7.60	0.55	1.79	2.99	3.46/A	3.38	4.22	-	2.90	7.60	8.50	0.55	2.05	2.10	3.71/A
9+18	2.33	4.67	-	2.40	7.00	7.60	0.55	2.00	3.00	3.50/A	2.85	4.75	-	2.90	7.60	8.50	0.55	2.05	2.10	3.71/A
12+12	3.40	3.40	-	2.40	6.80	7.60	0.55	2.00	3.20	3.40/A	3.75	3.75	-	2.90	7.50	8.50	0.55	1.93	2.20	3.90/A
12+18	2.86	4.14	-	2.40	7.00	7.60	0.55	1.82	3.20	3.85/A	3.26	4.34	-	2.90	7.60	8.50	0.55	2.00	2.20	3.80/A
9+9+9	2.33	2.33	2.33	2.40	7.00	7.60	0.55	1.76	2.70	3.98/A	2.53	2.53	2.53	2.90	7.60	8.50	0.55	1.81	2.30	4.20/A
9+9+12	2.07	2.07	2.86	2.40	7.00	7.60	0.55	1.78	2.70	3.93/A	2.34	2.34	2.92	2.90	7.60	8.50	0.55	1.84	2.30	4.13/A
9+12+12	1.86	2.57	2.57	2.40	7.00	7.60	0.55	1.78	2.70	3.93/A	2.17	2.71	2.71	2.90	7.60	8.50	0.55	1.84	2.30	4.13/A

YDZA4-30 RESIDENTIAL MULTISPLIT QUATTRO

Indoor units 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	2.60	2.60	-	-	2.50	5.20	7.80	0.55	1.60	3.30	3.25/A	3.60	3.60	-	-	3.40	7.20	10.50	0.55	1.94	3.30	3.71/A
9+12	2.60	3.60	-	-	2.50	6.20	9.10	0.55	1.98	3.30	3.13/B	3.60	4.50	-	-	3.80	8.10	10.50	0.55	2.10	3.30	3.86/A
9+18	2.60	5.20	-	-	2.50	7.80	9.30	0.55	2.35	3.30	3.32/A	3.60	6.00	-	-	4.40	9.60	10.50	0.55	2.50	3.30	3.84/A
9+24	2.43	6.07	-	-	2.50	8.50	9.30	0.55	2.60	3.30	3.27/A	3.26	6.34	-	-	4.40	9.60	10.50	0.55	2.55	3.30	3.76/A
12+12	3.60	3.60	-	-	2.50	7.20	9.30	0.55	2.20	3.30	3.27/A	4.50	4.50	-	-	4.00	9.00	10.50	0.55	2.35	3.30	3.83/A
12+18	3.31	4.79	-	-	2.50	8.10	9.50	0.55	2.52	3.30	3.21/A	3.86	5.14	-	-	4.40	9.00	10.50	0.55	2.37	3.30	3.80/A
12+24	3.03	5.47	-	-	2.50	8.50	9.50	0.55	2.59	3.30	3.28/A	3.76	5.84	-	-	4.40	9.60	10.50	0.55	2.50	3.30	3.84/A
18+18	4.25	4.25	-	-	2.50	8.50	9.50	0.55	2.56	3.30	3.32/A	4.80	4.80	-	-	4.40	9.60	10.50	0.55	2.46	3.30	3.90/A
18+24	3.78	4.72	-	-	2.50	8.50	9.50	0.55	2.55	3.30	3.33/A	4.43	5.17	-	-	4.40	9.60	10.50	0.55	2.48	3.30	3.87/A
24+24	4.25	4.25	-	-	2.50	8.50	9.50	0.55	2.55	3.30	3.33/A	4.80	4.80	-	-	4.40	9.60	10.50	0.55	2.50	3.30	3.84/A
9+9+9	2.60	2.60	2.60	-	3.20	7.80	9.50	0.55	2.35	3.50	3.32/A	3.20	3.20	3.20	-	4.40	9.60	10.50	0.55	2.45	3.40	3.92/A
9+9+12	2.51	2.51	3.48	-	3.20	8.50	9.50	0.55	2.55	3.50	3.33/A	2.95	2.95	3.69	-	4.40	9.60	10.50	0.55	2.45	3.40	3.92/A
9+9+18	2.13	2.13	4.25	-	3.20	8.50	9.50	0.55	2.55	3.50	3.33/A	2.62	2.62	4.36	-	4.40	9.60	10.50	0.55	2.45	3.40	3.92/A
9+9+24	1.89	1.89	4.72	-	3.20	8.50	9.50	0.55	2.55	3.50	3.33/A	2.43	2.43	4.73	-	4.40	9.60	10.50	0.55	2.45	3.40	3.92/A
9+12+12	2.26	3.12	3.12	-	3.20	8.50	9.50	0.55	2.55	3.50	3.33/A	2.74	3.43	3.43	-	4.40	9.60	10.50	0.55	2.45	3.40	3.92/A
9+12+18	1.94	2.68	3.88	-	3.20	8.50	9.50	0.55	2.55	3.50	3.33/A	2.45	3.06	4.09	-	4.40	9.60	10.50	0.55	2.45	3.40	3.92/A
9+12+24	1.74	2.41	4.35	-	3.20	8.50	9.50	0.55	2.55	3.50	3.33/A	2.29	2.86	4.45	-	4.40	9.60	10.50	0.55	2.45	3.40	3.92/A
12+12+12	2.83	2.83	2.83	-	3.20	8.50	9.50	0.55	2.53	3.50	3.36/A	3.20	3.20	3.20	-	4.40	9.60	10.50	0.55	2.45	3.40	3.92/A
12+12+18	2.47	2.47	3.56	-	3.20	8.50	9.50	0.55	2.53	3.50	3.36/A	2.88	2.88	3.84	-	4.40	9.60	10.50	0.55	2.43	3.40	3.95/A
12+12+24	2.23	2.23	4.03	-	3.20	8.50	9.50	0.55	2.53	3.50	3.36/A	2.70	2.70	4.20	-	4.40	9.60	10.50	0.55	2.43	3.40	3.95/A
12+18+18	2.19	3.16	3.16	-	3.20	8.50	9.50	0.55	2.53	3.50	3.36/A	2.62	3.49	3.49	-	4.40	9.60	10.50	0.55	2.43	3.40	3.95/A
9+9+9+9	2.13	2.13	2.13	2.13	3.20	8.50	9.50	0.55	2.50	3.50	3.40/A	2.40	2.40	2.40	2.40	4.40	9.60	10.50	0.55	2.40	3.40	4.00/A
9+9+9+12	1.94	1.94	1.94	2.68	3.20	8.50	9.50	0.55	2.50	3.50	3.40/A	2.26	2.26	2.26	2.82	4.40	9.60	10.50	0.55	2.40	3.40	4.00/A
9+9+9+18	1.70	1.70	1.70	3.40	3.20	8.50	9.50	0.55	2.50	3.50	3.40/A	2.06	2.06	2.06	3.43	4.40	9.60	10.50	0.55	2.40	3.40	4.00/A
9+9+12+12	1.78	1.78	2.47	2.47	3.20	8.50	9.50	0.55	2.50	3.50	3.40/A	2.13	2.13	2.67	2.67	4.40	9.60	10.50	0.55	2.40	3.40	4.00/A
9+9+12+18	1.58	1.58	2.19	3.16	3.20	8.50	9.50	0.55	2.50	3.50	3.40/A	1.95	1.95	2.44	3.25	4.40	9.60	10.50	0.55	2.40	3.40	4.00/A
9+12+12+12	1.65	2.28	2.28	2.28	3.20	8.50	9.50	0.55	2.50	3.50	3.40/A	2.02	2.53	2.53	2.53	4.40	9.60	10.50	0.55	2.40	3.40	4.00/A
9+12+12+18	1.56	2.15	2.15	2.63	3.20	8.50	9.50	0.55	2.50	3.50	3.40/A	1.92	2.40	2.40	2.88	4.40	9.60	10.50	0.55	2.40	3.40	4.00/A
12+12+12+12	2.13	2.13	2.13	2.13	3.20	8.50	9.50	0.55	2.50	3.50	3.40/A	2.40	2.40	2.40	2.40	4.40	9.60	10.50	0.55	2.40	3.40	4.00/A

Monobloc & Floor Standing ranges

MODEL NAME		Fluid type	Page	kBTU/h kW	9 2.5	12 3.5	48 12.5
UPGRADE ON/OFF PORTABLE Portable solution	MAF	R410A	74		●	●	
WINDOW Prefabricated buildings solution	WFD	R32	75		●	●	
NEW FLOOR STANDING High volume room	SDM	R410A	76				●

→ The economic solution
for large volume rooms

Fixed Speed
Cooling only

MAF
ON/OFF PORTABLE

UPGRADE

GOOD QUALITY FIXED SPEED PRICE RATIO

- → 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.
- → Limitation of the amount of condensate (evaporation on the exchanger).

+ PRODUCTS

- No fluid handling.
- Economic.

RC08C included

FEATURES

TECHNOLOGY:

R410A
R410A FLUID

AIR QUALITY / CLEAN:

AIR FILTER
AUTO
AUTO CLEAN/DRY

USER FUNCTIONS:

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

INSTALLER FUNCTIONS:

SELF DIAGNOSTIC

MAF TECHNICAL DATA

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

Indoor units		AWPO-MAF009-C11	AWPO-MAF012-C11
Phase		Single phase	Single phase
COOLING			
Rated power (min./max.)	**kW**	**2.64**	**3.52**
Rated power input	kW	1.01	1.35
EER/Energy label		2.60/A	2.61/A
Operating limits	°C	17°/35° Dry bulb	
INDOOR UNIT			
Type		Monobloc	Monobloc
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	49/50/52	46/49/52
Sound power Level	dB(A)	65	65
Airflow (LS/MS/HS)	m³/h	350/375/420	370
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	515x880x443	517x880x437
Net weight/Gross weight	kg	29/34.1	33.5/37
Part number		**7MB021058**	**7MB021057**
POWER SUPPLY			
Phase/Tension/Frequency		1P/230V/50Hz	1P/230V/50Hz
PIPE LINE			
Refrigerant / GWP		R410A/2088	R410A/2088
Charge	kg	0.43	0.54

* 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 units		AWWR-WFD009-C11	AWWR-WFD012-C11
Phase		Single phase	Single phase
COOLING			
Rated power (min./max.)	**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/Tension/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

+ PRODUCTS

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

WFD RC included

FEATURES

TECHNOLOGY:

DC INVERTER — DC INVERTER
R32 — R32 FLUID

USER FUNCTIONS:

NIGHT MODE
RESTART — AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:

SELF DIAGNOSTIC

SDM
FLOOR STANDING

NEW

+ PRODUCTS

- DC Inverter technology.
- Commercial application.

RC09

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 15m).
→ 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	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	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/Tension/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	7 2	9 2.5	12 3.5	18 5	24 7
ON/OFF WATER CONSOLE **Monobloc**	CAO	R407C	80		●		●	●	
UPGRADE ON/OFF WATER SOURCE **Split system**	GCAO + CAF/ DAF	R410A	82			●	●	●	●

CAO
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**.

GCAO
Split solution

Fixed Speed
Cooling only

CAO
ON/OFF WATER CONSOLE

Unique solutions

GOOD QUALITY FIXED SPEED PRICE RATIO

Made in France

- → Electrical heater in option.
- → Ideal indoor solution when the building structure or aesthetic reasons forbid a condensing outdoor unit.
- → Pressure valve supplied.

PRODUCTS

- **No outdoor unit.**
- No fluid handling.
- Can be connected to public water network.
- French product.

FEATURES

TECHNOLOGY:

R407C
R407C FLUID

CAO TECHNICAL DATA

Indoor units		CAO 230	CAO 370	CAO 580
Phase		Single phase	Single phase	Single phase
COOLING				
Rated power (min./max.)	**kW**	**2.3**	**3**	**4.7**
Rated power input	kW	0.66	0.85	1.3
EER/Energy label		3.4/E	3.5/D	3.6/D
Operating limits	°C	15°/32° Dry bulb		
Condenser inlet water temperature		10°/30°		
INDOOR UNIT				
Sound pressure level to 1 m (LS/HS)	dB(A)	37/40	38/41	41/43
Fresh air intake	m³/h	60	60	80
Airflow (LS/HS)	m³/h	450/550	450/550	725/880
Water flow at +15°C	l/h	130	170	270
Compressor type		Rotary	Rotary	Rotary
Dimensions (WxHxD)	mm	1030x620x226	1030x620x226	1390x620x226
Weight	kg	48	49	69
Part number		**7CW011016**	**7CW011017**	**7CW011018**
POWER SUPPLY				
Phase/Tension/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz
Power supply side		Indoor	Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5
Fuse rating am (D curve)		6	6	8
PIPE LINE				
Refrigerant / GWP		R407C/1774	R407C/1774	R407C/1774
Charge	kg	0.41	0.475	0.603

OPTIONS

Accessory	Part number	Function
Electrical heater 2/3 kW	7ACEL0006	Simple electrical additional heater 2/3 kW - CAO 230 and 370.
Electrical heater 4.7 kW	7ACEL0007	Simple electrical additional heater 4.7 kW - CAO 580
Simple wired remote control	7ACEL0039	Simple function as ON/OFF, operating mode temperature.

Fixed Speed
Cooling only

GCAO
ON/OFF WATER SOURCE

No outdoor unit

UPGRADE

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
R410A FLUID

AIR QUALITY / CLEAN:

AUTO
AUTO CLEAN/DRY

INSTALLER FUNCTIONS:

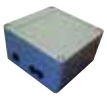
NIGHT MODE

RESTART
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.
→ Connection to 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 units		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/Tension/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

Indoor units high wall		AWSI-HHF009-N11*	AWSI-HHF012-N11	AWSI-HHF018-N11	AWSI-HHF024-N11
Sound pressure level to 1 m (LS/MS/HS/SS)	dB(A)	32/35/37/40	32/35/38/41	35/39/42/45	38/41/44/47
Sound power level (LS/MS/HS/SS)	dB(A)	42/45/47/50	42/45/48/51	45/49/52/55	48/51/54/57
Airflow (LS/MS/HS/SS)	m³/h	310/340/370/400	350/420/500/550	550/650/780/850	550/650/780/850
Dimensions (WxHxD)	mm	730x255x174	790x265x177	940x298x200	940x298x200
Weight	kg	8	9	13	13
Part number		**7SP023085**	**7SP023086**	**7SP023087**	**7SP023088**

Indoor units cassettes		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**			
Wired remote control RCWE	Part nb.	**7ACEL1647**			

Indoor units ducted		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	86			●		●	●		●	●		●
	AIR CONDENSER Independant group	CONA	R407C	88			●		●	●		●	●		●
	VERTICAL WATER CABINET Electromechanical system	X WC	R407C	90		●		●	●		●	●		●	

→ **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 units			X AC 1200	X AC 1900	X AC 2450	X AC 3250	X AC 4650	X AC 6450
Phase			Three phases	Three phases	Three phases	Three phases	Three phases	Three phases
PART NUMBER								
Standard with neutral		Part nb.	7XU122245	7XU122267	7XU122078	7XU122079	7XU122080	7XU122081
With electrical heater		Part nb.	7XU122248	7XU122249	7XU122250	7XU122251	7XU122252	7XU122253
With high ventilation		Part nb.	7XU122245	7XU122267	7XU122256	7XU122257	7XU122258	7XU122259
Without neutral		Part nb.	7XU122266	On demand	7XU122221S	7XU122222S	7XU122224S	7XU122227S
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/Tension/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 levels	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	Indoor unit	kg	136	182	265	350	525	600
ACCESSORIES								
Hot water coil		kW	15.5	29.7	38.5	50	77	94
		Part nb.	7ACFH0062	7ACFH0063	7ACFH0064	7ACFH0118	7ACFH0180	7ACFH0170
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

Made in France

FEATURES

TECHNOLOGY:

R407C FLUID

OPTIONS OBLIGATOIRES

- Set of female valves.

CONA TECHNICAL DATA

Outdoor units			CONA 34	CONA 54	CONA 74	CONA 104	CONA 148 (2 X CONA 74)	CONA 208 (2 X CONA 104)
Phase			Three phases	Three phases	Three phases	Three phases	Three phases	Three phases
PART NUMBER								
With neutral	Standard	Part nb.	7XU131025	7XU131026	7XU131027	7XU131028	2 x 7XU131027	2 x 7XU131028
With neutral	With all seasons control	Part nb.	7XU131083	7XU131059	7XU131058	7XU131060	2 x 7XU131058	2 x 7XU131060
Without neutral	With all seasons control	Part nb.	7XU131084	7XU131068S	7XU131064S	7XU131063S	2 x 7XU131064S	2 x 7XU131063S
OUTDOOR UNIT								
Phase/Tension/Frequency			3P/400V/50Hz					
Condenser unit			1	1	1	1	2	2
Ventilation	Max. airflow	m³/h	8600	7600	8550	14000	8550	14000
Ventilation	Speed	tr/mn	870					
Sound levels	Sound power level	dB(A)	52	58	61	73	64	76
Dimensions	WxHxD	mm	885x840x825	885x840x825	1141x840x885	1546x840x885	1141x840x885	1546x840x885
Weight	Outdoor unit	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"
Pipe line	Liquid pipe diameter	inches	3/8"	3/8"	1/2"	5/8"	1/2"	5/8"
Pipe line	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
Pipe link - Length 10m		Part nb.	7ACFH0210	7ACFH0211	7ACFH0212	7ACFH0213	7ACFH0214	7ACFH0215

Fixed Speed
Cooling only

X WC
VERTICAL WATER CABINET

Plenum optional

- → 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, XWC 1200 and 1900.
- → “Plug & Play” to replace old Airwell vertical cabinet.

PRODUCTS

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

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 units				CX 25	X WC 1200	X WC 1900	X WC 2450	X WC 3250	X WC 4650
Phase				Three phases	Three phases	Three phases	Three phases	Three phases	Three phases
PART NUMBER									
3P/400V/50Hz	With valve		Part nb.	7XU012192	7XU012190	7XU012187	7XU012029	7XU012030	7XU012031
RATED POWER									
Cooling	**Power**		kW	**8**	**15.0**	**18.0**	**23.0**	**32.4**	**45.7**
	Nominal power input Cooling + Ventilation (SV/HV)	Wasted water	kW	2.1/2.6	3.8/4	5.1/5.6	6.4/6.8	9.2/10.3	13.5/14.5
		Recycled water	kW	-	3.6/3.8	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	9.4/9.6	9.2/10.4	13.6/14	16.8/17.6	28.8/30
	EER			3.80	3.94	3.52	3.59	3.52	3.38
	Cooling circuit			1	1	1	1	1	2
VENTILATION									
Available static pressure			Pa	100	200	250	230	250	250
Available static pressure (HV)			Pa	320	380	400	400	480	480
Nominal airflow			m³/h	1500	2000	3200	4500	5800	9000
Airflow range (min/max)			m³/h	1200/1850	1500/2500	2500/3800	3600/5400	4600/7000	7200/10800
HYDRAULIC CIRCUIT									
Wasted water	Water flow		m³/h	0.34	0.91	0.95	1	1.7	2.8
	Pressure drop		kPa	6	37	30	22	35	18
Recycled water	Water flow		m³/h	1.47	3.16	3.05	4.3	5.8	8.3
	Pressure drop		kPa	35	80	65	60	40	56
Refrigerant / GWP				R407C/1774	R407C/1774	R407C/1774	R407C/1774	R407C/1774	R407C/1774
Charge			kg	1.18	1.22	2.269 Wasted water/ 2.85 Recycled water	5.22	6.615	
SOUND LEVELS									
Sound power level*			dB(A)	51	51	55	58	64	60
POWER SUPPLY									
Phase/Tension/Frequency				3P/400V/50Hz/N					
DIMENSIONS									
Indoor unit (WxHxD)			mm	800x1280x407	890x1540x404	1000x1735x474	1300x1840x600	1530x1840x600	1715x1970x790
Plenum height			mm	300	220	260	350	350	400
WEIGHT									
Indoor unit			kg	125	151	199	305	380	565
ACCESSORIES									
Electric heater (3P/400V/50Hz)			kW	5.4	9	12	18	22.5	37.5
			Part nb.	**7ACEL0018**	**7ACEL0042**	**7ACEL0043**	**7ACEL0057**	**7ACEL0058**	**7ACEL0116**
Hot water coil			kW	-	15.5	29.7	38.5	50	77
			Part nb.	**-**	**7ACFH0062**	**7ACFH0063**	**7ACFH0064**	**7ACFH0118**	**7ACFH0180**
ON/OFF switch and room thermostat			**Part nb.**	**7ACEL0030**	**7ACEL0041**	**7ACEL0041**	**7ACEL0032**	**7ACEL0032**	**7ACEL0032**
Sum heating resistance			**Part nb.**	**7ACEL0027**	**7ACEL0029**	**included**	**-**	**-**	**-**
Remote fault reporting			**Part nb.**	**-**	**-**	**-**	**7ACEL0072**	**7ACEL0072**	**7ACEL0071**
Air distribution duct frame			**Part nb.**	**-**	**7ACVF0101**	**7ACVF0102**	**7ACVF0050**	**7ACVF0051**	**7ACVF0052**
Total rear air intake duct frame			**Part nb.**	**-**	**7ACVF0041**	**7ACVF0104**	**-**	**-**	**-**
Front air distribution plenum			**Part nb.**	**7ACVF0112**	**7ACVF0105**	**7ACVF0106**	**7ACVF0108**	**7ACVF0109**	**7ACVF0110**
Fresh air supplied			**Part nb.**	**-**	**7ACVF0047**	**7ACVF0047**	**-**	**-**	**-**

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

VRF Range
Outdoor groups

	MODEL NAME		Fluid type	Page	Capacity (HP)	Cooling power (kW)	Heating power (kW)
MINI FLOWLOGIC II	NEW YCV080		R410A	98	3	8	9.5
	UPGRADE YCV125		R410A	98	4	12.5	14
	UPGRADE YCV150				5	15	17
	UPGRADE YCV180				6	18	20
	UPGRADE YCVFD280		R410A	98	10	28	31.5
FLOWLOGIC III	YDV280		R410A	100	10	28	31.5
	YDV400				14	40	45
	YDV450				16	45	50
	YDV504		R410A	100	18	50.4	56.5
	YDV560				20	56	63
	YDV680				24	68	73
NEW FLOWLOGIC II HR	YCV280HR		R410A	110	10	28	31.5
	YCV335HR		R410A	110	12	33.5	37.5
	YCV400HR				14	40	45
	YCV450HR				16	45	50
WATER FLOWLOGIC NEW	YWC220		R410A	118	22.4	8	25.0
	YWC280				28.0	10	31.5
	YWC335				33.5	12	37.5

RANGE TABLE MINI FLOWLOGIC II & FLOWLOGIC III

			OUTDOOR UNITS	INDOOR UNITS	
Capacity (HP)	Cooling power (kW)	Heating power (kW)	Combinations Mini FlowLogic II & FlowLogic III	Maximum indoor units connectable	Range cooling power connectable* (kW)
3	8	9.5	1XYCV080	5	4 - 10.4
5	15	17	1 X YCV150	8	7.5 - 19.5
6	18	20	1 X YCV180	9	9 - 23
10	28	31.5	1 X YCVFD280 ou 1 X YDV280	16 or 20	14 - 36
14	40	45	1 X YDV400	29	20 - 52
16	45	50	1 X YDV450	33	22.5 - 58.5
18	50.4	56.5	1 X YDV504	37	25.2 - 65.5
20	56	63	1 X YDV560	41	28 - 72
24	68	76.5	1 X YDV680	49	34 - 88
28	80	87.5	2 X YDV400	58	40 - 104
30	85	95	1 X YDV400 + 1 X YDV450	62	43 - 110.5
32	90	100	1 X YDV400 + 1 X YDV504	64	45 - 117
34	96	108	1 X YDV450 + 1 X YDV560	64	48 - 124.5
36	101	113	1 X YDV450 + 1 X YDV560	64	51 - 131
38	108	119	1 X YDV504 + 1 X YDV560	64	54 - 140
40	113	126.5	2 X YDV560	64	57 - 146.5
44	123.5	137.5	1 X YDV560 + 1 X YDV680	64	62 - 160.5
48	135	150	2 X YDV680	64	68 - 175.5
50	140.8	158	1 X YDV400 + 2 X YDV504	64	70.4 - 183.04
52	146	163	2 X YDV450 + 1 X YDV560	64	73 - 189.8
54	151.4	169.5	1 X YDV450 + 1 X YDV504 + 1 X YDV560	64	75.7 - 196.82
56	157	176	2 X YDV450 + 1 X YDV560	64	78.5 - 204.1
58	162.4	182.5	1 X YDV504 + 2 X YDV560	64	81.2 - 211.12
60	168	189	3 X YDV560	64	84 - 218.4
64	180	199	2 X YDV560 + 1 X YDV680	64	90 - 234
68	192	209	1 X YDV560 + 2 X YDV680	64	96 - 249.6
72	204	219	3 X YDV680	64	102 - 265.2

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

VRF Range
Indoor units

MODEL NAME			Fluid type	Page
HIGH WALL	HBV		R410A	120
UPGRADE CASSETTE 600X600	CBV		R410A	121
CASSETTE 900X900	CCV		R410A	122
FLOOR CEILING	FAV		R410A	123
DUCTED LOW STATIC PRESSURE	DAV		R410A	124
DUCTED MEDIUM STATIC PRESSURE	DBV		R410A	125
DUCTED HIGH STATIC PRESSURE	DCV		R410A	126
CONSOLE	EAV		R410A	127
AHU CONNECTION KIT				128

Capacity (kBtu/h)	5	7	9	12	16	18	24	28	30	38	48	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	9	12	24
Cooling (kW)	1.5	2.2	2.8	3.6	4.5	5.6	7.1	8	9	11.2	14	22.6	28	56
Heating (kW)	1.7	2.5	3.2	4	5	6.3	8	9	10	12.5	16	25	31.5	63

Why choosing a VRF system?

One system for multiple applications

Shopping centers

Villas

Hostels

Offices

Extrem versatility

- All seasons
- Immediate change mode (heat/cool)
- Extendable system
- Any indoor unit
- Anti-corrosive treatment on demand Blygold®

HIGH WALL HBV

CASSETTE 600x600 CBV

CASSETTE 900x900 CCV

FLOOR CEILING FAV

DUCTED LOW STATIC PRESSURE DAV

DUCTED MEDIUM STATIC PRESSURE DBV

DUCTED HIGH STATIC PRESSURE DCV

CONSOLE EAV

AHU CONNECTION KIT

Easy installation

- Professional selection software
- Easy setup (plumbing, electricity, regulation…)
- Ideal solution for refurbishment (easy installation also in inhabited places)

Why choosing an Airwell VRF?

- Wide range of power: from 3 to 72 HP (from 8 to 240 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

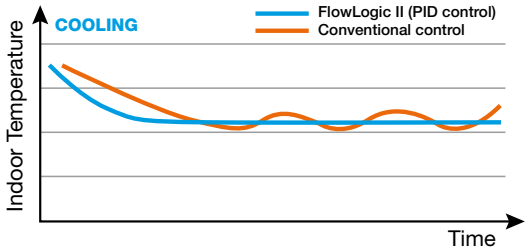
- The system is cooled with little refrigerant.
- Improve subcooling degree of refrigerant.
- Avoid energy loss due to refrigerant flash evaporating when it goes through PMV.
- W-model Ø8 innergrooved tube.
- Hydrophilic aluminium coil fin, it will increase efficiency of heat exchange by 5%.

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

UPGRADE

mini Flow Logic II

PRODUCTS

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

RWV06
(optional)

RWV08
(optional)

FEATURES

TECHNOLOGY:

R410A FLUID

DC INVERTER

- → Capacity range: 3 CV, 5 CV, 6 CV and 10 CV.
- → 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%.

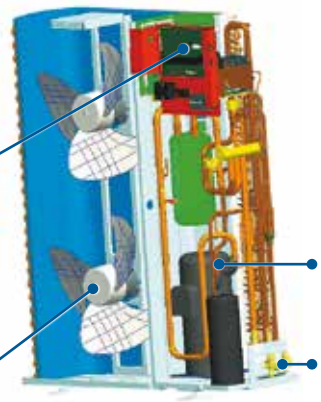
5 HP/6 HP

Control compressor running frequency by temperature. Sensor, more precise and prompt than conventional control system

Protections: pressure, temp., compressor, fan motor, refrigerant, oil quantity, results in perfect performance.

Malfunction self-diagnosis

DC fan motor (YCV150/YCV180)



DC Inverter compressor, high efficiency.

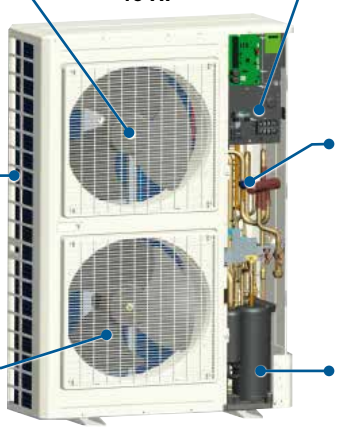
Single set valve, easy to installation and save installation time.

10 HP

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

High efficiency Condenser: Ø8 inner grooved tube; hydrophilic corrugated fissure fin.

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



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

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

Twin Rotary DC Inverter Compressor: high chamber DC INVERTER twin rotary compressor; small vibration, low noise, high energy efficiency.

MINI FLOWLOGIC II TECHNICAL DATA

Drop only

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

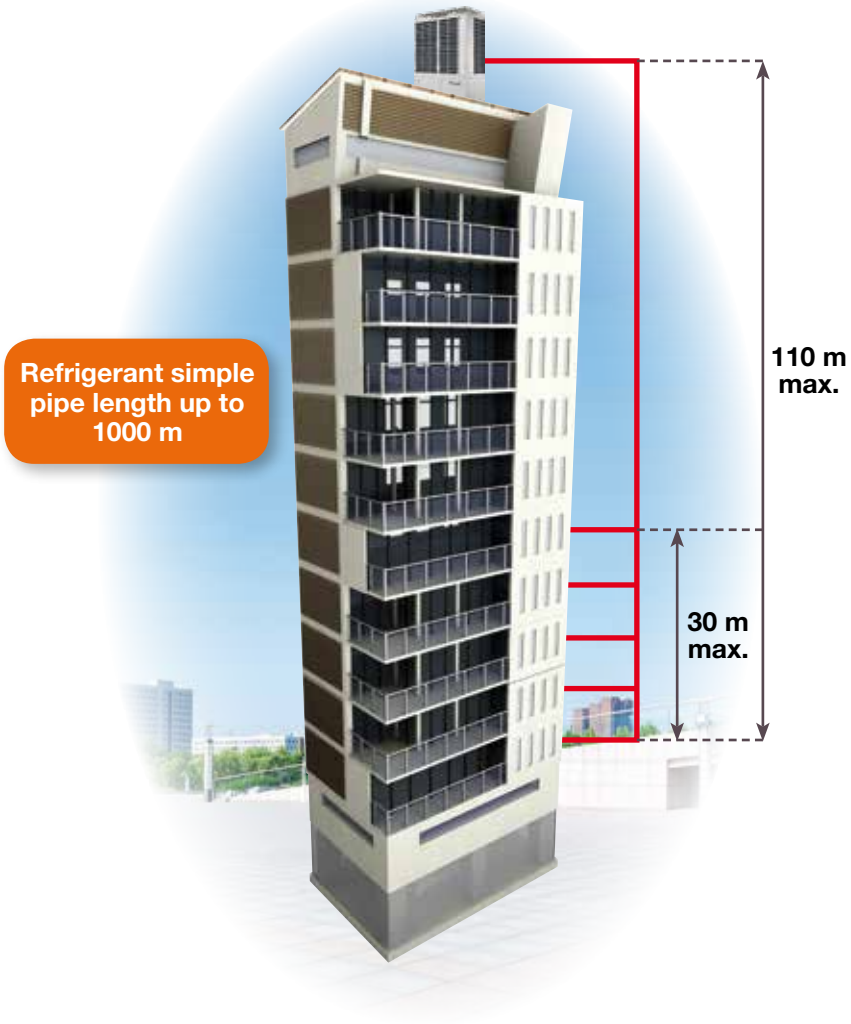
R410A FLUID

DC INVERTER

TUBING ACCESSORIES

Accessory	Part number	Code	Photo	Function	Comments
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

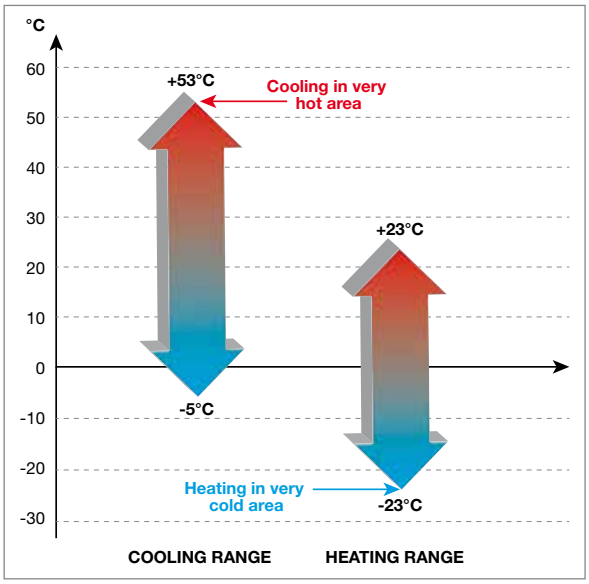
→ 2 x Full DC Inverter

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

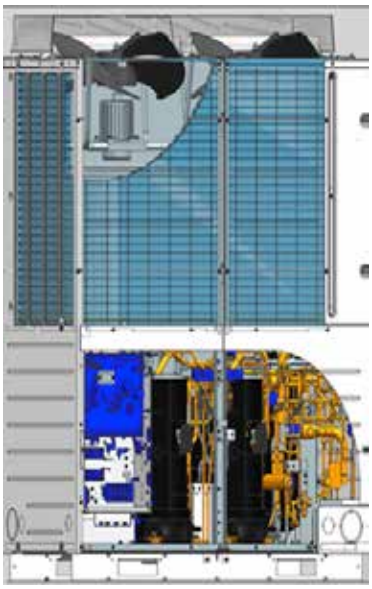
Wide operation range



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

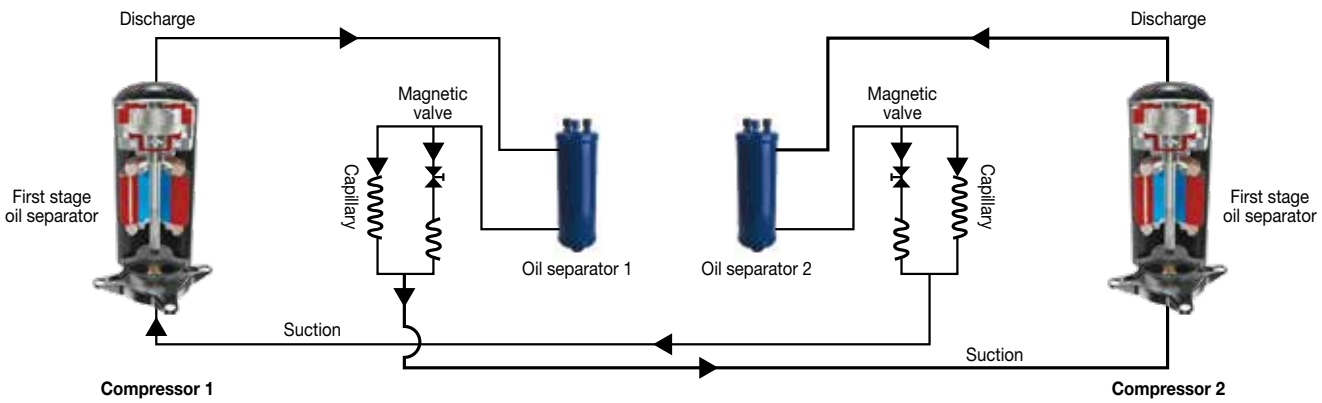
→ **Reliability/Maintenance:**
- Compressor double protection: Two pressure sensors
- Double oil temperature sensor
- Large volume gas-liquid separator (26L) + liquid storage tank (10L)
- Two floor structure (no air bypass during maintenance): efficient measures

→ **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.



FLOWLOGIC III TECHNICAL DATA

Outdoor units			AWAU-YDV280-H13	Drop only AWAU-YDV335-H13	AWAU-YDV400-H13	AWAU-YDV450-H13	AWAU-YDV504-H13	AWAU-YDV560-H13	Drop only AWAU-YDV615-H13	AWAU-YDV680-H13
Phase			Three phases	Three phases	Three phases	Three phases	Three phases	Three phases	Three phases	Three phases
Part number			7SP14H030	7HP14H031	7SP14H032	7SP14H033	7SP14H034	7SP14H035	7SP14H036	7SP14H037
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/Tension/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
Efficacité énergétique saisonnière			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
Efficacité énergétique saisonnière			199	193	185	163	165	163	154	149
PERFORMANCE										
Airflow	Heating	m³/h	15000	15000	15000	15600	16200	16200	16200	16200
	Cooling	m³/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	meter	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 **14, 16, 18 & 20 HP** TWO COMBINATIONS

			Drop only					
Outdoor units			**YDV735-H13**	**YDV800-H13**	**YDV850-H13**	**YDV904-H13**	**YDV950-H13**	**YDV1010**
Phase			**Three phases**	**Three phases**	**Three phases**	**Three phases**	**Three phases**	**Three phases**
Combinations part number			**YDV335/ 7SP14H031** + **YDV400/ 7SP14H032**	**YDV400/ 7SP14H032** + **YDV400/ 7SP14H032**	**YDV400/ 7SP14H032** + **YDV450/ 7SP14H033**	**YDV400/ 7SP14H032** + **YDV504/ 7SP14H034**	**YDV450/ 7SP14H033** + **YDV560/ 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/Tension/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	meter	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 **18, 20 & 24 HP** TWO COMBINATIONS

					Drop only		Drop only	
Outdoor units			**YDV1064-H13**	**YDV1120-H13**	**YDV1175-H13**	**YDV1240-H13**	**YDV1295-H13**	**YDV1360-H13**
Phase			**Three phases**	**Three phases**	**Three phases**	**Three phases**	**Three phases**	**Three phases**
Combinations part number			**YDV504/ 7SP14H034**	**YDV560/ 7SP14H035**	**YDV560/ 7SP14H035**	**YDV560/ 7SP14H035**	**YDV615/ 7SP14H036**	**YDV680/ 7SP14H037**
			YDV560/ 7SP14H035	**YDV560/ 7SP14H035**	**YDV615/ 7SP14H036**	**YDV680/ 7SP14H037**	**YDV680/ 7SP14H037**	**YDV680/ 7SP14H037**
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/Tension/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	meter	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 **14, 16, 18 & 20 HP** THREE COMBINATIONS

Outdoor units			YDV1408-H13	YDV14602-H13	YDV1514-H13	YDV1570-H13
Phase			Three phases	Three phases	Three phases	Three phases
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/Tension/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	meter	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

TECHNICAL DATA FOR **18, 20 & 24 HP** THREE COMBINATIONS

					Drop only	
Outdoor units			**YDV1624-H13**	**YDV1680-H13**	**YDV1735-H13**	**YD V1800-H13**
Phase			**Three phases**	**Three phases**	**Three phases**	**Three phases**
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/Tension/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	meter	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 **20 & 24 HP** THREE COMBINATIONS

			Drop only		Drop only	
Outdoor units			**YDV1855-H13**	**YDV1920-H13**	**YDV1975-H13**	**YDV2040-H13**
Phase			**Three phases**	**Three phases**	**Three phases**	**Three phases**
Combinations part number			**YDV560/7SP14H035**	**YDV560/7SP14H035**	**YDV615/7SP14H036**	**YDV680/7SP14H037**
			YDV615/7SP14H036	**YDV680/7SP14H037**	**YDV680/7SP14H037**	**YDV680/7SP14H037**
			YDV680/7SP14H037	**YDV680/7SP14H037**	**YDV680/7SP14H037**	**YDV680/7SP14H037**
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/Tension/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	meter	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

NEW

HR Flow Logic II

✚ PRODUCTS

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

RWV06
(optional)

RWV08
(optional)

FEATURES

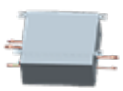
TECHNOLOGY:

R410A FLUID

DC INVERTER

- → Simultaneous operation in heating and cooling mode.
- → Capacity range from 10 HP 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.

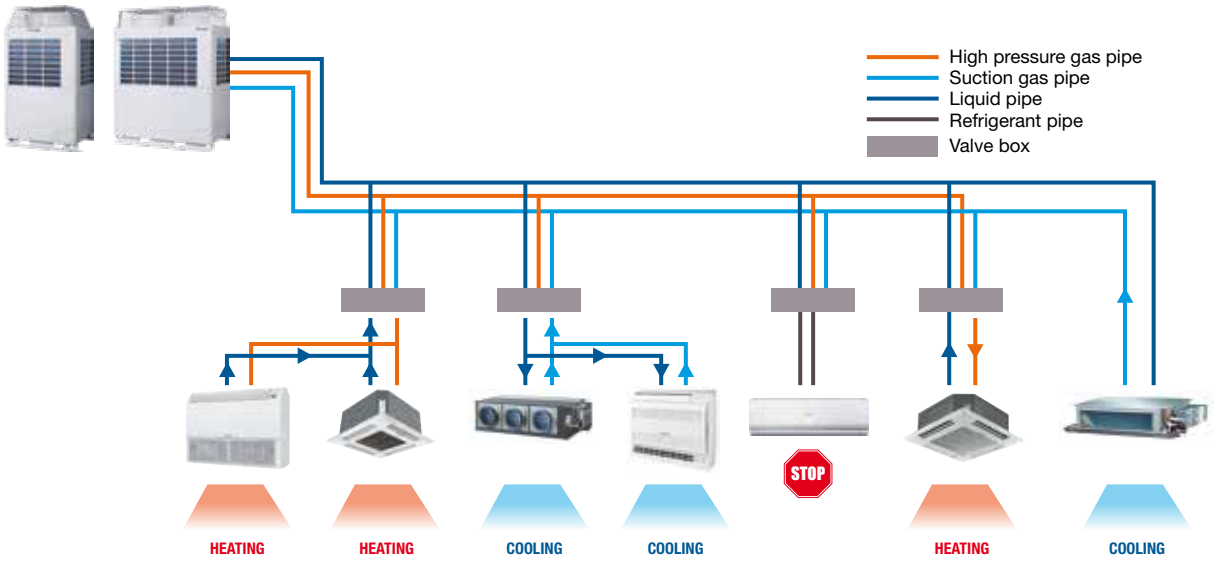
3-PIPES VRF RANGE SPECIFIC ACCESSORIES

Accessory	Part number	Photo	Description
TAS 20 HR	7ACFHH011		Gather Pipe 3 pipes
TAS 30 HR	7ACFHH012		Gather Pipe 3 pipes
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

Voir les accessoires généraux en page 134.

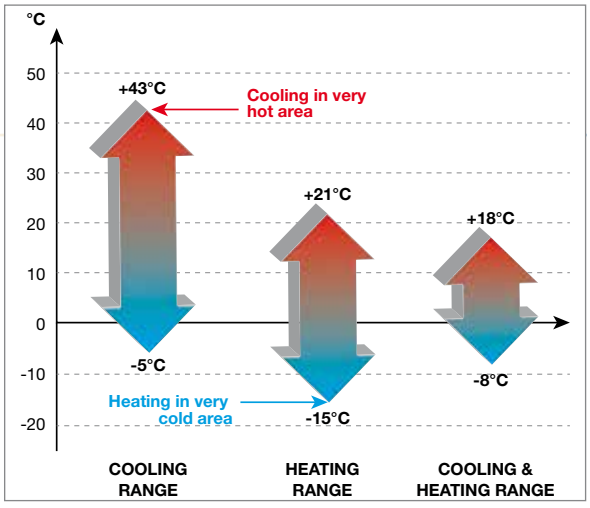
OPERATION PRINCIPLE OF THE HEAT RECOVERY SYSTEM

- 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

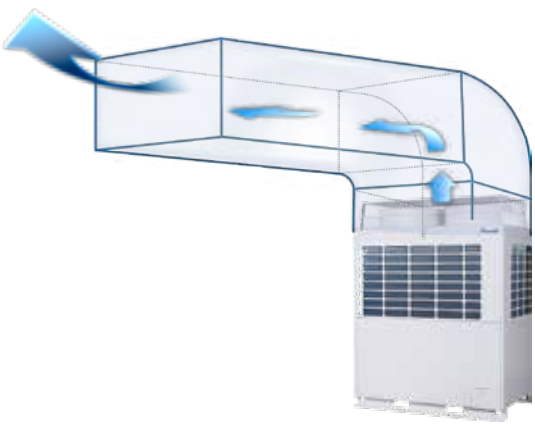
- Optimized operation at partial load: two-part condenser with independent control (double electronic expander).
- DC Inverter compressor (1 additional fixed speed compressor from 12CV).
- Powerful DC fan (low noise level and energy savings).
- Wide operating range.



EASY INSTALLATION

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

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 units 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 units		AWAU-YCV280HR-H13	AWAU-YCV335HR-H13	AWAU-YCV400HR-H13	AWAU-YCV450HR-H13
Phase		Three phases	Three phases	Three phases	Three phases
Part number		7SP14H016	7SP14H019	7SP14H017	7SP14H018
RATED POWER					
Cooling	**kW**	**28**	**33.5**	**40**	**45**
Heating	**kW**	**28**	**37.5**	**45**	**50**
ELECTRICAL PARAMETERS					
Phase/Tension/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	175	175	175	175
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 units			YCV560HR-H13	YCV615HR-H13	YCV680HR-H13	YCV730HR-H13
Phase			Three phases	Three phases	Three phases	Three phases
Part number			YCV280HR/7SP14H016	YCV280HR/7SP14H016	YCV280HR/7SP14H016	YCV280HR/7SP14H016
			YCV280HR/7SP14H016	YCV335HR/7SP14H019	YCV400HR/7SP14H017	YCV450HR/7SP14H018
RATED POWER						
Capacity range		CV	20	22	24	26
Cooling		kW	56	61.5	68	73
Heating		kW	63	69	76.5	81.5
ELECTRICAL PARAMETERS						
Phase/Tension/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	mètre	175	175	175	175
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 units			YCV800HR-H13	YCV850HR-H13	YCV900HR-H13
Phase			Three phases	Three phases	Three phases
Part number			YCV400HR/7SP14H017 YCV400HR/7SP14H017	YCV400HR/7SP14H017 YCV450HR/7SP14H018	YCV450HR/7SP14H018 YCV450HR/7SP14H018
RATED POWER					
Capacité		CV	28	30	32
Puissance frigorifique		kW	80	85	90
Puissance calorifique		kW	90	95	100
ELECTRICAL PARAMETERS					
Phase/Tension/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	mètre	175	175	175
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 units			YCV960HR-H13	YCV1010HR-H13	YCV1080HR-H13	YCV1180HR-H13
Phase			Three phases	Three phases	Three phases	Three phases
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						
Capacité		CV	34	36	38	40
Puissance frigorifique		kW	96	101	108	113
Puissance calorifique		kW	108	113	121.50	126.5
ELECTRICAL PARAMETERS						
Phase/Tension/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	mètre	175	175	175	175
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 units			YCV1180HR-H13	YCV1235HR-H13	YCV1300HR-H13	YCV1350HR-H13
Phase			Three phases	Three phases	Three phases	Three phases
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						
Capacité		CV	42	44	46	48
Puissance frigorifique		kW	118	123.5	130	135
Puissance calorifique		kW	131.5	137.5	145	150
ELECTRICAL PARAMETERS						
Phase/Tension/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	mètre	175	175	175	175
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

NEW

+ PRODUCTS

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

FEATURES

TECHNOLOGY:

R410A FLUID

DC INVERTER

→ Capacity range from 8 HP 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 units			**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/Tension/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 drop between I.U.&O.U		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:

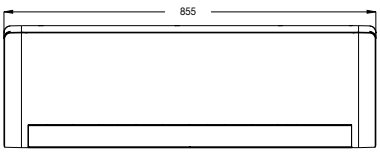
R410A FLUID

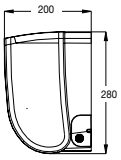
ELECTRONIC EXPANSION VALVE

HBV TECHNICAL DATA

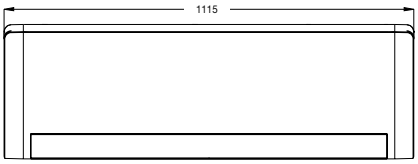
Indoor units		AWSI-HBV007-N11	AWSI-HBV009-N11	AWSI-HBV012-N11	Drop only AWSI-HBV016-N11	AWSI-HBV018-N11	AWSI-HBV024-N11	Drop only AWSI-HBV030-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP02H012	7SP02H013	7SP02H014	7SP02H017	7SP02H015	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/Tension/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"

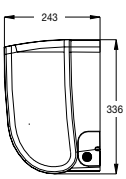
Dimensions : 007-009-012 models





Dimensions : 018-024-030 models





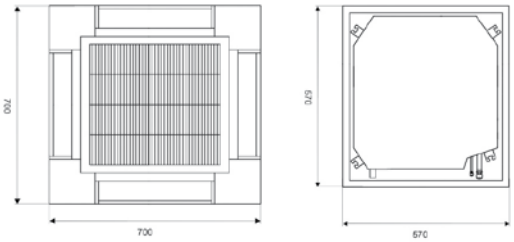
CBV
CASSETTE 600X600

- 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 units		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/Tension/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:



UPGRADE

+ 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 air flow.
- 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:

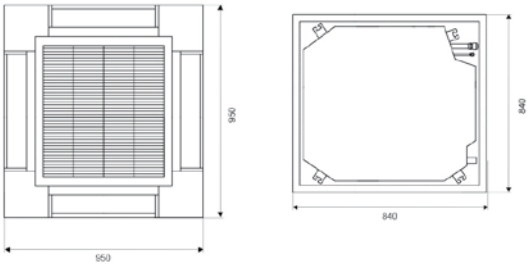
R410A FLUID

ELECTRONIC EXPANSION VALVE

CCV TECHNICAL DATA

Indoor units		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/Tension/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

Dimensions: 018-024-030-048 models



FAV
FLOOR CEILING

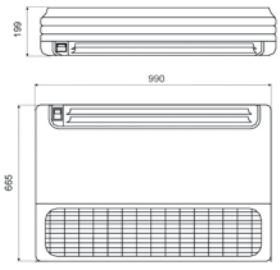
Airwell
Just feel well

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

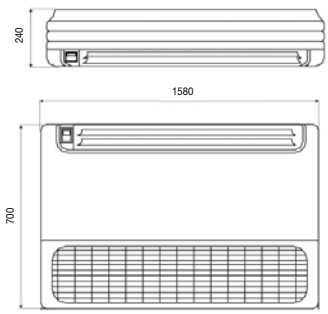
FAV TECHNICAL DATA

		Drop only				Drop only			
Indoor units		**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/Tension/ 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



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

VRF

DAV
DUCTED LOW STATIC PRESSURE

DAV 007-009-012

DAV 016

→ Invisible solution.
→ Wide range: new size 7.
→ Dry contact: hotel/bungalow solutions (room card or on/off contact).

PRODUCTS

- 220 ultra thin design and space saving.
- Optional air return design.
- High efficiency filter.
- EEV inside.
- Wired controller RWV05 included on standard.
- Ideal for hotel.

RWV05 (included)

RCV02 (optional)

(REC01 infrared receiver to combined with RCV02)

RWV03 (optional)

RWV07 (optional)

FEATURES

TECHNOLOGY:

R410A FLUID

ELECTRONIC EXPANSION VALVE

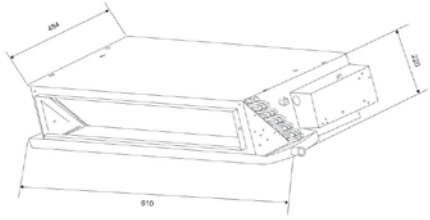
INSTALLER FUNCTIONS:

WATER PUMP (OPTION)

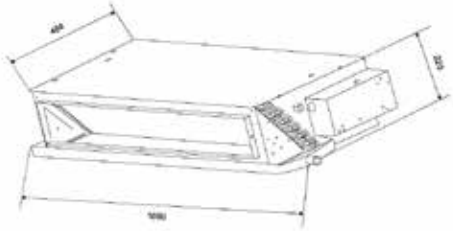
DAV TECHNICAL DATA

Indoor unit		AWSI-DAV007-N11	AWSI-DAV009-N11	AWSI-DAV012-N11	AWSI-DAV016-N11
Phase		Single phase	Single phase	Single phase	Single phase
Part number		7SP03H001	7SP03H002	7SP03H003	7SP03H004
RATED POWER					
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					
Phase/Tension/Frequency		1P/220-230V/50Hz			
PERFORMANCE					
Airflow	m³/h	400	400	500	850
Noise level (LS/MS/HS)	dB(A)	30/32/35	30/32/35	30/32/35	30/32/35
INSTALLATION					
External dimensions (WxHxD)	mm	610x220x500	610x220x500	610x220x500	1105x220x500
Shipping dimensions (WxHxD)	mm	710x280x549	710x280x549	710x280x549	1174x294x549
Net weight/Gross weight	kg	15/17	15/17	16/19	25/27
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"
Suction pipe diameter	inches	3/8"	3/8"	3/8"	3/8"
Static pressure	Pa	20	20	20	20
ACCESSORY					
Water pump	Part Nb	7ACTL0529	7ACTL0529	7ACTL0529	7ACTL0529

Dimensions: 007-009-012 models



Dimensions: 016 model



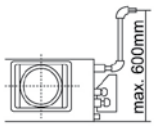
DBV DUCTED MEDIUM STATIC PRESSURE

Airwell
Just feel well

DBV 018-028

DBV 038

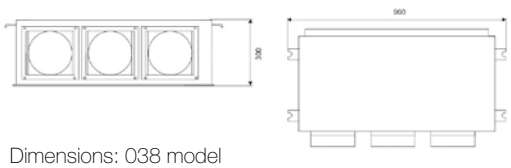
- → Invisible solution.
- → Two choices of static pressure: Better fitting with aeraulic network.
- → Built-in high head pump (height up to 600 mm).
- → Plenum for air outlet provided: 3 Ø200 sizes 018 and 028, 4 Ø200 size 038.
- → Dry contact: hotel/bungalow solutions (room card or on/off contact).



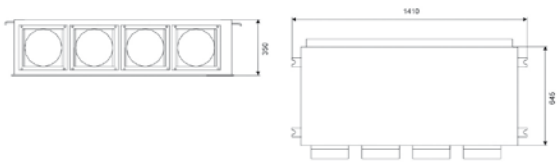
DBV TECHNICAL DATA

Indoor units		AWSI-DBV018-N11	AWSI-DBV024-N11	AWSI-DBV028-N11	AWSI-DBV038-N11
Phase		Single phase	Single phase	Single phase	Single phase
Part number		7SP03H007	7SP03H008	7SP03H009	7SP03H011
RATED POWER					
Cooling	kBtu/h	19.1	24.2	27.3	38.2
	kW	**5.6**	**7.1**	**8**	**11.2**
Heating	kBtu/h	21.5	27.3	30.7	42.6
	kW	**6.3**	**8**	**9**	**12.5**
ELECTRICAL PARAMETERS					
Phase/Tension/Frequency		1P/220-230V/50Hz			
PERFORMANCE					
Airflow	m³/h	1200	1200	1200	1900
Noise level (LS/MS/HS)	dB(A)	35/37/43	35/37/43	35/37/43	35/37/43
INSTALLATION					
External dimensions (WxHxD)	mm	990x650x300	990x650x300	990x650x300	1410x645x350
Shipping dimensions (WxHxD)	mm	1167x860x345	1167x860x345	1167x860x345	1557x800x370
Net weight/Gross weight	kg	39/45	39/45	39/45	59/66
Liquid pipe diameter	inches	1/4"	3/8"	3/8"	3/8"
Suction pipe diameter	inches	1/2"	5/8"	5/8"	5/8"
Static pressure	Pa	50	50	50	50
Max. static pressure	Pa	96	96	96	96

Dimensions: 018-024-028 models



Dimensions: 038 model



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

VRF

DCV
DUCTED HIGH STATIC PRESSURE

DCV 048

DCV 072-096

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:

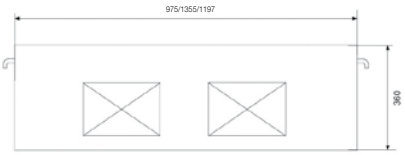
INTEGRATED WATER PUMP

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

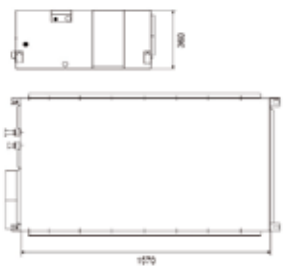
DCV TECHNICAL DATA

		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/Tension/ Frequency		1P/220-230V/50Hz						
PERFORMANCE								
Airflow	m³/h	1089/1357/1500	1089/1357/1500	1133/1412/1560	1162/1448/1600	2100	4050	4050
Noise level (LS/HS)	dB(A)	38/40/42	38/40/42	40/43/45	40/43/45	40/45	49/54	49/54
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



EAV
CONSOLE

Airwell
Just feel well

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

EAV TECHNICAL DATA

		Drop only		Drop only
Indoor unit		**AWSI-EAV009-N11**	**AWSI-EAV012-N11**	**AWSI-EAV018-N11**
Phase		**Single phase**	**Single phase**	**Single phase**
Part number		**7SP05H001**	**7SP05H002**	**7SP05H004**
RATED POWER				
Cooling	kBtu/h	9.5	12.3	17
	kW	**2.8**	**3.6**	**5.0**
Heating	kBtu/h	10.9	13.6	20.5
	kW	**3.2**	**4**	**6**
ELECTRICAL PARAMETERS				
Phase/Tension/Frequency		1P/220-230V/50Hz		
PERFORMANCE				
Airflow	m³/h	280/370/460	520	400/490/580
Noise level (LS/MS/HS)	dB(A)	36/39/43	36/39/43	42/46/48
INSTALLATION				
External dimensions (WxHxD)	mm	720x640x255	720x640x255	720x640x255
Shipping dimensions (WxHxD)	mm	784x720x305	784x720x305	784x720x305
Net weight/Gross weight	kg	18/20	18/20	18/20
Liquid pipe diameter	inches	1/4"	1/4"	1/4"
Suction pipe diameter	inches	1/2"	1/2"	1/2"

PRODUCTS

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

RCV02
(included)

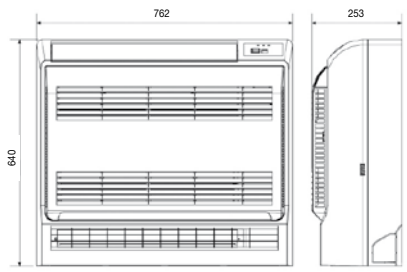
FEATURES

TECHNOLOGY:

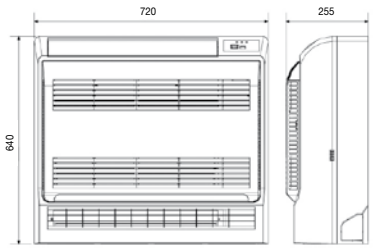
R410A
R410A FLUID

ELECTRONIC EXPANSION VALVE

Dimensions: 012 model



Dimensions: 009-018 models



VRF

AHU Connection Kit

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

SYSTEM APPLICATION

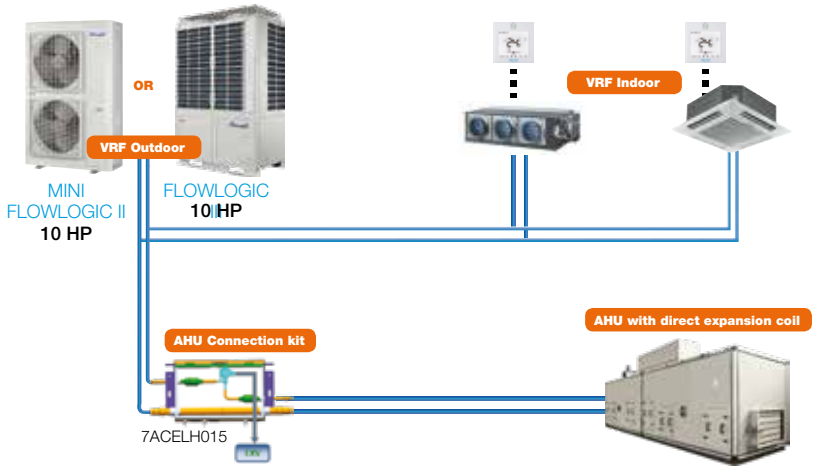
- Provides a solution for big space to cool down the supplied fresh air with VRF outdoor units to match the air handling units. Integrates all advantages of VRF and AHU units.
- EU legislation requires that every working place has to be supplied with a minimum of 25 m³/h/person of fresh air. So it means 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

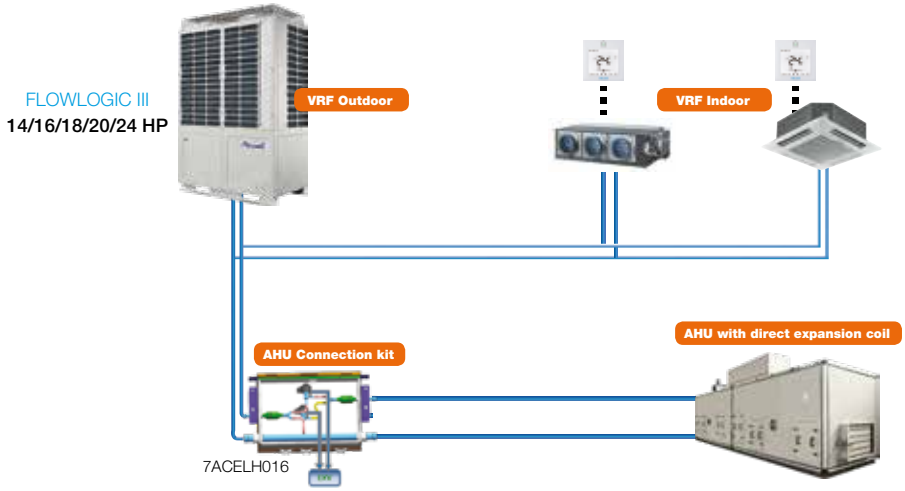
CONFIGURATION BETWEEN 14 AND 28 KW



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

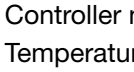
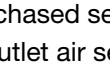
VRF OUTDOOR LINE UP

OUTDOOR	MINI FLOWLOGIC II	FLOWLOGIC III	
Modèle	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:

7ACELH015 = EXV part + Control Part + Sensors and wires + Mandatory accessory (RWV05 7ACELH021)

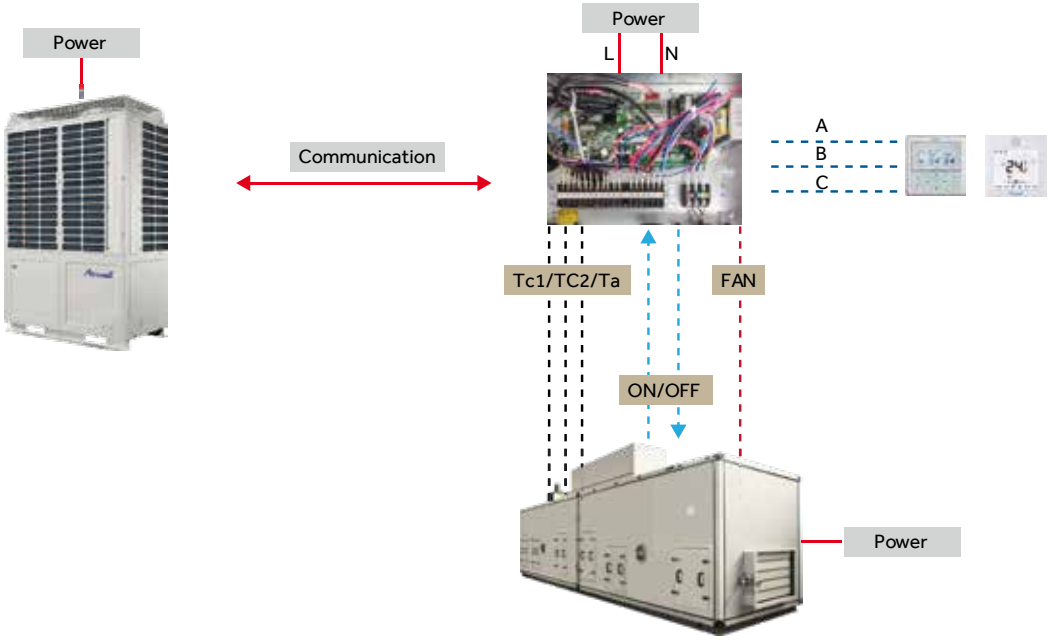



Different Valve ▼ Same Control Parts

7ACELH016 = EXV part + Control Part + Sensors and wires + Mandatory accessory (RWV05 7ACELH021)

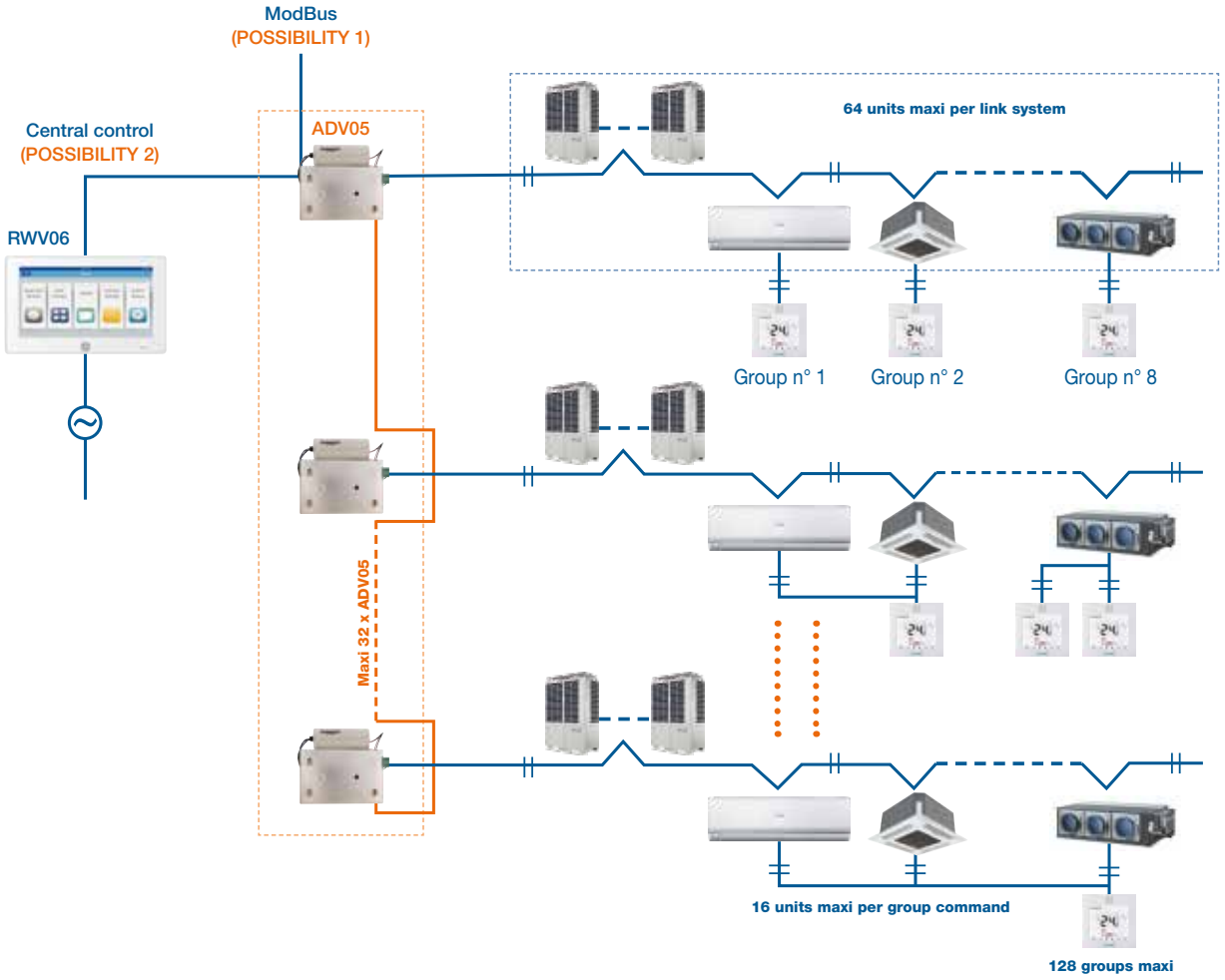
- EXV part, Control part, Sensor and wire are all integrated in one box.
- Controller need to be purchased separately.
- Temperature control via outlet air sensor on AHU.

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:

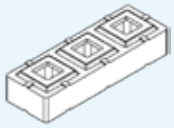
- → Reading operating parameters
- → Visualization of failure code
- → Weekly time: mode, fan speed, temperature
- → Sets LIFO (Last enter have high priority)
- → Creation and monitoring zones
- → Modbus RS485 -+

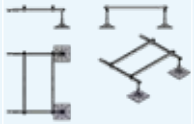
Part number RWV06: 7ACELH023

	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	INVERTER PROTOCOL ADAPTATER		7ACELH007	ADV02
	CENTRAL CONTROLLER GATEWAY AND MODBUS/RTU		7ACELH027	ADV05
	ON-SITE DIAGNOSTIC TOOL		7ACELH014	TD02

FUNCTION	FOR WHAT UNITS?	OPTIONAL/COMMENTS
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
Protocol adapter and data storeage	Mini FlowLogic II FlowLogic III FlowLogic II HR	Mandatory with energy counter
RWV06 and RWV08 connection and Modbus gateway	Mini FlowLogic II FlowLogic III FlowLogic II HR	-
Useful during process of installation or maintenance, the whole system’s operating parameters can be tested.	Mini FlowLogic II FlowLogic III FlowLogic II HR	-

Installation accessories

	NAME		Photo	Part number	FUNCTION
COPPER	INSULATED COPPER M1	1/4”-3/8” - 10ml		7ACFH0810	Refrigerant tubing to connect outdoor unit with indoor unit (monosplit and multisplit).
		1/4”-1/2” - 10ml		7ACFH0811	
		3/8”-5/8” - 10ml		7ACFH0812	
		1/4”-3/8” - 7ml		7ACFH0813	
		1/4”-1/2” - 7ml		7ACFH0814	
		3/8”-5/8” - 7ml		7ACFH0815	
OUTDOOR UNIT SUPPORT	WALL BRACKET	Max. charge 160 kg Horiz. 560 mm Vert. 365 mm Barre 800 mm		7ACTL0506	Support to install an outdoor unit on facade (monosplit and multisplit).
	ANTI-CORROSION WALL BRACKET	Max. charge 160 kg Horiz. 460 mm Vert. 410 mm Barre 790 mm		7ACTL0507	Support to install an outdoor unit on facade (monosplit and multisplit).
	4 ANTI-VIBRATILE PADS (KIT)			7ACTL0508	Ideal to limit noise and vibrations (good neighborhood).
	FLOOR SUPPORT RUBBER RECYCLED (PAIR)	Longueur 600 mm Longueur 1000 mm		7ACTL0509 7ACTL0510	Necessary for a professional installation. High quality: using rubber material.
	FLOOR SUPPORT (PAIR)	450x100 mm		7ACTL0513	Necessary for a professional installation. Good quality price ratio: using PVC material.
	RUBBER SUPPORT (PAIR+GLUE)	G600 G1000		7ACTL0511 7ACTL0512	Raise to avoid frosting. Compatible with floor support made of recycled rubber (same sizes).

	NAME		Photo	Part number	FUNCTION
FRAME VRF	FRAME VRF 4 FEET	Max. charge 500 kg 1000x1200 mm		7ACTL0514	Available for all VRF outdoor unit range.
	FRAME VRF 6 FEET	Max. charge 1040 kg 2000x1200 mm		7ACTL0515	Available for all VRF outdoor unit range.
	EXTENSION VRF 2 FEET	Max. charge 500 kg 1000x1200 mm		7ACTL0516	Available for all VRF outdoor unit range.
CLEANING	FLUSH KIT FOR TUBING DIVERSIFLUSH SOLVENT CONTAINER DIVERSIFLUSH (REFILL)			7ACFH0816 7ACFH0817	Cleans your old refrigerant circuit (to replace old R22 installation).
WATER PUMP	WATER PUMP MINI FLOWATCH MF2			7ACTL0517	Evacuate condensates from indoor units (high wall, ducted, floor ceiling units).
	WATER PUMP FLOWATCHDESIGN			7ACTL0518	Evacuate condensates from indoor units (high wall, ducted, floor ceiling units).

RANGE		WIRED REMOTE					WIRED REMOTE		
		RC08C	RC08W	RC09	RC10	RCV02	RCW2	RCW6	
		7ACEL1740	7ACEL1741	7ACEL1758	7ACEL1760	7ACELH022	7ACEL1212	7ACEL1704	
HIGH WALL	HRD				●				
	HDM			●					
	HKD	●							
DUCTED	DLF		●				●		
	DLSE		●				●		
	DID	●						●	
CASSETTE	CCD	●						●	
FLOOR-CEILING	XBD	●							
	FCD	●						●	
	FWDB							●	
MONOBLOC	MAF	●							
	SDM			●					
VRF	HBV					●			
	CBV					●			
	CCV					●			
	FAV					●			
	DAV					●			
	DBV					●			
	DCV					●			
	EAV					●			

	WIRED REMOTE								WIFI SOLUTION
	RCW8	RCW16	RWV05	RWV07	RWV03	RWV06	RWV08	BMS gateway	Airnet
	7ACEL1706	7ACEL1707	7ACELH021	7ACELH024	7ACELH008	7ACELH023	-	7ACEL1708	-
									7ACEL1719
									7ACEL1744

RESIDENTIAL

	FUNCTION	INFRARED CONTROL			WIRED REMOTE				
		RC08C	RC08W	RC09	RCW2	RCW6	RCW8	RCW16	RCW10
		7ACEL1740	7ACEL1741	7ACEL1758	7ACEL1212	7ACEL1704	7ACEL1706	7ACEL1707	7ACEL1718
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 mode only	●		●					
	Priority mode definition (multisplit)	●		●					
	Parameter display (temperature, off pressure opening, compressor…)	●		●					
	Defaults, failures display				●				

VRF

	FUNCTION	INFRARED 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 mode only		●	●				
	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	**Rooms**	**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			

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.

R407C FLUID

Refrigerant fluid R407C.

R32 FLUID

Refrigerant fluid R32.

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.

CRANKCASE HEATER

Protects compressor oil from freezing.

AIR QUALITY/CLEAN

STERIONIZER

Generates sterionizer ions producing electrochemical reaction destroying bacteria, viruses and allergenic particles. Creates and ensure provisioning of natural and high quality air in living environment.

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.

FILTER CLEAN INDICATION

Control led asking for verification and cleaning of the air filter.

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.

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.

AIR CONDITIONING & HEATING

Our Aftersales Service

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