

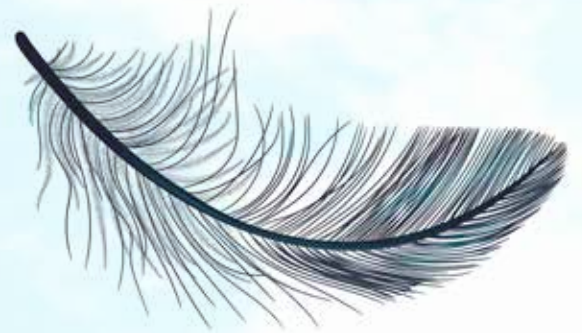


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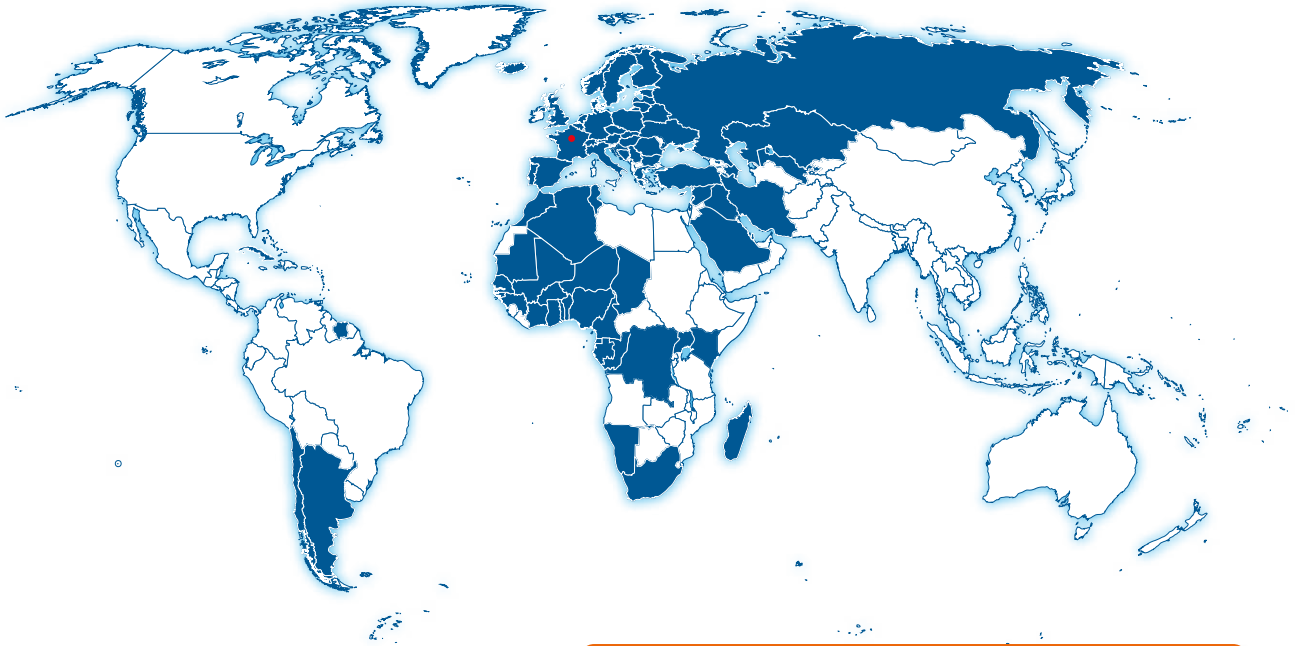
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OUR PARTNERS





OUR CERTIFICATIONS





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RESIDENTIAL






		INFRARED REMOTE CONTROL		WIRED REMOTE CONTROL					
		RC08C	RC09	RCW8	RCW11	RCW21	RCW22	RCW25	Passerelle GTC
RANGE		7ACEL1740	7ACEL1758	7ACEL1706	7ACEL1774	7ACEL1777	7ACEL1778	7ACEL1832	7ACEL1708
									
HIGH WALL	HDH	●					●		
	HKD	●		●					
DUCTED	DDM	●			●	●			●
CASSETTE	CDM	●			●	●			●
FLOOR CEILING AND CONSOLE	FDM	●			●	●			●
	XDM	●		●			●		
	FWDB							●	
FLOOR STANDING	SDM		●						
MONOBLOC	MFH MFR	●							

VRF

	INFRARED REMOTE CONTROL	WIRED REMOTE CONTROL				
	RCV02	RWV03	RWV05	RWV07	RWV08	RWV06
	7ACELH022 	7ACELH032 	7ACELH021 	7ACELH024 	7ACELH025 	7ACELH023 
HBV	●	●	●	●	●	●
CBV	●	●	●	●	●	●
CFV	●	●	●	●	●	●
FAV	●	●	●	●	●	●
DDV	●	●	●	●	●	●
DBV	●	●	●	●	●	●
DCV	●	●	●	●	●	●
EAV	●		●	●	●	●

● Controller as standard ● Optional controller

RESIDENTIAL

		INFRARED REMOTE CONTROL		WIRED REMOTE CONTROL				
		RC08C	RC09	RCW8	RCW11	RCW21	RCW25	
		7ACEL1740	7ACEL1758	7ACEL1706	7ACEL1774	7ACEL1777	7ACEL1832	
								
CUSTOMER	FUNCTION							
	On/Off timer	●	●	●	●	●	●	
	Weekly timer				●	●		
	Silent mode/ low speed fan	●	●	●	●	●	●	
	“I Feel” function	●	●		●	●		
	Clean-up function	●	●					
	Night mode (economy mode)	●	●	●				
	Remote locking	●		●	●	●	●	
	Turbo mode	●	●					
	“Follow me” mode (presence sensor)							
	Low battery	●	●		●	●		
	No frost mode	●						
	INSTALLER	Test mode	●					
		Group control					●	
Temperature compensation		●					●	
Heating only mode		●						
Priority mode definition (multisplit)		●						
Parameter display (temperature, off pressure opening, compressor...)		●						
Defaults, failures display					●	●	●	

VRF

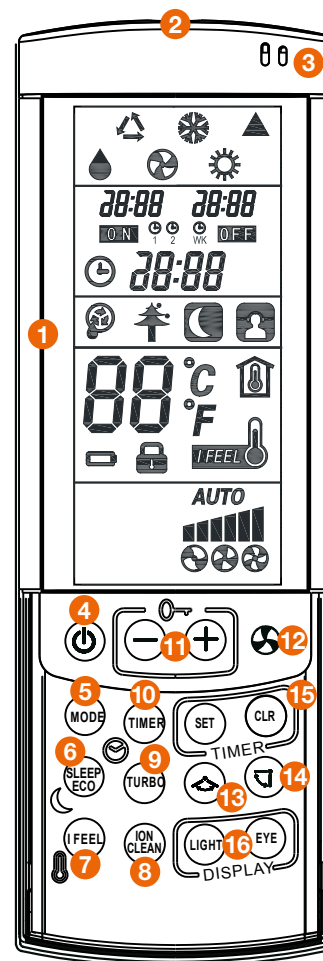
		INFRARED REMOTE CONTROL	WIRED REMOTE CONTROL					
		RCV02	RWV03	RWV05	RWV07	RWV08	RWV06	TD02
		7ACELH022	7ACELH032	7ACELH021	7ACELH024	7ACELH025	7ACELH023	7ACELH014
FUNCTION								
CUSTOMER	On/Off timer	●	●	●	●	●	●	
	Weekly timer				●	●	●	
	Silent mode/ low speed fan		●	●	●	●	●	
	“I Feel” function			●	●	●		
	Clean-up function		●	●	●	●		
	Night mode (economy mode)			●	●	●		
	Remote locking			●	●		●	
	Turbo mode				●			
	“Follow me” mode (presence sensor)				●			
	Low battery	●	●	●	●	●	●	
INSTALLER	Supervision							●
	Group control		●	●	●	●	●	
	Centralized control					●	●	
	Heating only mode			●	●	●	●	
	Defaults, failures display	●	●	●	●	●	●	



1 DISPLAY

Information is displayed when the remote control is on.

Operating mode		Automatic
		Heating
		Cooling
		Ventilation only
		Dehumidify (drying mode)
		Send data to the air conditioner receiver
		Clock (hours and minutes)
		"TIME ON" function configured and activated
		Fonction "TIME OFF" configurée et activée
		Programming repeat function
		SLEEP operating mode
		QUIET mode
		CLEANING mode
		IONISER /E.S.F. mode
Description of low battery detection		The low-battery indicator on the remote control will continue to blink when the batteries are low, it may reduce the transmission distance of the remote control and the display becomes blurred. Replace with new batteries immediately. The low-battery indicator will disappear after the batteries have been replaced.
Fan speed indication		Low speed
		Medium speed
		High speed
		Auto fan speed



2 TRANSMITTER

When you press the buttons of the remote control unit, the ▲ symbol appears on the display to transmit the setting changes to the receiver in the air conditioner.

3 SENSOR

The air temperature sensor inside the remote control unit measures the room temperature.

4 ON/OFF BUTTON

This button turns the air conditioner ON and OFF.

5 MODE SELECTOR BUTTON

Press this button to change the mode.

	Automatic. When this mode is selected, the air conditioner calculates the difference between the thermostat setting and the room temperature and automatically switches to "cool" or "heat" mode.
	Heating. The air conditioner heats the ambient air.
	Cooling. The air conditioner cools the room.
	Ventilation only. The air conditioner circulates the air.
	Dehumidify (dry mode). The air conditioner reduces the humidity of the air in the room.
	Cool / Dry / Heat

6 SLEEP/ECO BUTTON

- This button has 2 functions:**
- Sleep function: (short press)
 - Economy function (long press)

For more details, refer to "SLEEP mode function" and "ECONOMY mode function".

7 "I FEEL" BUTTON FOR DETECTION AND DISPLAY OF ROOM TEMPERATURE

Activates temperature sensing in the vicinity of the remote control. This function is available in AUTO, COOL and HEAT mode.

8 ION/CLEAN BUTTON

- This button has 2 functions:**
- The ION (ioniser) function: short press
 - The CLEAN function: long press

For more details, refer to "IONISER mode function (OPTIONAL)" and "CLEAN mode function".

9 TURBO BUTTON

Activates the TURBO function to speed up heating or cooling.

10 TIMER BUTTON (PROGRAMMING)

Activates/deactivates PROGRAMMING.

For more details, refer to "SETTING THE TIMER".





11 TEMPERATURE SETTING BUTTONS

- - (**cooler**). Reduce the set temperature.
- + (**warmer**). Increase the set temperature.

Press the "-" and "+" buttons simultaneously to lock or unlock the keypad.

12 FAN SPEED SELECTOR BUTTON

Press this button to change the mode.

 AUTO	The fan speed is selected automatically.		High speed
	Medium speed		Low speed

Press this button for at least 2 seconds to activate Silent mode.

13 HORIZONTAL AIR SWEEP BUTTON

If the air conditioner has a horizontal sweep motor, press the button to activate automatic horizontal air sweeping.

14 VERTICAL SWING BUTTON

Activates automatic vertical air sweep swing.

For more details, refer to "ADJUSTING THE Airflow DIRECTION".

15 SET/CLEAR BUTTONS

- **SET button.** Selects the following functions: setting the time/setting the programming ON/OFF. For details, refer to "SETTING THE CURRENT TIME" and "SETTING THE TIMER".
- **CLEAR button.** Press the CLEAR button to cancel all programming operations.

16 LIGHT/EYE BUTTONS

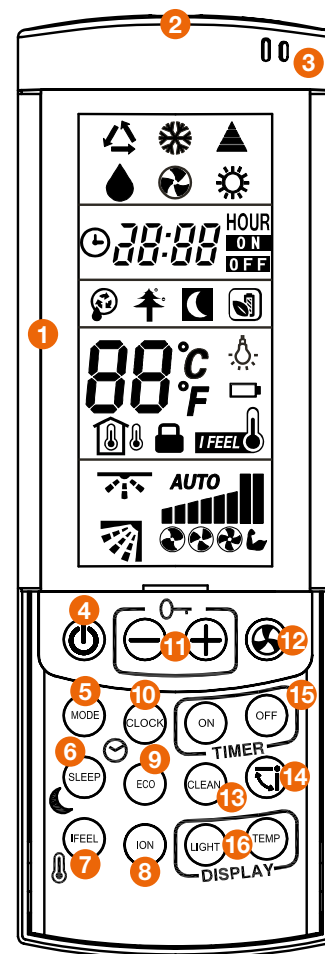
- **LIGHT button.** Press this button to turn the indoor unit display ON/OFF. Turns beep ON/OFF.
- **EYE button (optional).** Detects human presence in the room and activates start or standby mode.



1 DISPLAY

Information is displayed when the remote control is on.

Operating mode		Automatic
		Heating
		Cooling
		Ventilation only
		Dehumidify (drying mode)
		Send data to the air conditioner receiver
		Clock (hours and minutes)
		"TIME ON" function configured and activated
		"TIME OFF" function configured and activated
		CLEANING mode
		SLEEP operating mode
		IONISER /E.S.F. mode
		ECONOMY mode
		Selects or indicates the room temperature
	Description of low battery detection	
Fan speed indication		Low speed
		Medium speed
		High speed
		Auto fan speed
		TURBO function



2 TRANSMITTER

When you press the buttons of the remote control unit, the ▲ symbol appears on the display to transmit the setting changes to the receiver in the air conditioner.

3 SENSOR

The air temperature sensor inside the remote control unit measures the room temperature.

4 ON/ OFF BUTTON

This button turns the air conditioner ON and OFF.

5 MODE SELECTOR BUTTON

Press this button to change the mode.

	Automatic. When this mode is selected, the air conditioner calculates the difference between the thermostat setting and the room temperature and automatically switches to "cool" or "heat" mode.
	Heating. The air conditioner heats the ambient air.
	Cooling. The air conditioner cools the room.
	Ventilation only. The air conditioner circulates the air.
	Dehumidify (dry mode). The air conditioner reduces the humidity of the air in the room.
	Cool / Dry / Heat

6 SLEEP/ECO BUTTON

This button has 2 functions:
 → Sleep function: (short press)
 → Economy function (long press)

For more details, refer to "SLEEP mode function" and "ECONOMY mode function".

7 "I FEEL" BUTTON FOR DETECTION AND DISPLAY OF ROOM TEMPERATURE

Activates temperature sensing in the vicinity of the remote control. This function is available in AUTO, COOL and HEAT mode.

8 ION BUTTON

This button has 2 functions:
 → The ION (ioniser) function: short press
 → The CLEAN function: long press

For more details, refer to "IONISER mode function (OPTIONAL)" and "CLEAN mode function".

9 ECO BUTTON (ECONOMY)

→ **Cooling.** Adjust the temperature automatically to save energy. The temperature display will show "SE".
 → **Heating.** Select heating level 8. The remote control display shows temperature "8° C".

10 CLOCK BUTTON

The clock shows the current time.

For more details, refer to "Setting the current time".






11 TEMPERATURE SETTING BUTTONS

→ **- (cooler).** Reduce the set temperature.
 → **+ (warmer).** Increase the set temperature.

Press the "-" and "+" buttons simultaneously to lock or unlock the keypad.

12 FAN SPEED SELECTOR BUTTON

Press this button to change the mode.

 AUTO	The fan speed is selected automatically.		High speed
	Medium speed		Low speed
	TURBO function		

13 CLEAN BUTTON

This button deactivates the cleaning function in cooling and dehumidify mode.

14 SWING BUTTON

Activates air supply flap swinging in various positions or automatic tilting.
 For more details, refer to "ADJUSTING THE Airflow DIRECTION".

15 TIMER BUTTONS (ON/OFF)

Press the ON or OFF button to activate the setting procedure.
 For more details, refer to "SETTING THE TIMER".

16 LIGHT/TEMP BUTTONS

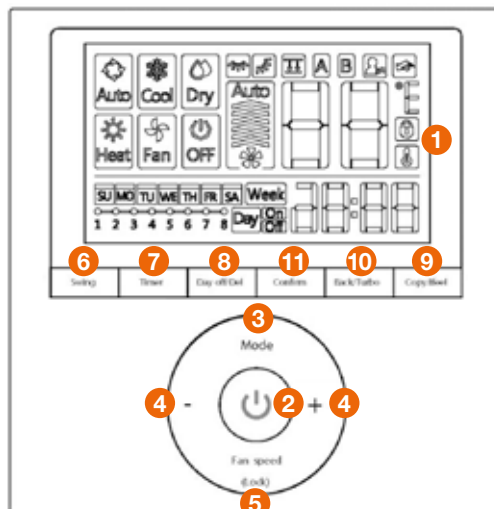
→ **LIGHT button.** Displays the set temperature, the room temperature or the outside temperature.
 → **TEMP button.** Enables or disables the remote control display.



1 DISPLAY

Information is displayed when the remote control is on.

	Operating mode
	Ventilation speed
	Left-right flap position
	Up/down flap position
	Panel (not used)
	Master/slave unit
	"I Feel" function
	Turbo or auxiliary heating mode
	Degrees (°C/°F)
	Temperature display
	Remote control lock
	Ambient temperature
	Time display
	Programming ON/OFF
	Programming display



2 ON/ OFF BUTTON

To start/stop use, press the ON/OFF button.

3 MODE SELECTOR BUTTON

Press the MODE button to set the mode of use. (The Heat function is not valid for a Cool only type unit.)

	Automatic. When this mode is selected, the air conditioner calculates the difference between the thermostat setting and the room temperature and automatically switches to "cool" or "heat" mode.
	Cooling. The air conditioner cools the room.
	Dehumidify (dry mode). The air conditioner reduces the humidity of the air in the room.
	Heating. The air conditioner heats the ambient air.
	Ventilation only. The air conditioner circulates the air.
	The air conditioner is off.

4 TEMPERATURE SETTING BUTTONS





- - (**cooler**). Reduce the set temperature.
- + (**warmer**). Increase the set temperature.

5 FAN SPEED SELECTION BUTTON





Press the button to set the ventilation speed.
(This button is not available in Auto or Dehumidify mode)

Press the "Fan speed (Lock)" button for 3 seconds to activate the locking function and lock all the buttons on the wired remote control.


6 VERTICAL/HORIZONTAL SWING BUTTON

	Press the "SWING" button to start the up/down flap movement. Press it again to stop it. When the function is activated, the  icon appears.
	Keep pressing the "SWING" button to start the left/right flap movement. Press it again to stop it. When the function is activated, the  icon appears.


7 TIMER BUTTON (PROGRAMMING)

	WEEKLY programming Use this programming function to set the operating hours for each day of the week.
	Programming ON
	Programming OFF
	Programming ON/OFF Use this programming function to start and stop the air conditioner. The timer is activated and the air conditioner starts, and stops when the set time has elapsed.




6 + 7 BUTTON BEEP FUNCTION

	Press the "SWING" and "TIMER" buttons simultaneously for 3 seconds to deactivate the button beep.
---	---


8 DAY OFF/DEL BUTTON

	This button has 2 functions: → The DAY OFF function: press this button to set the day on which the air conditioner will not operate due to absence. → The DEL function: to cancel the time, mode, temperature and fan speed.
---	---

9 "I FEEL" BUTTON FOR DETECTION AND DISPLAY OF ROOM TEMPERATURE

	Activates temperature sensing in the vicinity of the remote control. This function is available in AUTO, COOL and HEAT mode. When the "I FEEL" icon  the room temperature in the vicinity of the wired remote control is detected.
	When programming, this button copies the setting for one day to another day.

10 TURBO BUTTON

	→ Press the "BACK/TURBO" button to activate/deactivate the Turbo/Auxiliary heating function. → The BACK function: when programming, this button allows you to go back a step.
---	--

11 CONFIRM BUTTON

	Confirms the programmed action.
---	---------------------------------

MANAGEMENT OF ALARM CODES

A malfunction code indicates the error code, which may be useful for servicing purposes.

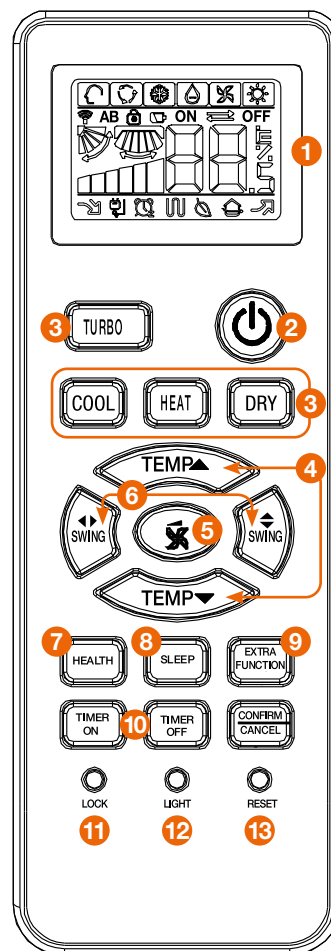
N°	Explanation of the alarm code	Display
1	Communication error between the remote control and the indoor unit.	F0
2	The circuit board is faulty.	F1



1 DISPLAY

Information is displayed when the remote control is on.

Operating mode		Automatic
		Cooling
		Dehumidify (drying mode)
		Heating
		Ventilation only
		Signal being sent
		Position display
		Locking
		Timer ON/OFF
		Temperature display
		SILENT mode
		STANDBY mode
		ASSISTED HEATING mode
Description of low battery detection		The low-battery indicator on the remote control will continue to blink when the batteries are low, it may reduce the transmission distance of the remote control and the display becomes blurred.
Fan speed indication		Low speed
		Medium speed
		High speed
	AUTO	Auto fan speed



2 ON/ OFF BUTTON

This button turns the air conditioner ON and OFF.

3 MODE SELECTOR BUTTON

Press this button to change the mode.

	Automatic. The air conditioner automatically selects the Cooling or Heating mode depending on the room temperature. When VENTILATION is set to AUTO, the air conditioner automatically adjusts the fan speed according to the room temperature.
	Heating. Warm air is blown for a short time to prevent cold draughts. When switching from one indoor unit to two or more units, the unit in the OFF mode will not blow air for the first 7 minutes, and the temperature displayed may be different from the actual temperature.
	Cooling. The air conditioner cools the room.
	Ventilation only. The appliance will not operate in COOLING or HEATING mode, and will operate in VENTILATION mode only; AUTO is not available when VENTILATION mode is selected. And temperature setting is disabled. In VENTILATION mode, the standby function is not available.
	Dehumidify (dry mode). When the room temperature is 2 °C lower than the set temperature, the appliance operates intermittently at LOW speed, regardless of the VENTILATION setting.

4 TEMPERATURE SETTING BUTTONS

- **TEMP ▲ (warmer).** Each time the button is pressed, the temperature setting increases by 1°C; press and hold the button to quickly increase this value.
- **TEMP ▼ (cooler).** Each time the button is pressed, the temperature setting decreases by 1 °C; press and hold the button to quickly reduce this value.








5 FAN SPEED SELECTOR BUTTON



Presser ce bouton pour changer de mode.

AUTO	The air conditioner automatically adjusts the fan speed according to the room temperature.		High speed
	Medium speed		Low speed

6 SWING BUTTONS

Press these buttons to change mode.

SWING  Horizontal swing		Position 1: COOLING/DEHUMIDIFY/AUTO (initial state)
		Position 1: HEATING (initial state)
		Position 2
		Position 3
		Position 4: Auto sweep
		Position 5: No movement

- Press the **SWING**  button: the position changes as shown for Position 4.
- Press the **SWING**  button again: the vertical deflector stops at the current position and the sweep function is deactivated.
- Press the **EXTRA FUNCTION** button to access the additional options: Position 2/Position 3.
- Left and right air flow adjustment (manual).
Move the vertical blade on the air conditioner one notch for left and right direction, referring to the illustration.



7 HEALTH BUTTON

Health button

8 SLEEP BUTTON

Sleep button

STANDBY FUNCTION

Press the **EXTRA FUNCTION** button to access the additional options, when you switch the screen to  ,  flashes. Then press **CONFIRM CANCEL** to access the standby function.

- **In COOLING, or DRY mode:** One hour after starting STANDBY mode, the temperature will be 1°C higher than the temperature setting.
- **In HEATING mode:** One hour after starting STANDBY mode, the temperature will be 2°C lower than the temperature setting.
- **In AUTO mode:** The device operates in the corresponding standby mode appropriate for the automatically selected operating mode.
- **In VENTILATION mode:** No STANDBY function.


Note: When the TIMER function is activated, the standby function cannot be activated.

9 EXTRA FUNCTION BUTTON

→ POWER operation

You can use this function when you need fast heating or cooling. Press the **EXTRA FUNCTION** button to access the additional options, when you switch the screen to  , flashes. Then press **CONFIRM CANCEL** to access the Power function.

→ SILENT operation

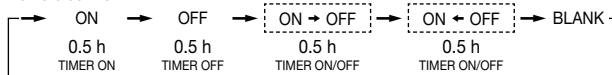
Use this function when you need silence to read or rest. Press the SILENT button, the remote control displays  , then activate the Silent function.

10 TIMER BUTTON (PROGRAMMING)

Once the appliance has started, select the desired operating mode:

- Press the **TIMER ON** button to change the TIMER mode. Each time the button is pressed, the display changes as follows:

Remote control:



Then select the desired TIMER mode (**TIMER ON** or **TIMER OFF** or TIMER ON-OFF). "ON" or "OFF" will flash.

- Press the **▲ / ▼** button to set the time.
Each time the **▲** button is pressed, the time setting increases by 0.5 hour for the first 12 hours, then by 1 hour.
Each time the **▼** button is pressed, the time setting decreases by 0.5 hour for the first 12 hours, then by 1 hour.
The setting can be applied for up to 24 hours.
- **To confirm the time setting**
After setting the time, press the **CONFIRM CANCEL** button and confirm the time. The ON or OFF button will stop flashing.
- **To cancel the time setting**
Press the TIMER button repeatedly until the time display is cleared.

Tips:

After replacing the batteries or if a power failure occurs, the time must be reset.

Depending on the **TIMER ON** or **TIMER OFF** times, On-Off or Off-On will occur.

11 LOCK BUTTON

Locks the buttons and LCD display.

12 LIGHT BUTTON

Controls the switching on and off of the display diodes

13 RESET BUTTON

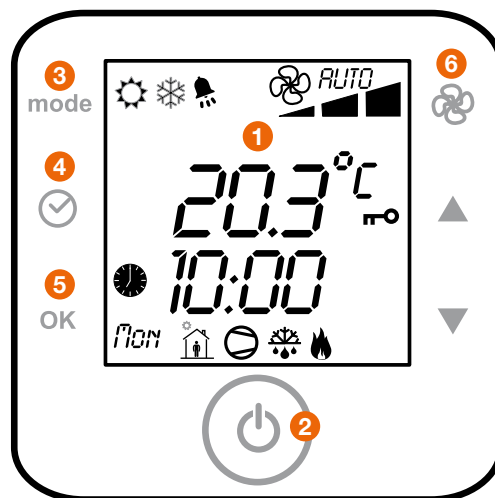
Press this button to reset the remote control if operation is abnormal.



1 DISPLAY

Information is displayed when the remote control is on.

	Operating mode: summer
	Operating mode: winter
<i>AUTO</i>	Operating mode: automatic
	Exhaust fan speed
	Alarm present
	Keypad locked
	Time bands active if the clock is visible
	Time band active
	Compressor active
	Defrosting in progress
	Auxiliary heater (electrical resistances, hot water coil)



2 ON/ OFF BUTTON

To start/stop use, press the ON/OFF button.

3 MODE SELECTOR BUTTON

Press this button to change the mode.

	Summer/Cooling. The air conditioner cools the room.
	Winter/Heating. The air conditioner heats the ambient air.
<i>AUTO</i>	Automatic. When this mode is selected, the air conditioner calculates the difference between the thermostat setting and the room temperature and automatically switches to cooling or heating mode.

It is possible to modify the operating setpoint at any time using the ▲▼ buttons.

4 CHANGING THE TIME OR DAY

- Press the CLOCK button for 5 sec.
- Using the ▲▼ buttons select the CLOCK menu
- Confirm with the OK button
- The time flashes: adjust using the ▲▼ buttons
- Confirm with the OK button
- Repeat the procedure for the minutes and the day of the week
- To return to the main screen, select the "Esc" menu and confirm with OK

4 + 5 ON/ OFF BUTTON

Press for 5 seconds to LOCK/UNLOCK the buttons

ECONOMY SETPOINT







The ECO setpoint is optimised to reduce energy consumption:















- **In summer:** the ECO set point is higher than the standard setpoint
- **In winter:** the ECO set point is lower than the standard setpoint

PROGRAMMING TIMING RANGES

4 types of programming are possible:

- 7 days (Monday to Sunday)
- 5 days (Monday to Friday)
- 2 days (Saturday to Sunday)
- Day by day

DAYTIME PROGRAMMING		NIGHT-TIME PROGRAMMING	
 Inside		 Inside	
 Outside		 Outside	
 Return to the house		 Return to the house	

PROGRAMMATION JOUR PAR JOUR			
	1 Press  for 5 seconds		8 Select the next time band using ▲ → Press OK → Repeat the procedure
	2 Select "TIME BANDS" using ▲ ▼ → Press OK		9 Select "ESC" using ▲ ▼ → Press OK
	3 Select "DAY BY DAY" using ▲ ▼ → Press OK		10 → Press OK to programme the next day
	4 → Press OK		11 Select the next day using ▲ ▼ → Press OK → Repeat the procedure
	5 Display the hour using ▲ ▼ → Press OK		9 Select "ESC" to exit using ▲ ▼ → Press OK
	6 Display the minutes using ▲ ▼ → Press OK		13 Select "ESC" to exit using ▲ ▼ → Press OK
	7 Display the temperature using ▲ ▼ → Press OK		

PROGRAMMING ON/OFF

	1 Press  to deactivate time band programming		2 Programming deactivated: symbol hidden 
---	--	---	---

ALARMS

Possible malfunctions are indicated on the display by the ALARM icon. Before resetting an alarm, identify and remove the cause that generated it. Repeated resets can cause irreversible damage such as a system malfunction.

To reset a present alarm:

- Press Mode + Clock for 5 sec.

PARAMETERS

The configuration parameters are password protected to avoid unintentional changes which might affect the operation of the unit.

To access the parameters:

- 1. Press ON/OFF + FAN for 5 seconds
- 2. Enter the password: using the ▲ ▼ buttons. Code = 2
- 3. Confirm with OK
- 4. Select the PAR menu and confirm with OK
- 5. Scroll through the list ▲ ▼
- 6. Select the parameter with OK
- 7. Change the value ▲ ▼ and confirm with OK
- 8. Scroll up to exit

For more details, refer to "PARAMETERS" in the manual.

STATUSES

To access statuses:



- Press ON/OFF + FAN for 5 seconds.



A series of 25 horizontal dotted lines spaced evenly down the page, intended for writing or drawing.

High wall range



MODEL NAME	Fluid type	Page	kBTU/h kW	9 2.5	12 3.5	18 5	24 7
 HIGH WALL Optimum comfort: quiet, high filtration, WiFi	HDH	R32	22	●	●	●	●
 HIGH WALL Operates with refrigerant with low environmental impact	HKD	R32	24	●	●	●	●



DC Inverter
Cooling & heating

HDH HIGH WALL



+ PRODUCTS

- RC08C remote control included (see page 10)
- Ioniser + high efficiency filtration
- 4D airflow
- High performance
- Clean design
- Weekly programming (optional)
- Dry contact (optional)
- Compatible with the Multisplit YDZC range

FEATURES

TECHNOLOGY:



AIR QUALITY/CLEAN:



USER FUNCTIONS:



INSTALLER FUNCTIONS:



CERTIFICATION

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



- Certified in Monosplit configuration

THE «SUSTAINABLE DEVELOPMENT»

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

THE «USER»

- Built-in WiFi
- Optimal air diffusion
- Quiet (20 dB)
- Multiple applications connectable using the dry contact: room card, presence detection

THE «INSTALLER»

- Installer mode on remote control

THE «TECHNOLOGY»

- High corrosion resistance with the Golden Fin
- Coolant leak detection
- High performance at -15 °C



ULTRA-PUR AIR THANKS TO:

- Cold catalyst and high density filters: **anti small dust particles.**
- Active carbon filter: **deodorizer.**
- Ionizer and silver ion filter: **antibacterial.**

OPTIONS

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

HDH TECHNICAL DATA

Indoor unit		AW-HDH009-N91	AW-HDH012-N91	AW-HDH018-N91	AW-HDH024-N91
Outdoor unit		AW-YHDH009-H91	AW-YHDH012-H91	AW-YHDH018-H91	AW-YHDH024-H91
Phase		Single phase	Single phase	Single phase	Single phase
COOLING					
Rated power (min./max.)	kW	2.84 (1.02-3.19)	3.52 (0.82-4.16)	5.28 (1.73-6.21)	7.32 (2.58-8.43)
Pdesignc	kW	2.70	3.50	5.30	7.20
Rated power input	kW	0.71	1.09	1.7	2.21
SEER/Energy label		7.6/A++	7.1/A++	6.6/A++	6.6/A++
Operating limits	°C	-15°/50° Dry bulb			
HEATING					
Rated power (min./max.)	kW	2.77 (0.88-3.66)	3.74 (0.85-4.77)	5.58 (1.05-6.97)	7.54 (1.52-9.43)
Pdesignh (average climate)	kW	2.70	2.80	3.90	5.10
Pdesignh (warmer climate)	kW	3.10	3.20	4.40	6.30
Rated power input	kW	0.66	1.02	1.47	2.19
SCOP/Energy Label (average climate)		4.1/A+	4/A+	4/A+	4/A+
SCOP/Energy Label (warmer climate)		5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++
Operating limits	°C	-15°/30° Dry bulb			
Power @ -10 °C	kW	2.31	2.36	4.28	5.89
Power @ -15 °C	kW	2.15	2.19	3.76	5.36
INDOOR UNIT					
Sound pressure level to 1 m (VL/LS/MS/HS)	dB (A)	20/23/29/39	21/22/30/38	22/28/33/41	26/30/40/46
Sound power level	dB (A)	54	56	58	62
Airflow (LS/MS/HS)	m³/h	230/309/416	294/459/515	420/505/750	640/830/1020
Dehumidification	l/h	1	1.2	1.7	2.4
Outline dimensions (WxHxD)	mm	722x290x187	802x297x189	965x319x215	1080x335x226
Package dimensions (WxHxD)	mm	790x370x270	875x375x285	1045x405x305	1155x415x315
Net weight/Gross weight	kg	7.4/9.6	8.2/10.7	10.8/14.1	12.9/16.5
Part number		7SP023186	7SP023187	7SP023188	7SP023189
OUTDOOR UNIT					
Sound pressure level to 1 m	dB (A)	55	54	57	60
Sound power level	dB (A)	59	60	64	66
Airflow	m³/h	2000	2000	2100	2700
Compressor type		Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm	770x555x300	770x555x300	800x554x333	845x700x320
Package dimensions (WxHxD)	mm	900x585x345	900x585x345	920x615x390	965x765x395
Net weight/Gross weight	kg	27.2/29.7	27/29.4	37/39.9	50/53.1
Part number		7SP063035	7SP063036	7SP063037	7SP063038
POWER SUPPLY					
Phase/Voltage/Frequency		1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating am (D curve)	A	10	10	16	25
Electrical connections	mm²	5x1.5	5x1.5	5x1.5	5x2.5
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Max. length	m	25	25	30	50
Max. height	m	10	10	20	25
Refrigerant/GWP		R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg	0.7	0.8	1.25	1.6
Additional charge	g/m	12	12	12	24

COMBINATIONS

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



DC Inverter
Cooling & heating

HKD HIGH WALL



+ PRODUCTS

- RC08C remote control included (see page 10)
- Discreet digital display
- "I Feel" comfort
- Compatible with the Multisplit YDZC range

FEATURES

TECHNOLOGY:



GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:



AIR FILTER



AUTO CLEAN/DRY

USER FUNCTIONS:



I FEEL



NIGHT MODE



REFRIGERANT LEAKAGE DETECT



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)



REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:



ERROR CODE VIA INDOOR UNIT



SELF DIAGNOSTIC



LEFT/RIGHT DRAIN CONNECTION



HEATING ONLY MODE

CERTIFICATION

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



- Certified in Monosplit configuration

THE «SUSTAINABLE DEVELOPMENT»

- High energy class A++ (cooling mode)/A+ (heating mode)
- Energy savings with heating mode only, setpoint limits

THE «USER»

- User comfort ("I Feel", WiFi as option)

THE «INSTALLER»

- Technician mode on remote control

THE «TECHNOLOGY»

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

Longer product lifetime: Golden Fin exchanger and anti-corrosion treatment on PCB.



OPTIONS

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

HKD TECHNICAL DATA


Indoor unit		AW-HKD009-N91	AW-HKD012-N91	AW-HKD018-N91	AW-HKD024-N91
Outdoor unit		AW-YKD009-H91	AW-YKD012-H91	AW-YKD018-H91	AW-YKD024-H91
Phase		Single phase	Single phase	Single phase	Single phase
COOLING					
Rated power (min./max.)	kW	2.64 (0.91-3.40)	3.52 (1.11-4.16)	5.28 (1.82-6.13)	7.03 (2.08-7.95)
Pdesignc	kW	2.70	3.50	5.20	7.00
Rated power input	kW	0.71	1.24	1.54	2.35
SEER/Energy label		6.2/A++	6.1/A++	7.1/A++	6.1/A++
Operating limits	°C	-15°/50° Dry bulb			
HEATING					
Rated power (min./max.)	kW	2.93 (0.82-3.37)	3.81 (1.08-4.22)	5.57 (1.38-6.74)	7.33 (1.61-8.79)
Pdesignh (average climate)	kW	2.10	2.30	4.10	4.80
Pdesignh (warmer climate)	kW	2.60	2.70	4.50	6.40
Rated power input	kW	0.74	0.96	1.48	2.04
SCOP/Energy label (average climate)		4/A+	4/A+	4/A+	4/A+
SCOP/Energy label (warmer climate)		4.9/A++	4.6/A++	5.2/A+++	5.0/A++
Operating limits	°C	-20°/30° Dry bulb			
Power @ -10 °C	kW	2.00	2.30	4.00	5.10
Power @ -15 °C	kW	1.80	2.10	3.60	4.80
INDOOR UNIT					
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	21/26/30/40	22/26/34/40	25/30/37/44	28/34/42/44
Sound power level	dB(A)	53	53	55	59
Airflow (LS/MS/HS)	m³/h	360/460/520	360/500/600	540/680/840	662/817/980
Outline dimensions (WxHxD)	mm	805x285x194	805x285x194	957x302x213	1040x327x220
Package dimensions (WxHxD)	mm	870x360x270	870x360x270	1035x380x295	1120x405x310
Net weight/Gross weight	kg	7.5/9.7	7.5/9.7	10/13	12.3/15.8
Part number		7SP023135	7SP023136	7SP023137	7SP023138
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	55	56	56	59
Sound power level	dB(A)	61	65	61	67
Airflow	m³/h	1700	1700	2500	3000
Compressor type		Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm	700x550x275	700x550x275	800x554x333	845x702x363
Package dimensions (WxHxD)	mm	815x615x325	815x615x325	920x615x390	965x765x395
Net weight/Gross weight	kg	22.7/25.2	22.7/25.2	34/36.7	51.5/54.5
Part number		7SP063040	7SP063041	7SP063042	7SP063043
POWER SUPPLY					
Phase/Voltage/Frequency		1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating am (D curve)	A	10	10	16	20
Electrical connections	mm²	5x1.5	5x1.5	5x1.5	5x2.5
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Max. length	m	25	25	30	50
Max. height	m	10	10	20	25
Refrigerant/GWP		R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg	0.5	0.5	1	1.6
Additional charge	g/m	12	12	12	24

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
	Monosplit	Multisplit
High wall		
HKD 9 à 24	<p>YKD</p> 	<p>YDZC</p> 

Multisplit DCI range

Combination table

OUTDOOR UNITS			Fluid type	kW	Max. num. of indoor units	Page
YDZC R32 refrigerant	YDZC218		R32	5.3	2	28 & 32
	YDZC327		R32	7.8	3	28 & 32
	YDZC436		R32	8.5	4	28 & 33
	YDZC542		R32	12.3	5	28 & 34



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



DC Inverter
Cooling & heating

YDZC MULTISPLIT



+ PRODUCTS

- Flexy Match (compatible with a large part of the range)
- Total length of tubes up to 80 m
- High power compared with market average
- Electronic expansion valve

FEATURES

TECHNOLOGY:



INSTALLER FUNCTIONS:



CERTIFICATION

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



* models so marked are not Eurovent certified

THE «SUSTAINABLE DEVELOPMENT»

- High energy class A++ (cooling mode)/A+ (heating mode)
- Energy savings (heating mode only, setpoint limits)

THE «USER»

- A large choice of indoor units
- Small footprint with a single outdoor unit

THE «INSTALLER»

- Scalable and flexible installation
- Long piping

THE «TECHNOLOGY»

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

COMPATIBLE WITH

HIGH WALL HDH
9/12/18/24

HIGH WALL HKD
9/12/18/24

DUCTED MEDIUM STATIC
PRESSURE DDM 12/18



CASSETTE CDM
9X/12/18

CONSOLE XDM
12X/18



Golden Fin: anti-corrosion protection on the exchanger



YDZC TECHNICAL DATA

Outdoor unit			AW-YDZC218-H91	AW-YDZC327-H91*	AW-YDZC436-H91*	AW-YDZC542-H91*
Phase			Single phase	Single phase	Single phase	Single phase
OUTDOOR UNIT						
Cooling	Rated power (min./max.)	kW	5.27 (1.13-5.56)	7.91 (2.16-8.49)	10.55 (3.64-12.31)	12.31 (2.98-12.60)
	Pdesignc	kW	5.20	8.00	11.00	13.00
	Rated power input	kW	1.61	2.45	3.30	4.32
	SEER/Energy label		6.1/A++	6.2/A++	6.3/A++	6.2/A++
	Operating limits	°C	-15°/50° Dry bulb			
Heating	Rated power (min./max.)	kW	5.57 (1.79-5.86)	8.21 (2.04-9.37)	10.84 (2.85-12.02)	12.30 (2.75-12.60)
	Pdesignh (average climate)	kW	5.00	5.60	9.00	9.20
	Pdesignh (warmer climate)		5.10	5.70	9.10	9.30
	Rated power input	kW	1.39	2.10	2.76	3.10
	SCOP/Energy label (average climate)		4/A+	3.8/A	4/A+	3.6/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			
Sound pressure level to 1 m	dB(A)	56	59	63	64	
Sound power level	dB(A)	63	65	67	69	
Airflow	m³/h	2200	2700	4000	3850	
Compressor type		Rotary	Rotary	Rotary	Rotary	
Outline dimensions (WxHxD)	mm	800x554x333	845x702x363	946x810x410	946x810x410	
Package dimensions (WxHxD)	mm	920x615x390	965x765x395	1090x875x500	1090x875x500	
Net weight/Gross weight	kg	35.5/38.5	51.5/55.8	68.8/75.6	73.3/80.4	
Part number		7SP091191	7SP091192	7SP091183	7SP091184	
POWER SUPPLY						
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor	
Power cable section	mm²	3x2.5	3x2.5	3x2.5	3x4	
Fuse rating am (D curve)	A	20	20	25	32	
Electrical connections	mm²	2 x (4x1.5)	3 x (4x1.5)	4 x (4x1.5)	5 x (4x1.5)	
PIPE LINE						
Suction pipe diameter	inches	2x3/8"	3x3/8"	3x3/8"+1x1/2"	4x3/8"+1x1/2"	
Liquid pipe diameter	inches	2x1/4"	3x1/4"	4x1/4"	5x1/4"	
Max. length	m	40	60	80	80	
Max. length per circuit	m	25	30	35	35	
Max. height between indoor and outdoor units	ODU higher than IDU	m	15	15	15	15
	ODU lower than IDU	m	15	15	15	15
Max. height between indoor units	m	10	10	10	10	
Refrigerant/GWP	kg	R32/675	R32/675	R32/675	R32/675	
Charge	kg	1.25	1.72	2.1	2.4	
Totale length charge	m	15	22.5	30	37.5	
Additional charge	g/m	12	12	12	12	



HIGH WALL
HDH 9/12/18/24



HDH INDOOR UNITS TECHNICAL DATA

Indoor unit		AW-HDH009-N91	AW-HDH012-N91	AW-HDH018-N91	AW-HDH024-N91
Phase		Single phase	Single phase	Single phase	Single phase
Cooling rated capacity	kW	2.84	3.52	5.28	7.32
Heating rated capacity	kW	2.77	3.74	5.58	7.54
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	20/23/29/39	21/22/30/38	22/28/33/41	26/30/40/46
Sound power level	dB(A)	54	56	58	62
Airflow (LS/MS/HS)	m³/h	230/309/416	294/459/515	420/505/750	640/830/1020
Dehumidification	l/h	1	1.2	1.7	2.4
Outline dimensions (WxHxD)	mm	722x290x187	802x297x189	965x319x215	1080x335x226
Package dimensions (WxHxD)	mm	790x370x270	875x375x285	1045x405x305	1155x415x315
Net weight/Gross weight	kg	7.4/9.6	8.2/10.7	10.8/14.1	12.9/16.5
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Part number		7SP023186	7SP023187	7SP023188	7SP023189

HIGH WALL
HKD 9/12/18/24



HKD INDOOR UNITS TECHNICAL DATA

Indoor unit		AW-HKD009-N91	AW-HKD012-N91	AW-HKD018-N91	AW-HKD024-N91
Phase		Single phase	Single phase	Single phase	Single phase
Cooling rated capacity	kW	2.64	3.52	5.28	7.03
Heating rated capacity	kW	2.93	3.81	5.57	7.33
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	21/26/30/40	22/26/34/40	25/30/37/44	28/34/42/44
Sound power level	dB(A)	53	53	55	59
Airflow (LS/MS/HS)	m³/h	340/460/520	360/500/600	540/680/840	662/817/980
Outline dimensions (WxHxD)	mm	805x285x194	805x285x194	957x302x213	1040x327x220
Package dimensions (WxHxD)	mm	870x360x270	870x360x270	1035x380x295	1120x405x310
Net weight/Gross weight	kg	7.5/9.7	7.5/9.7	10/13	12.3/15.8
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Part number		7SP023135	7SP023136	7SP023137	7SP023138

DUCTED MEDIUM STATIC PRESSURE DDM 12/18



DDM INDOOR UNITS TECHNICAL DATA

Indoor unit		AW-DDM012-N91	AW-DDM018-N91
Phase		Single phase	Single phase
Cooling rated capacity	kW	3.52	5.28
Heating rated capacity	kW	4.10	5.86
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	26/31/35	33/38/42
Sound power level	dB(A)	56	59
Airflow (LS/MS/HS)	m³/h	300/480/600	350/650/880
External static pressure (standard/max.)	Pa	10 (0-60)	25 (0-100)
Dehumidification	l/h	1.5	2.0
Outline dimensions (WxHxD)	mm	700x200x506	880x210x674
Package dimensions (WxHxD)	mm	860x285x540	1070x280x725
Net weight/Gross weight	kg	18/22	24.3/29.6
PIPE LINE			
Suction pipe diameter	inches	3/8"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"
Part number		7SP033031	7SP033032

CASSETTE
CDM 9X/12/18

CONSOLE
XDM 12X/18



CDM & XDM INDOOR UNITS TECHNICAL DATA

Indoor unit		AW-CDM009X-N91	AW-CDM012-N91	AW-CDM018-N91	AW-XDM012X-N91	AW-XDM018-N91
Phase		Single phase	Single phase	Single phase	Single phase	Single phase
Cooling rated capacity	kW	2.6	3.52	5.28	3.5	4.82
Heating rated capacity	kW	2.9	4.4	5.42	3.8	4.95
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	31/34/39	33/36/41	35/39/42	35/41/43	35/39/42
Sound power level	dB(A)	54	56	56	58	60
Airflow (LS/MS/HS)	m³/h	400/504/580	416/504/617	540/625/720	370/480/512	400/480/560
Dehumidification	l/h	1.2	1.5	2	1.5	2
Outline dimensions (WxHxD)	mm	570x260x570	570x260x570	570x260x570	700x210x600	700x210x600
Package dimensions (WxHxD)	mm	662x317x662	662x317x662	662x317x662	810x305x710	810x305x710
Net weight/Gross weight	kg	14.5/17.3	16.2/21.4	16.2/21.4	14.8/19	14.8/19.1
FRAME						
Outline dimensions (WxHxD)	mm	647x50x647	647x50x647	647x50x647		
Package dimensions (WxHxD)	mm	715x123x715	715x123x715	715x123x715		
Net weight/Gross weight	kg	2.5/4.5	2.5/4.5	2.5/4.5		
Frame part number		7ACVF0566	7ACVF0566	7ACVF0566		
PIPE LINE						
Suction pipe diameter	inches	3/8"	3/8"	1/2"	3/8"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"	1/4"
Part number		7SP042261X	7SP042262	7SP042263	7SP071413X	7SP071414



DC Inverter
Cooling & heating

YDZC COMBINATIONS

COMPATIBLE
WITH



HIGH WALL HDH
9/12/18/24



HIGH WALL HKD
9/12/18/24



DUCTED MEDIUM STATIC
PRESSURE DDM 12/18



CASSETTE CDM
9X/12/18



CONSOLE
XDM 12X/18



YDZC218 MULTISPLIT DUO

Indoor unit combinations	COOLING									HEATING								
	Rated power (kW)		Total power (kW)			Total input power (kW)			SEER/ Energy label	Rated power (kW)		Total power (kW)			Total input power (kW)			SCOP/ Energy label
	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.		Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.	
9+9	2.6	2.6	2.08	5.20	6.29	0.58	1.6	2.01	6.10/A++	2.79	2.79	2.23	5.57	6.74	0.49	1.39	1.88	4.00/A+
9+12	2.27	3.03	2.15	5.30	6.35	0.6	1.62	2.03	6.10/A++	2.44	3.26	2.23	5.70	6.74	0.53	1.45	1.92	4.00/A+
12+12	2.70	2.70	2.33	5.40	6.40	0.67	1.67	2.06	6.10/A++	2.98	2.98	2.23	5.95	6.74	0.60	1.50	1.96	4.00/A+

Based on wall mounted combination



YDZC327 MULTISPLIT TRIO

Indoor unit combinations	COOLING									HEATING										
	Rated power (kW)			Total power (kW)			Total input power (kW)			SEER/ Energy label	Rated power (kW)			Total power (kW)			Total input power (kW)			SCOP/ Energy label
	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.		Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	
9+9	2.68	2.68	-	2.21	5.37	7.11	0.63	1.66	2.44	6.10/A++	3.01	3.01	-	2.30	6.01	7.38	0.57	1.65	2.18	3.80/A
9+12	2.68	3.57	-	2.21	6.24	7.51	0.63	1.93	2.56	6.10/A++	2.90	3.87	-	2.30	6.77	7.79	0.57	1.83	2.29	3.80/A
9+18	2.63	5.27	-	2.21	7.90	7.90	0.63	2.44	2.68	6.10/A++	2.73	5.47	-	2.30	8.20	8.20	0.57	2.18	2.40	3.80/A
12+12	3.56	3.56	-	2.21	7.12	7.66	0.63	2.20	2.63	6.10/A++	3.76	3.76	-	2.30	7.53	7.95	0.57	2.02	2.36	3.80/A
12+18	3.20	4.80	-	2.84	8.00	8.80	0.80	2.50	2.95	6.10/A++	3.36	5.04	-	2.96	8.40	9.12	0.73	2.24	2.69	3.80/A
9+9+9	2.63	2.63	2.63	2.77	7.90	8.69	0.76	2.44	2.90	6.20/A++	2.73	2.73	2.73	2.87	8.20	9.02	0.68	2.18	2.66	4.00/A+
9+9+12	2.40	2.40	3.20	2.84	8.00	8.80	0.80	2.50	2.95	6.20/A++	2.52	2.52	3.36	2.96	8.40	9.12	0.73	2.24	2.69	4.00/A+
9+12+12	2.22	2.96	2.96	2.90	8.13	8.91	0.84	2.54	3.00	6.20/A++	2.35	3.13	3.13	3.05	8.60	9.25	0.76	2.28	2.73	4.00/A+
12+12+12	2.76	2.76	2.76	3.01	8.27	9.03	0.89	2.60	3.05	6.20/A++	2.93	2.93	2.93	3.12	8.80	9.37	0.80	2.30	2.76	4.00/A+

Based on wall mounted combination





YDZC436 MULTISPLIT QUATTRO

Indoor unit combinations	COOLING											HEATING										
	Rated power (kW)				Total power (kW)			Total input power (kW)			SEER/ Energy label	Rated power (kW)				Total power (kW)			Total input power (kW)			SCOP/ Energy label
	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.		Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.	
9+9	2.69	2.69	-	-	2.21	5.38	6.83	0.62	1.73	2.44	6.10/A++	3.07	3.07	-	-	2.33	6.14	7.22	0.53	1.63	2.08	3.50/A
9+12	2.69	3.58	-	-	2.21	6.27	7.35	0.62	2.00	2.60	6.10/A++	3.00	4.00	-	-	2.33	7.00	7.77	0.53	1.84	2.21	3.50/A
9+18	2.68	5.36	-	-	2.21	8.04	9.45	0.62	2.53	2.93	6.10/A++	2.91	5.81	-	-	2.33	8.72	9.99	0.53	2.24	2.49	3.40/A
9+24	2.65	7.06	-	-	2.21	9.71	9.98	0.62	3.02	3.12	6.10/A++	2.82	7.52	-	-	2.33	10.34	10.66	0.53	2.60	2.63	3.40/A
12+12	3.58	3.58	-	-	2.21	7.15	7.88	0.62	2.27	2.76	6.10/A++	3.93	3.93	-	-	2.33	7.86	8.33	0.53	2.04	2.35	3.40/A
12+18	3.57	5.36	-	-	2.21	8.93	9.98	0.62	2.79	2.93	6.10/A++	3.83	5.75	-	-	2.33	9.58	10.55	0.53	2.43	2.49	3.50/A
12+24	3.50	7.00	-	-	2.21	10.50	10.50	0.62	3.25	3.19	6.10/A++	3.70	7.40	-	-	2.33	11.10	10.88	0.53	2.77	2.71	3.40/A
18+18	5.25	5.25	-	-	2.21	10.50	10.50	0.62	3.25	3.25	6.10/A++	5.55	5.55	-	-	2.33	11.10	11.10	0.53	2.77	2.77	3.40/A
9+9+9	2.65	2.65	2.65	-	2.84	7.94	9.98	0.78	2.50	3.41	6.30/A++	2.87	2.87	2.87	-	3.00	8.62	10.55	0.66	2.22	2.91	3.60/A
9+9+12	2.65	2.65	3.53	-	2.84	8.83	10.50	0.78	2.76	3.41	6.30/A++	2.84	2.84	3.79	-	3.00	9.48	11.10	0.66	2.41	2.91	3.60/A
9+9+18	2.63	2.63	5.25	-	2.84	10.50	11.55	0.78	3.25	3.58	6.30/A++	2.78	2.78	5.55	-	3.00	11.10	12.21	0.66	2.77	3.04	3.60/A
9+9+24	2.37	2.37	6.31	-	3.95	11.05	14.54	0.92	3.29	4.03	6.30/A++	2.39	2.39	6.38	-	3.97	11.16	13.45	0.78	2.80	3.63	3.60/A
9+12+12	2.65	3.53	3.53	-	2.84	9.71	11.55	0.78	3.02	3.58	6.30/A++	2.82	3.76	3.76	-	3.00	10.34	12.21	0.66	2.60	3.04	3.60/A
9+12+18	2.42	3.23	4.85	-	2.84	10.50	11.55	0.78	3.25	3.58	6.30/A++	2.56	3.42	5.12	-	3.00	11.10	12.21	0.66	2.77	3.04	3.60/A
9+12+24	2.30	3.07	6.14	-	4.12	11.52	14.86	0.97	3.34	4.06	6.30/A++	2.33	3.10	6.20	-	4.12	11.63	13.56	0.81	2.82	3.65	3.60/A
9+18+18	2.30	4.61	4.61	-	4.12	11.52	14.86	0.97	3.34	4.06	6.30/A++	2.33	4.65	4.65	-	4.12	11.63	13.56	0.81	2.82	3.65	3.60/A
12+12+12	3.50	3.50	3.50	-	2.84	10.50	11.55	0.78	3.25	3.58	6.30/A++	3.70	3.70	3.70	-	3.00	11.10	12.21	0.66	2.77	3.04	3.60/A
12+12+18	3.16	3.16	4.74	-	3.95	11.05	14.54	0.92	3.29	4.03	6.30/A++	3.19	3.19	4.78	-	3.97	11.16	13.45	0.78	2.80	3.63	3.60/A
9+9+9+9	2.63	2.63	2.63	2.63	3.68	10.50	13.65	0.88	3.25	3.97	6.50/A++	2.78	2.78	2.78	2.78	3.89	11.10	13.32	0.75	2.77	3.60	4.00/A+
9+9+9+12	2.55	2.55	2.55	3.40	3.95	11.05	14.54	0.92	3.29	4.03	6.50/A++	2.58	2.58	2.58	3.43	3.97	11.16	13.45	0.78	2.80	3.63	4.00/A+
9+9+9+18	2.30	2.30	2.30	4.61	4.12	11.52	14.86	0.97	3.34	4.06	6.50/A++	2.33	2.33	2.33	4.65	4.12	11.63	13.56	0.81	2.82	3.65	4.00/A+
9+9+12+12	2.37	2.37	3.16	3.16	3.95	11.05	14.54	0.92	3.29	4.03	6.50/A++	2.49	2.49	3.32	3.32	3.97	11.16	13.45	0.78	2.80	3.63	4.00/A+
9+12+12+12	2.30	3.07	3.07	3.07	4.12	11.52	14.86	0.97	3.34	4.06	6.50/A++	2.33	3.10	3.10	3.10	4.12	11.63	13.56	0.81	2.82	3.65	4.00/A+
12+12+12+12	2.88	2.88	2.88	2.88	4.12	11.52	14.86	0.97	3.34	4.06	6.50/A++	2.91	2.91	2.91	2.91	4.12	11.63	13.56	0.81	2.82	3.65	4.00/A+

Based on wall mounted combination

Ducted range



MODEL NAME	Fluid type	Page	kBTU/h kW	12 3.5	18 5	24 7	36 10	45 12.5	60 16
 DUCTED MEDIUM STATIC PRESSURE Designed to fit into tight false ceiling	DDM	R32 - R410A	36	●	●	●	●	●	●
 ZONE BY ZONE REGULATION The ideal temperature in each room	WELLZONE		34			●			



DC Inverter
Cooling & heating



DDM

DUCTED MEDIUM STATIC PRESSURE



DDM 012



DDM 018-060



+ PRODUCTS

- RCW11 remote control included (see page 14)
- Low height (200 mm)
- Alarm output and dry contact
- Integrated condensate pump
- Fresh air supply possible
- Multisplit compatible
- R32/R410A compatible
- Constant flow control

FEATURES

TECHNOLOGY:



FLEXY MATCH



ELECTRONIC EXPANSION VALVE



GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:



AIR FILTER

USER FUNCTIONS:



I FEEL



NIGHT MODE



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:



ERROR CODE VIA INDOOR UNIT



SELF DIAGNOSTIC



INTEGRATED WATER PUMP



LEFT/RIGHT DRAIN CONNECTION



ALARM OUTPUT



DRY CONTACT ON/OFF



HEATING ONLY MODE

CERTIFICATION

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



* models so marked are not Eurovent certified

THE «SUSTAINABLE DEVELOPMENT»

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

THE «USER»

→ Invisible: blends into all types of interiors

→ Quiet

THE «INSTALLER»

→ Suitable for long duct lengths (160 Pa)

THE «TECHNOLOGY»

→ Golden Fin (high corrosion resistance)

→ Electronic expansion valve

→ Self-adjusting static pressure



The future of
air conditioning?
The invisibility

OPTIONS








Accessory	Part number	Photo	Function/Description
Wireless controller RC08C	7ACEL1740		Timer, eco mode, "Follow me" option, swing, technician mode, heating only mode.
Central controller RCW21	7ACEL1777		Central controller. Controls up to 64 indoor units with individual setting failure codes indication, On/Off dry contact, last operation memory.
BMS gateway	7ACEL1708		Maximum 1024 units could be connected (16 gateways).
Test tool	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
Insulated air duct plenum	7ACVF0136		3 ducts DN160. For DDM 12-18.
	7ACVF0137		3 ducts DN 160. For DDM 24.
	7ACVF0138		3 ducts DN 160. For DDM 36.
	7ACVF0139		3 ducts DN 160. For DDM 48-60.

DDM TECHNICAL DATA

Indoor unit		AW-DDM012-N91	AW-DDM018-N91	AW-DDM024-N91	AW-DDM036-N91	AW-DDM036-N91	AW-DDM048-N91*	AW-DDM060-N91*
Outdoor unit R32		AW-YDFA012-H91	AW-YDFA018-H91	AW-YDFA024-H91	AW-YDFA036-H91	AW-YDFA036-H93	AW-YDFA048-H93	AW-YDFA060-H93
Phase		Single phase	Single phase	Single phase	Single phase	Three phase	Three phase	Three phase
COOLING								
Rated power (min./max.)	kW	3.52 (1.50-4.75)	5.28 (1.49-5.69)	7.03 (3.28-8.16)	10.55 (4.04-12.02)	10.55 (4.04-12.02)	14.07 (4.26-15.19)	15.24 (5.86-17.29)
Pdesignc	kW	3.50	5.30	7.00	10.50	11.00	14.00	15.40
Rated power input	kW	0.95	1.63	2.19	4.00	4.10	5.15	5.42
SEER/Energy label		6.5/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++
Operating limits	°C	-15°/50° Dry bulb						
HEATING								
Rated power (min./max.)	kW	4.10 (0.97-5.63)	5.86 (2.2-6.15)	7.62 (2.72-8.72)	11.14 (2.81-13.19)	11.14 (2.81-13.19)	16.12 (3.7-18.02)	18.17 (4.69-20.52)
Pdesignh (average climate)	kW	3.20	4.30	5.10	8.40	8.50	12.00	12.50
Pdesignh (warmer climate)	kW	3.70	5.30	6.10	10.50	10.50	12.50	13.10
Rated power input	kW	1.10	1.58	2.05	3.10	3.00	4.28	5.33
SCOP/Energy label (average climate)		4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+	4.0/A+
SCOP/Energy Label (warmer climate)		5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.0/A++	5.1/A+++	5.1/A+++
Operating limits	°C	-15°/24° Dry bulb						
Power @ -10°C	kW	3.92	4.47	6.32	9.17	9.11	11.76	13.96
Power @ -15°C	kW	3.67	4.18	5.92	8.59	8.54	11.02	13.07
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	26/31/35	33/38/42	38/40/42	39/42/45	40/43/50	48/50/51	51/52/54
Sound power level	dB(A)	56	59	62	62	63	68	71
Airflow (LS/MS/HS)	m³/h	300/480/600	350/650/880	839/1054/1248	750/1150/1400	750/1150/1400	1680/2040/2400	1820/2210/2600
External static pressure (standard/max.)	Pa	25 (0-60)	25 (0-100)	25 (0-160)	37 (0-160)	37 (0-160)	50 (0-160)	50 (0-160)
Dehumidification	l/h	1.5	2.0	3.0	3.8	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	700x200x506	880x210x674	1100x249x774	1360x249x774	1360x249x774	1200x300x874	1200x300x874
Package dimensions (WxHxD)	mm	860x285x540	1070x280x725	1305x305x805	1570x305x805	1570x305x805	1405x355x915	1405x355x915
Net weight/Gross weight	kg	18/22	24.3/29.6	31.5/38.9	40.5/48.5	40.5/48.5	47.6/55.8	47.6/55.8
Part number		7SP033031	7SP033032	7SP033033	7SP033034	7SP033034	7SP033035	7SP033036
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	56	55	61	63	64	66	64
Sound power level	dB(A)	62	62	66	68	68	72	74
Airflow	m³/h	2000	2000	2700	4000	4000	7500	7500
Compressor type		Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm	920x615x390	920x615x390	965x765x395	1090x875x500	1090x875x500	1095x1480x495	1095x1480x495
Net weight/Gross weight	kg	34.7/37.5	33.7/36.6	49.4/52.8	66.8/73.4	81.5/87.0	106.7/119.9	111.3/124.3
Part number		7SP063050	7SP063051	7SP063052	7SP063053	7SP063054	7SP063055	7SP063056
POWER SUPPLY								
Phase/Voltage/Frequency		1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	3P/380-410V/50Hz	3P/380-410V/50Hz	3P/380-410V/50Hz
Power supply side		Outdoor	Outdoor	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.
Power cable section	mm²	3x1.5	3x1.5	3x1.5+3x2.5	3x1.5+3x4	3x1.5+5x2.5	3x1.5+5x2.5	3x1.5+5x2.5
Fuse rating am (D curve)	A	16	16	10+25	10+30	10+20	10+25	10+25
Electrical connections	mm²	4x1.5	4x1.5	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5
PIPE LINE								
Suction pipe diameter	inches	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Max. length	m	25	30	50	65	65	65	65
Max. height	m	10	20	25	30	30	30	30
Refrigerant/GWP		R32/675	R32/675	R32/675	R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg	0.87	1.15	1.5	2.4	2.4	2.8	2.95
Additional charge	g/m	12	12	24	24	24	24	24
R410A YMD outdoor unit compatible*		AWAU-YMD012-H11	AWAU-YMD018-H11	AWAU-YMD024-H11	AWAU-YMD036-H11	AWAU-YMD036-H13	AWAU-YMD048-H13	AWAU-YMD060-H13
Part number		7SP062970	7SP062972	7SP062893	7SP062895	7SP062896	7SP062899	7SP062900

* Technical specifications - See R410A documentation.

COMBINATIONS

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

Wellzone: The ideal temperature in each room

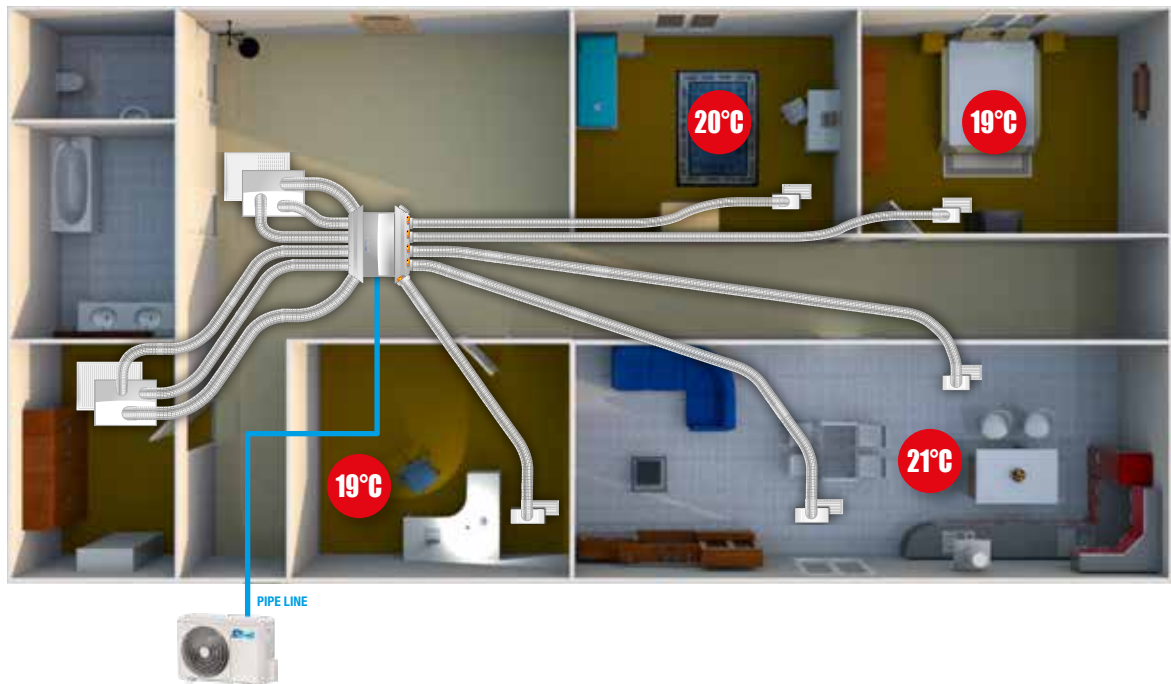
INFO!

This solution works with the DDM gainable.

More details on p. 36

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

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



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

CONTENTS OF A COMPLETE WELLZONE KIT



Supply air and return plenums + Servomotors



Diffusion and return grilles



Ducts



Control system gateway



Thermostats

Option 1: Your all inclusive solution

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

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

Option 2: Create your Wellzone

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

The most economical solution

CONTENTS OF A CONTROL SYSTEM PACK



Supply air plenum + Servomotors



Control system gateway




Thermostats

Reference	Description	Compatibility	Part number
PACK WZ 3V	1 x 1 / 2 x 1 / 3 x 3	DDM 12-24	7ACEL1810
PACK WZ 4V	1 x 1 / 2 x 1 / 3 x 4	DDM 12-24	7ACEL1811
PACK WZ 4V-5S	1 x 1 / 2 x 1 / 3 x 4	DDM 24-60	7ACEL1812
PACK WZ 5V	1 x 1 / 2 x 1 / 3 x 5	DDM 24-60	7ACEL1813
PACK WZ 6V	1 x 1 / 2 x 1 / 3 x 6	DDM 24-60	7ACEL1814
PLENUM 3S 1100 DDM 12-24	Return plenum	DDM 12-24	7ACEL1822
PLENUM 4S 1050 DDM 12-24	Return plenum	DDM 12-24	7ACEL1823
PLENUM 6S 1500 DDM 12-60	Return plenum	DDM 12-60	7ACEL1824

Cassette range



MODEL NAME	Fluid type	Page	kBTU/h kW	9 2.5	12 3.5	18 5	24 7	36 10	48 12.5
 CASSETTE 360° cassette	CDM	R32 - R410A	42	60 x 60	60 x 60	60 x 60	90 x 90	90 x 90	90 x 90



DC Inverter
Cooling & heating

CDM

360° CASSETTE



CDM 012-018



CDM 024-048



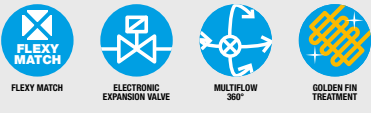
600x600 and 900x900

+ PRODUCTS

- RC08C remote control included (see page 10)
- Compact design
- Alarm output and dry contact
- Round flow 360° blown air output
- Multisplit compatible
- R32/R410A compatible
- Auxiliary air supply and fresh air supply

FEATURES

TECHNOLOGY:



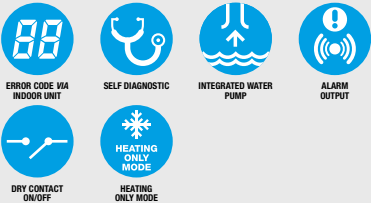
AIR QUALITY/CLEAN:



USER FUNCTIONS:



INSTALLER FUNCTIONS:



CERTIFICATION

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



* models so marked are not Eurovent certified

THE + «SUSTAINABLE DEVELOPMENT»

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

THE + «USER»

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

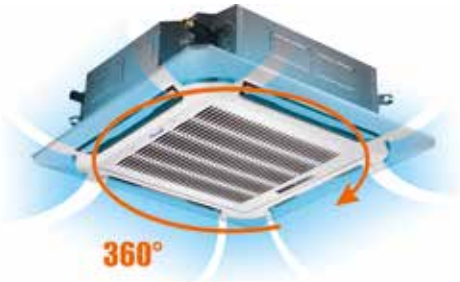
THE + «INSTALLER»

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

THE + «TECHNOLOGY»

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

360° AIRFLOW WITH ROUND CORNERS



OPTIONS

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








CDM TECHNICAL DATA

Multisplit configuration only

Indoor unit		AW-CDM009X-N91*	AW-CDM012-N91	AW-CDM018-N91	AW-CDM024-N91	AW-CDM036-N91	AW-CDM036-N91	AW-CDM048-N91*
Outdoor unit R32		-	AW-YDFA012-H91	AW-YDFA018-H91	AW-YDFA024-H91	AW-YDFA036-H91	AW-YDFA036-H93	AW-YDFA048-H93
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Three phase	Three phase
COOLING								
Rated power (min./max.)	kW	2.6 (0.8-3.3)	3.52 (1.52-5.38)	5.28 (2.9-5.45)	7.03 (2.23-8.21)	10.55 (2.64-12.02)	10.55 (2.64-12.02)	14.00 (4.76-14.58)
Pdesignc	kW		3.50	5.30	7.00	10.5	10.5	14.00
Rated power input	kW		0.85	1.63	2.19	3.75	3.95	5.13
SEER/Energy label			6.4/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++
Operating limits	°C							-15°/50° Dry bulb
HEATING								
Rated power (min./max.)	kW	2.9 (0.85-3.7)	4.4 (1.03-5.57)	5.42 (2.37-6.1)	7.62 (2.43-8.65)	11.14 (2.93-13.19)	11.14 (2.93-13.19)	16.1 (3.93-16.77)
Pdesignh (average climate)	kW		3.1	4.2	5.4	8.8	8.1	11.2
Pdesignh (warmer climate)	kW		3.5	5.3	5.9	10.5	10.5	12.2
Rated power input	kW		1.1	1.46	2.05	2.96	3.00	5.05
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
Power @ -10°C	kW		3.91	4.43	5.93	9.11	9.88	11.33
Power @ -15°C	kW		3.66	4.15	5.56	8.53	9.25	10.61
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	31/34/39	33/36/41	35/39/42	40/43/47	46/49/52	46/49/52	49/50/52
Sound power level	dB(A)	54	56	56	59	61	62	65
Airflow (LS/MS/HS)	m³/h	400/504/580	416/504/617	540/625/720	1032/1200/1378	1438/1620/1775	1438/1620/1775	1381/1568/1715
Dehumidification	l/h	1.2	1.5	2	3	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	570x260x570	570x260x570	570x260x570	840x245x840	840x245x840	840x245x840	840x287x840
Package dimensions (WxHxD)	mm	662x317x662	662x317x662	662x317x662	900x265x900	900x265x900	900x265x900	900x292x900
Net weight/Gross weight	kg	14.5/17.3	16.2/21.4	16.2/21.4	24/28	27.5/31	27.5/31	29/32.7
Part number		7SP042261X	7SP042262	7SP042263	7SP042264	7SP042265	7SP042265	7SP042266
FRAME								
Outline dimensions (WxHxD)	mm	647x50x647	647x50x647	647x50x647	950x55x950	950x55x950	950x55x950	950x55x950
Package dimensions (WxHxD)	mm	715x123x715	715x123x715	715x123x715	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
Net weight/Gross weight	kg	2.5/4.5	2.5/4.5	2.5/4.5	5/8	5/8	5/8	5/8
Frame part number		7ACVF0566	7ACVF0566	7ACVF0566	7ACVF0564	7ACVF0564	7ACVF0564	7ACVF0564
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)		55	55	62	65	64	66
Sound power level	dB(A)		62	65	66	68	68	72
Airflow	m³/h		2000	2000	2700	4000	4000	7500
Compressor type			Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm		800x554x333	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415
Package dimensions (WxHxD)	mm		920x615x390	920x615x390	965x765x395	1090x875x500	1090x875x500	1095x1480x495
Net weight/Gross weight	kg		34.7/37.5	33.7/36.6	49.4/52.8	66.8/73.4	81.5/87.0	106.7/119.9
Part number			7SP063050	7SP063051	7SP063052	7SP063053	7SP063054	7SP063055
POWER SUPPLY								
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/400V/50Hz	3P/400V/50Hz
Power supply side			Outdoor	Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²		3x1.5	3x1.5	3x1.5+3x2.5	3x1.5+3x4	3x1.5+3x4	3x1.5+5x2.5
Fuse rating am (D curve)	A		16	16	10+25	10+30	10+20	10+25
Electrical connections	mm²	4x1.0	4x1.5	4x1.5	2x0.5	2x0.5	2x0.5	2x0.5
PIPE LINE								
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"
Max. length	m		25	30	50	65	65	65
Max. height	m		10	20	25	30	30	30
Refrigerant/GWP			R32/675	R32/675	R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg		0.87	1.15	1.5	2.4	2.4	2.8
Additional charge	g/m		12	12	24	24	24	24
R410A YMD outdoor unit compatible*		-	AWAU-YMD012-H11	AWAU-YMD018-H11	AWAU-YMD024-H11	AWAU-YMD036-H11	AWAU-YMD036-H13	AWAU-YMD048-H13
Part number		-	7SP062970	7SP062972	7SP062893	7SP062895	7SP062896	7SP062899

* Technical specifications - See R410A documentation.

COMBINATIONS




Indoor unit	Compatible with outdoor unit	
	Monosplit	Multisplit
Cassette		
CDM 9X		YDZC
		
CDM 12 & 18	YDFA	YDZC
		
CDM 24 & 36	YDFA	
		
CDM 48	YDFA	
		



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Floor ceiling & Console ranges



MODEL NAME	Fluid type	Page	kBTU/h kW	12 3.5	18 5	24 7	36 10	48 12.5	60 16
 FDM FLOOR CEILING Large scope air	R32 - R410A	46			●	●	●	●	●
 XDM CONSOLE DUAL FLOW Ideal solution for replacement of electric heaters	R32 - R410A	48		●	●				
 FWDB LOW TEMPERATURE FLOOR CEILING Dedicated design for low temperature rooms	R32	50			●	●			



DC Inverter
Cooling & heating

FDM FLOOR CEILING



+ PRODUCTS

- RC08C remote control included (see page 10)
- Alarm output and dry contact
- Long air supply distance up to 11 m
- R32/R410A compatible
- 4D airflow

FEATURES

TECHNOLOGY:



FLEXY MATCH



ELECTRONIC EXPANSION VALVE



GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:



AIR FILTER



FRESH AIR

USER FUNCTIONS:



I FEEL



NIGHT MODE



24 H PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:



ERROR CODE (M/A INDOOR UNIT)



SELF DIAGNOSTIC



LEFT/RIGHT DRAIN CONNECTION



ALARM OUTPUT



DRY CONTACT ON/OFF



HEATING ONLY MODE

CERTIFICATION

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



* models so marked are not Eurovent certified

THE «SUSTAINABLE DEVELOPMENT»

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

THE «USER»

→ Wide air distribution for large room volume

THE «INSTALLER»

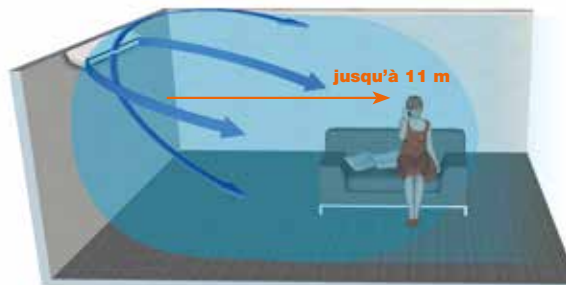
→ Parameters can be read on the indoor unit

THE «TECHNOLOGY»

→ High corrosion resistance with the Golden Fin

→ Electronic expansion valve

4 DIMENSIONAL AIRFLOW FOR MAXIMUM COMFORT



OPTIONS

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

FDM TECHNICAL DATA

Indoor unit		AW-FDM018-N91	AW-FDM024-N91	AW-FDM036-N91	AW-FDM036-N91	AW-FDM048-N91*	AW-FDM060-N91*
Outdoor unit		AW-YDFA018-H91	AW-YDFA024-H91	AW-YDFA036-H91	AW-YDFA036-H93	AW-YDFA048-H93	AW-YDFA060-H93
Phase		Single phase	Single phase	Single phase	Three phase	Three phase	Three phase
COOLING							
Rated power (min./max.)	kW	5.28 (2.71-5.57)	7.03 (3.22-8.29)	10.55 (3.93-12.02)	10.55 (3.93-12.02)	14.07 (4.96-15.11)	15.83 (5.28-17.0)
Pdesignc	kW	5.40	7.10	10.50	10.60	14.20	16.70
Rated power input	kW	1.63	2.19	3.80	3.75	5.50	6.06
SEER/Energy label		6.5/A++	6.2/A++	6.4/A++	6.4/A++	6.2/A++	6.3/A++
Operating limits	°C	-15°/50° Dry bulb					
HEATING							
Rated power (min./max.)	kW	5.57 (2.42-6.3)	7.62 (2.72-8.65)	11.14 (2.81-13.48)	11.14 (2.81-13.95)	16.12 (3.81-18.07)	18.17 (4.4-19.64)
Pdesignh (average climate)	kW	4.80	5.40	8.70	9.10	11.50	12.20
Pdesignh (warmer climate)	kW	4.70	5.50	10.70	9.40	12.00	13.00
Rated power input	kW	1.50	2.05	3.04	3.00	5.05	6.03
SCOP/Energy label (average climate)		4.1/A+	4.0/A+	4.0/A+	4.1/A+	4.0/A+	4.1/A+
SCOP/Energy label (warmer climate)		5.2/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++	5.1/A+++
Operating limits	°C	-15°/24° Dry bulb					
Power @ -10°C	kW	4.47	5.03	8.10	8.47	10.71	11.36
Power @ -15°C	kW	4.18	4.70	7.58	7.92	10.01	10.62
INDOOR UNIT							
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	34.5/38.5/41.5	41/46/49	42/46/50	42/46/50	46/50/54	42/47/54
Sound power level	dB(A)	58	61	61	61	66	69
Airflow (LS/MS/HS)	m³/h	650/760/880	853/1066/1208	1431/1844/2160	1431/1844/2160	1417/1930/2329	1426/1834/2454
Dehumidification	l/h	2	2.5	3.8	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	1068x675x235	1068x675x235	1650x675x235	1650x675x235	1650x675x235	1650x675x235
Package dimensions (WxHxD)	mm	1145x755x313	1145x755x313	1725x755x313	1725x755x313	1725x755x313	1725x755x313
Net weight/Gross weight	kg	28/33.3	26.8/31.9	41.5/48	41.5/48	41.2/47.6	41.4/47.8
Part number		7SP012263	7SP012264	7SP012265	7SP012265	7SP012266	7SP012267
OUTDOOR UNIT							
Sound pressure level to 1 m	dB(A)	55	62	65	64	66	66
Sound power level	dB(A)	62	66	68	68	72	74
Airflow	m³/h	2000	2700	4000	4000	7500	7500
Compressor type		Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm	920x615x390	965x765x395	1090x875x500	1090x875x500	1095x1480x495	1095x1480x495
Net weight/Gross weight	kg	33.7/36.6	49.4/52.8	66.8/73.4	81.5/87.0	106.7/119.9	111.3/124.3
Part number		7SP063051	7SP063052	7SP063053	7SP063054	7SP063055	7SP063056
POWER SUPPLY							
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/400V/50Hz	3P/400V/50Hz	3P/400V/50Hz
Power supply side		Outdoor	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.
Power cable section	mm²	3x1.5	3x1.5+3x2.5	3x1.5+3x4	3x1.5+5x2.5	3x1.5+5x2.5	3x1.5+5x2.5
Fuse rating am (D curve)	A	16	10+25	10+30	10+20	10+25	10+25
Electrical connections	mm²	4x1.5	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5
PIPE LINE							
Suction pipe diameter	inches	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Max. length	m	30	50	65	65	65	65
Max. height	m	20	25	30	30	30	30
Refrigerant/GWP		R32/675	R32/675	R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg	1.15	1.5	2.4	2.4	2.8	2.95
Additional charge	g/m	12	24	24	24	24	24
R410A YMD outdoor unit compatible*		AWAU-YMD018-H11	AWAU-YMD024-H11	AWAU-YMD036-H11	AWAU-YMD036-H13	AWAU-YMD048-H13	AWAU-YMD060-H13
Part number		7SP062972	7SP062893	7SP062895	7SP062896	7SP062899	7SP062900

* Technical specifications - See R410A documentation.

COMBINATIONS

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



DC Inverter
Cooling & heating

XDM CONSOLE DUAL FLOW



+ PRODUCTS

- RC08C remote control included (see page 10)
- Compact
- Dual flow air supply
- Multisplit compatible
- R32/R410A compatible

FEATURES

TECHNOLOGY:



FLEXY MATCH



ELECTRONIC EXPANSION VALVE



GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN:



AIR FILTER

USER FUNCTIONS:



I FEEL



NIGHT MODE



PROGRAMMABLE TIMER



REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:



HEATING ONLY MODE

CERTIFICATION

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



* models so marked are not Eurovent certified

THE «SUSTAINABLE DEVELOPMENT»

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

THE «USER»

→ Air distribution through two outlets for greater comfort

THE «INSTALLER»

→ Suitable for rooms with limited height

THE «TECHNOLOGY»

→ High corrosion resistance with the Golden Fin

→ Electronic expansion valve

2 AIR OUTLET WAYS








OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW8 (XDM012)	7ACEL1706		Mode, fan speed, timer On/Off, temperature and swing.
Wired single control RCW22 (XDM018)	7ACEL1778		Weekly timer, mode, fan speed, timer On/Off, "I Feel" function, temperature.

XDM TECHNICAL DATA		Multisplit configuration only	
Indoor unit		AW-XDM012X-N91*	AW-XDM018-N91
Outdoor unit R32		-	AW-YDFA018-H91
Phase		Single phase	Single phase
COOLING			
Rated power (min./max.)	kW	3.5 (0.8-3.8)	4.84 (2.64 - 4.98)
Pdesignc	kW		4.80
Rated power input	kW		1.51
SEER/Energy label			6.5/A++
Operating limits	°C	-15°/50° Dry bulb	
HEATING			
Rated power (min./max.)	kW	3.8 (0.4-4.3)	4.95 (2.20 - 5.5)
Pdesignh (average climate)	kW		4.00
Pdesignh (warmer climate)	kW		4.50
Rated power input	kW		1.40
SCOP/Energy label (average climate)			4/A+
SCOP/Energy label (warmer climate)			5.1/A+++
Operating limits	°C	-15°/24° Dry bulb	
Power @ -10°C	kW		4.16
Power @ -15°C	kW		3.89
INDOOR UNIT			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	35/41/43	35/39/42
Sound power level	dB(A)	58	60
Airflow (LS/MS/HS)	m³/h	370/480/512	400/480/560
Dehumidification	l/h	1.5	2
Outline dimensions (WxHxD)	mm	700x210x600	700x210x600
Package dimensions (WxHxD)	mm	810x305x710	810x305x710
Net weight/Gross weight	kg	14.8/19	14.8/19.1
Part number		7SP071413X	7SP071414
OUTDOOR UNIT			
Sound pressure level to 1 m	dB(A)		55
Sound power level	dB(A)		63
Airflow	m³/h		2000
Compressor type			Rotary DCI
Outline dimensions (WxHxD)	mm		800x554x333
Package dimensions (WxHxD)	mm		920x615x390
Net weight/Gross weight	kg		33.7/36.6
Part number			7SP063051
POWER SUPPLY			
Phase/Voltage/Frequency		1P/220-240V/50Hz	1P/220-240V/50Hz
Power supply side			Outdoor
Power cable section	mm²		3x1.5
Fuse rating am (D curve)	A		16
Electrical connections	mm²	4x1.5	4x1.5
PIPE LINE			
Suction pipe diameter	inches	3/8"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"
Max. length	m		30
Max. height	m		20
Refrigerant/GWP			R32/675
Charge	kg		1.15
Additional charge	g/m		12
R410A YMD outdoor unit compatible*		-	AWAU-YMD018-H11
Part number		-	7SP062972

* Technical specifications - See R410A documentation.

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



DC Inverter
Cooling & heating

FWDB

LOW TEMPERATURE FLOOR CEILING



+ PRODUCTS

- RCW25 remote control included
- Minimum temperature setpoint of 12°C
- Robust and resistant: metal structure

FEATURES

TECHNOLOGY:



ELECTRONIC EXPANSION VALVE

AIR QUALITY/CLEAN:



AIR FILTER

USER FUNCTIONS:



NIGHT MODE



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)



REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:



ERROR CODE VIA INDOOR UNIT



SELF DIAGNOSTIC



ALARM OUTPUT



DRY CONTACT ON/OFF

CERTIFICATION

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



THE + «SUSTAINABLE DEVELOPMENT»

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

THE + «USER»

→ Dedicated solution for low temperature locations (wine cellars, preparation rooms, household waste areas, etc.)

THE + «INSTALLER»

→ Ease of installation

THE + «TECHNOLOGY»

→ Oversized exchangers (no icing)



OPTIONS

Accessory	Part number	Photo	Function
Water pump Mini Flowtech MF2	7ACTL0517		Evacuate condensates from indoor units.


FWDB TECHNICAL DATA

Indoor unit		AWSI-FWDB018-N11	AWSI-FWDB024-N11
Outdoor unit		AWAU-YMDB018-H11	AWAU-YMDB024-H11
Phase		Single phase	Single phase
COOLING			
Rated power (min./max.)	kW	5.3 (2.0-5.6)	7.0 (3.5-8.0)
Pdesignc	kW	5.30	7.10
Rated power input	kW	1.64	2.20
SEER/Energy label		6.1/A++	6.1/A++
Operating limits	°C	-15°/50° Dry bulb	
HEATING			
Rated power (min./max.)	kW	5.6 (2.5-6.0)	7.5 (4.5-8.5)
Pdesignh (average climate)	kW	4.80	6.30
Pdesignh (warmer climate)	kW	5.20	5.80
Rated power input	kW	1.53	1.98
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°/30° Dry bulb	
Power @ -10°C	kW	5.20	6.80
Power @ -15°C	kW	4.90	6.40
INDOOR UNIT			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	36/42/47	43/46/49
Sound power level	dB(A)	58	60
Airflow (LS/MS/HS)	m³/h	650/800/900	850/1000/1150
Dehumidification	l/h	1.5	2.2
Outline dimensions (WxHxD)	mm	1245x680x240	1245x680x240
Package dimensions (WxHxD)	mm	1325x770x325	1325x770x325
Net weight/Gross weight	kg	34/40	35/41
Part number		7SP012274	7SP012275
OUTDOOR UNIT			
Sound pressure level to 1 m	dB(A)	54	60
Sound power level	dB(A)	63	67
Airflow	m³/h	3000	3500
Compressor type		Twin Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	845x702x363
Package dimensions (WxHxD)	mm	990x710x410	1025x960x430
Net weight/Gross weight	kg	42/45	52/62
Part number		7SP063092	7SP063093
POWER SUPPLY			
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz
Power supply side		Outdoor	Outdoor
Power cable section	mm²	3x2.5	3x2.5
Fuse rating am (D curve)	A	16	16
Electrical connections	mm²	4x2.5	4x2.5
PIPE LINE			
Suction pipe diameter	inches	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	3/8"
Max. length	m	15	20
Max. height	m	8	10
Refrigerant/GWP		R32/675	R32/675
Charge	kg	1.3	1.7
Additional charge	g/m	12	24

COMBINATIONS

Indoor unit	Compatible with outdoor unit
Floor ceiling FWDB 018 	Monosplit YMDB 
FWDB 024 	YMDB 

Floor standing range

MODEL NAME	Fluid type	Page	kBTU/h kW	48 12.5
 FLOOR STANDING High volume room	SDM	R410A	54	



DC Inverter
Cooling & heating

SDM FLOOR STANDING



+ PRODUCTS

- RC08C remote control included (see page 10)
- Long air supply distance up to 15 m
- High airflow (1750 m³/h)

FEATURES

TECHNOLOGY:



ELECTRONIC EXPANSION VALVE

AIR QUALITY/CLEAN:



AIR FILTER



AUTO CLEAN/DRY

INSTALLER FUNCTIONS:



ERROR CODE VIA INDOOR UNIT



SELF DIAGNOSTIC

THE + «USER»

- Solution suitable for large volumes
- Controlled by IR remote control

THE + «INSTALLER»

- Ease of installation



THE + «TECHNOLOGY»

- Digital display

SDM TECHNICAL DATA

Indoor unit		AW-SDM048-N11
Outdoor unit		AW-YSDM048-H11
Phase		Single phase
COOLING		
Rated power (min./max.)	kW	12.5 (6.0-14.5)
Rated power input (min./max.)	kW	3.90 (2.0-6.0)
SEER/Energy label		5.1/A
Operating limits	°C	-15°/46° Dry bulb
HEATING		
Rated power (min./max.)	kW	13.0 (6.0-16.5)
Pdesignh (average climate)	kW	9.10
Pdesignh (warmer climate)	kW	10.00
Rated power input (min./max.)	kW	4.05 (2.0-6.0)
SCOP/Energy label (average climate)		3.5/A
SCOP/Energy label (warmer climate)		4.6/A++
Operating limits	°C	-15°/24° Dry bulb
INDOOR UNIT		
Sound pressure level to 1.5 m (LS/MS/HS)	dB(A)	44/48/51
Sound power level	dB(A)	69
Airflow (LS/MS/HS)	m³/h	1350/1500/1750
Dehumidification	l/h	5
Outline dimensions (WxHxD)	mm	1850x600x350
Package dimensions (WxHxD)	mm	1986x691x415
Net weight/Gross weight	kg	57/65
Part number		7SP011088
OUTDOOR UNIT		
Sound pressure level to 1 m	dB(A)	59
Sound power level	dB(A)	73
Airflow	m³/h	4200
Compressor type		Twin rotary
Outline dimensions (WxHxD)	mm	1008x830x410
Package dimensions (WxHxD)	mm	1142x1000x498
Net weight/Gross weight	kg	82/93
Part number		7SP062971
POWER SUPPLY		
Phase/Voltage/Frequency		1P/230V/50Hz
Power supply side		Outdoor
Power cable section	mm²	3x6
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
<p>SDM</p> 	<p>YSDM</p> 



Dotted lines for writing practice on a white page.

Monobloc range

MODEL NAME	Fluid type	Page	kBTU/h kW	9 2.5	12 3.5
 PORTABLE Cooling mode only	MFH	R290	58	●	●
 PORTABLE Cooling and heating mode	MFR	R290	59		●
 WINDOW Prefabricated buildings solution	WFD	R32	60	●	●



Fixed speed
Cooling only

MFH PORTABLE



+ PRODUCTS

- RC08C remote control included (see page 10)
- Compact & design

FEATURES

AIR QUALITY/CLEAN:



USER FUNCTIONS:



INSTALLER FUNCTIONS:



THE + «SUSTAINABLE DEVELOPMENT»

→ Environmentally friendly R290 fluid

THE + «USER»

- Easy to move with its wheels and handles
- Easy to read with its digital display
- Remotely controllable with RC unit

THE + «TECHNOLOGY»

- Sealing kit included
- Evacuation of condensates by evaporation

MFH TECHNICAL DATA

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

* Packing 8 pieces minimum



Optimal comfort:
reversible solution

THE + «SUSTAINABLE DEVELOPMENT»

→ Environmentally friendly R290 fluid

THE + «USER»

- Easy to move with its wheels and handles
- Easy to read with its digital display
- Remotely controllable with RC unit

THE + «TECHNOLOGY»

- Sealing kit included
- Evacuation of condensates by evaporation

MFR TECHNICAL DATA

Indoor unit		AW-MFR012-H41
Phase		Single phase
COOLING		
Rated power	kW	3,52
Rated power input	kW	1,357
Current	A	5,9
EER/Energy label		2,60/A
Operating limits	°C	17°/35° Dry bulb
HEATING		
Rated power	kW	2,93
Rated power input	kW	1,045
Current	A	5
COP/Energy label		2,8/A
Operating limits	°C	5°/30° Dry bulb
INDOOR UNIT		
Type		Monobloc
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	54/54/55
Sound power Level	dB(A)	63
Airflow (LS/MS/HS)	m³/h	355/370/420
Diameter flexible emission duct	mm	150
Length range of heat emission duct	m	0,5-1,50
Dehumidification	l/h	1,8
Outline dimensions (WxHxD)	mm	467x765x397
Package dimensions (WxHxD)	mm	515x890x440
Net weight/Gross weight	kg	33/36,5
Part number		7MB021062
POWER SUPPLY		
Phase/Voltage/Frequency		1P/230V/50Hz
PIPE LINE		
Refrigerant/GWP		R290/20
Charge	kg	0.22

* Packing 8 pieces minimum

+ PRODUCTS

- RC08C remote control included (see page 10)
- Compact & design
- Reversible product (cooling/heating)

FEATURES

AIR QUALITY/CLEAN:



AIR FILTER



AUTO CLEAN/DRY

USER FUNCTIONS:



I FEEL



NIGHT MODE



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)



REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:



SELF DIAGNOSTIC



WiFi



DC Inverter
Cooling only

WFD WINDOW

Unique solution



+ PRODUCTS

- WFD RC remote control included
- Monobloc solution
- No fluid handling

FEATURES

USER FUNCTIONS:



NIGHT MODE



AUTO RESTART
(MEMORY)

INSTALLER FUNCTIONS:



SELF DIAGNOSTIC

THE «SUSTAINABLE DEVELOPMENT»

→ R32 ecological fluid, low energy consumption

THE «USER»

→ Ideal for modular construction

THE «INSTALLER»

→ Ease of installation




THE «TECHNOLOGY»

→ Inverter technology

WFD TECHNICAL DATA

Indoor unit		AWWR-WFD009-C11	AWWR-WFD012-C11
Phase		Single phase	Single phase
COOLING			
Rated power	kW	2.75	3.70
Pdesignc	kW	2.75	3.70
Rated power input	kW	0.81	1.09
SEER/Energy label		5.10/A	5.10/A
Operating limits	°C	18°/43° Dry bulb	
INDOOR UNIT			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	45/47/49	45/47/49
Airflow (LS/MS/HS)	m³/h	310/350/380	400/450/490
Dehumidification	l/h	1.0	1.2
Compressor type		Rotary	Rotary
Outline dimensions (WxHxD)	mm	560x375x710	660x428x700
Package dimensions (WxHxD)	mm	623x425x806	739x515x793
Net weight/Gross weight	kg	34/36.7	46/50
Part number		7WT010008	7WT010009
POWER SUPPLY			
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz
Power supply side		Indoor	Indoor
Power cable section	mm²	3x1.0	3x1.5
Fuse rating am (D curve)	A	10	10
PIPE LINE			
Refrigerant/GWP		R32/675	R32/675
Charge	kg	0.51	0.63

Water range

MODEL NAME	Fluid type	Page	kBTU/h kW	7 2	9 2.5	12 3.5	18 5	24 7	31 9	41 13	51 17	71 21.5	81 23.5	101 31.5
 WATER CONSOLE Monobloc, cooling and heating mode	XDO	R410A	62		●	●								
 WATER SOURCE Split system	GCAO + HHF/ CAF/ DAF	R410A	64		●	●	●	●						
 WATER LOOP HEAT PUMP Ideal for shops	DFO 5 to 17	R410A	66	●	●		●							
	DFO 21 to 101	R410A	67					●	●	●	●	●	●	●



Optimal comfort:
reversible solution



+ PRODUCTS

- Solution without outdoor unit
- Monobloc
- Clean design
- Quiet (25 dB)
- Integrated WiFi

FEATURES

USER FUNCTIONS:



THE «SUSTAINABLE DEVELOPMENT»

→ Reduced water consumption thanks to the integrated modulating valve

THE «USER»

→ Compact

→ Quiet

→ Ideal solution for historic buildings (monobloc)

THE «INSTALLER»

→ Plug & Play: hydraulic connection only

THE «TECHNOLOGY»

→ Compatible with water loop and public water supply

XDO TECHNICAL DATA

Indoor unit		AW-XDO009-H11	AW-XDO012-H11
Phase		Single phase	Single phase
COOLING			
Rated power ⁽¹⁾	kW	2.50	3.50
P _{designc}	kW	2.30	3.20
Rated power input	kW	0.38	0.76
EER/Energy label		4.08/A++	4.05/A++
Operating limits	°C	18°/35° Dry bulb	
Minimum water temperature	°C	40°C	
HEATING			
Rated power ⁽²⁾	kW	2.70	3.80
P _{designh}	kW	2.50	3.40
Rated power input	kW	0.71	1.09
COP/Energy label		4.33/A++	4.31/A++
Operating limits	°C	5°/27° Dry bulb	
Minimum water temperature	°C	7°C	
INDOOR UNIT			
Sound pressure level to 2 m	dB(A)	25	27
Sound power level (PV/MV/GV)	dB(A)	41/46/52	43/48/54
Airflow (PV/MV/GV)	m³/h	250/310/385	310/410/435
Water flow	l/h	430	600
Dehumidification	l/h	1.1	1.3
Compressor type		Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm	1030x555x165	1030x555x165
Package dimensions (WxHxD)	mm	1100x660x260	1100x660x260
Net weight/Gross weight	kg	48.5/50.5	49.5/51.5
Part number		7CW011020	7CW011021
POWER SUPPLY			
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz
Power supply side		Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5
Fuse rating am (D curve)	A	6	6
PIPE LINE			
Refrigerant/GWP		R410A/2088	R410A/2088
Charge	kg	0.65	0.65

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

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



Fixed speed
Cooling only

GCAO WATER SOURCE

Unique
solution

No outdoor
unit



RC08A



RCWE

+ PRODUCTS

- RC08A remote control included with HHF and CAF (see page 12)
- RCWE remote control included with DAF
- Solution without outdoor unit
- Split
- Compact design
- Large choice of indoor units

FEATURES

AIR QUALITY/CLEAN:



AUTO
CLEAN/DRY

INSTALLER FUNCTIONS:



NIGHT MODE



RESTART
(MEMORY)



REMOTE CONTROL
LOCK

THE « SUSTAINABLE DEVELOPMENT »

→ Reduced water consumption thanks to the pressostatic valve

THE « USER »

→ Ideal solution for historic buildings (split)

THE « INSTALLER »

→ Proven technology, ease of installation

THE « TECHNOLOGY »

→ Compatible with water loop and public water supply

COMPATIBLE
WITH

HIGH WALL HHF



CASSETTE CAF



+ adaptor

DUCTED MEDIUM
STATIC PRESSURE DAF



+ adaptor

OPTIONS

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

GCAO TECHNICAL DATA

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

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

Cassette indoor unit		AWSI-CAF012-N11**	AWSI-CAF012-N11	AWSI-CAF018-N11	AWSI-CAF024-N11
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	38/40/42	38/40/42	46/47/49	46/47/48
Sound power level (LS/MS/HS)	dB(A)	48/50/52	48/50/52	56/57/59	56/57/58
Airflow (LS/MS/HS)	m³/h	420/490/560	420/490/560	620/650/690	1230/1280/1340
Dimensions (WxHxD)	mm	665x240x595	665x240x595	665x240x595	840x240x840
Frame dimensions (WxHxD)	mm	670x50x670	670x50x670	670x50x670	950x60x950
Weight	kg	19.5	19.5	20	27
Indoor unit part number		7SP042257	7SP042257	7SP042252	7SP042253
Frame part number		7ACVF0567	7ACVF0567	7ACVF0567	7ACVF0555
Electronic adaptor between IDU CAF to GCAO	Part nb.	7ACEL1746			
IR remote control RC08A	Part nb.	included			
Wired remote control RCW23	Part nb.	optional			

Ducted indoor unit		AWSI-DAF012-N11**	AWSI-DAF012-N11	AWSI-DAF018-N11	AWSI-DAF024-N11
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	29/30/33	29/30/33	32/34/38	44/45/46
Sound power level (LS/MS/HS)	dB(A)	39/40/43	39/40/43	42/44/48	54/55/56
Airflow (LS/MS/HS)	m³/h	520/560/660	520/560/660	810/920/1070	1190/1270/1330
External static pressure	Pa	25	25	25	37
Dimensions (WxHxD)	mm	1015x275x720	1015x275x720	1260x270x555	1260x270x555
Weight	kg	31	31	33	34
Indoor unit part number		7SP032177	7SP032177	7SP032171	7SP032172
Electronic adaptor between IDU DAF to GCAO	Part nb.	7ACEL1746			
Wired remote control RCWE	Part nb.	included	-	-	-
Wired remote control RCW23	Part nb.	-	included	included	included
IR remote control RC08A	Part nb.	optional			

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

** CAF/DAF 12 matching with GCAO 9.



Fixed speed
Cooling and heating

DFO 5 TO 17

WATER LOOP HEAT PUMP



+ PRODUCTS

- Remote control included (see page 18)
- Solution without outdoor unit
- Monobloc
- Compact design
- Wide power range
- Thermostat included

FEATURES

TECHNOLOGY:



ELECTRONIC EXPANSION VALVE

THE «SUSTAINABLE DEVELOPMENT»

- Reduced water consumption thanks to the integrated modulating valve
- High efficiency

THE «USER»

- Fire classification: M0 (ERP compatible)

THE «INSTALLER»

- Alarm output for fault reporting

THE «TECHNOLOGY»

- Integrated temperature sensors for optimised consumption

DFO 5 À 17 TECHNICAL DATA

Indoor unit		AW-DFO005-H11	AW-DFO009-H11	AW-DFO017-H11
Part number		70G091075	70G091076	70G091077
Phase		Single phase	Single phase	Single phase
COOLING				
Rated power ⁽¹⁾	kW	2.26	3.16	4.16
Sensitive power	kW	1.91	2.75	3.50
Total input power	kW	0.54	0.74	0.92
EER		4.22	4.28	4.51
HEATING - AIR TO 20°C - WATER TO 20°C				
Rated power ⁽²⁾	kW	2.76	3.85	4.92
Total input power	kW	0.55	0.77	1.06
COP		4.99	4.97	4.66
HEATING - AIR TO 20°C - WATER TO 15°C				
Rated power ⁽³⁾	kW	2.46	3.33	4.42
Total input power	kW	0.55	0.73	1.02
COP		4.42	4.47	4.30
INDOOR UNIT				
Sound pressure level to 1 m	dB(A)	33	34	35
Number of compressors	nb	1	1	1
Compressor type		Rotary	Rotary	Rotary
Airflow	m ³ /h	533	612	800
Fan type		Centrifugal	Centrifugal	Centrifugal
Number of fans	nb	1	1	1
External static pressure	Pa	40 (0-80)	40 (0-80)	40 (0-80)
Water inlet flow ⁽⁴⁾	l/s	0.13	0.18	0.24
Dimension (LxHxP)	mm	1034x361x513	1034x361x513	1034x386x513
Net weight/Weight with packaging	kg	71/81	74/84	82/92
POWER SUPPLY				
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz
ERP DATA⁽⁵⁾				
SEER		3.75	3.90	4.18
SCOP		3.41	3.63	4.05
PIPE LINE				
Refrigerant/GWP		R410A/2088	R410A/2088	R410A/2088
Charge	kg	0.47	0.64	1.3

(1) Ambient air at 27°C DB/19°C WB. Exchanger water inlet/outlet temperature 30°C/35°C.

(2) Ambient air at 20°C DB. Exchanger water inlet temperature 20°C. The exchanger water outlet temperature is obtained as a function of the cooling water flow rate.

(3) Ambient air at 20°C DB. Exchanger water inlet temperature 15°C. The exchanger water outlet temperature is obtained as a function of the cooling water flow rate.

(4) Water flow rate calculated based on the cooling performance.

(5) Data calculated according to EN14825: 2016.

DFO 21 TO 101

WATER LOOP HEAT PUMP

Airwell
Just feel well



THE + «SUSTAINABLE DEVELOPMENT»

- Reduced water consumption thanks to the integrated modulating valve
- High efficiency

THE + «USER»

- Fire classification: M0 (ERP compatible)

THE + «INSTALLER»

- Alarm output for fault reporting

THE + «TECHNOLOGY»

- Integrated temperature sensors for optimised consumption

+ PRODUCTS

- Remote control included (see page 18)
- Solution without outdoor unit
- Monobloc
- Compact design
- Wide power range

DFO 21 À 101 TECHNICAL DATA

Indoor unit		AW- DFO021-H11	AW- DFO031-H11	AW- DFO051-H11	AW- DFO071-H13	AW- DFO101-H13
Part number		70G091078	70G091079	70G091081	70G091082	70G091084
Phase		Single phase	Single phase	Single phase	Three phase	Three phase
COOLING						
Rated power ⁽¹⁾	kW	4.56	8.08	10.60	16.90	25.00
Sensitive power	kW	3.74	6.44	8.84	13.90	20.00
Total input power	kW	1.30	2.07	3.04	4.15	5.85
EER		3.52	3.90	3.53	4.07	4.27
HEATING						
Rated power ⁽²⁾	kW	7.55	10.30	14.40	23.10	33.20
Total input power	kW	1.75	2.39	3.35	5.23	7.21
COP		4.30	4.31	4.30	4.41	4.60
INDOOR UNIT						
Sound pressure level to 1 m	dB(A)	42	42	44	45	45
Number of compressors	nb	1	1	1	1	1
Compressor type		Rotary	Rotary	Rotary	Scroll	Scroll
Airflow	m³/h	1000	1500	2800	3800	4900
Fan type		Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Number of fans	nb	1	1	1	1	1
External static pressure	Pa	250	270	290	310	220
Water inlet flow ⁽⁴⁾	l/s	0.27	0.47	0.64	1.00	1.47
Dimension (LxHxP)	mm	962x490x692	962x490x692	1167x590x802	1167x590x802	1467x705x927
Net weight/Weight with packaging	kg	98/102	103/107	138/143	151/156	200/225
POWER SUPPLY						
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/400V/50Hz/N	3P/400V/50Hz/N
ERP DATA⁽⁵⁾						
SEER		3.28	3.93	3.57	4.23	4.47
SCOP		3.81	3.82	3.81	3.91	4.08
PIPE LINE						
Refrigerant/GWP		R410A/2088				
Charge	kg	0.70	0.95	1.10	1.30	3.20

(1) Ambient air at 27°C DB/19°C WB. Exchanger water inlet/outlet temperature 30°C/35°C.




(2) Ambient air at 20°C DB. Exchanger water inlet temperature 20°C. The exchanger water outlet temperature is obtained as a function of the cooling water flow rate.

(3) The sound levels refer to units under nominal conditions with an average ventilation speed.

(4) Available static pressure with standard speed ventilation and clean filter.

(5) Pression statique disponible avec ventilation en vitesse standard et filtre propre.

Light commercial range

MODEL NAME		Fluid type	Page	kW	12.5	17	18.5	20	25	30	40
VERTICAL AIR CABINET		XAM	R410A	70	●	●	●			●	
	VERTICAL CABINET High efficiency										
		YXAM	R410A	71	●			●	●		●
	AIR CONDENSER Independent unit										
VERTICAL WATER CABINET		XOM	R410A	72	●	●		●			●
	VERTICAL CABINET High efficiency										



DC Inverter
Cooling only

XAM VERTICAL AIR CABINET



+ PRODUCTS

- Remote control included (see page 18)
- Powerful ventilation, DC controller, variable speed indoor and outdoor electric fans and electronic expansion valve
- Integrated all-season kit (-20 °C to +55 °C)
- Installation of fan-condensers for vertical or horizontal operation
- ModBus, Bacnet or Lonworks communication as an option

FEATURES

TECHNOLOGY:



ELECTRONIC EXPANSION VALVE



CRANKCASE HEATER

AIR QUALITY/CLEAN:



AIR FILTER

THE «SUSTAINABLE DEVELOPMENT»

- ErP label
- High efficiency

THE «USER»

- User-friendly remote control

THE «INSTALLER»

- Dry contact, alarm output
- Remote control with reading of temperature and humidity sensors, reading of refrigerant pressures, adjustment of available pressure
- Integrated supply air plenum

THE «TECHNOLOGY»

- EC ventilation, electronic expansion valve

XAM TECHNICAL DATA

Indoor unit		AW-XAM040-N13	AW-XAM056-N13	AW-XAM068-N13	AW-XAM112-N13
Code		7XU123000	7XU123002	7XU123004	7XU123006
Phase		Three phase	Three phase	Three phase	Three phase
COOLING					
Rated power	kW	11.50	16.00	18.30	30.50
Sensible capacity	kW	9.20	13.10	13.90	26.10
Rated power input	kW	2.90	4.50	4.80	8.50
EER		3.90	3.60	3.80	3.60
Operating limits		-20°/55°C			
INDOOR UNIT					
Sound pressure	dB(A)	55	59	61	60
Number of compressor	nb	1	2		
Type of compressor		Scroll			
Cooling circuit	nb	1			
Rated airflow	m³/h	2800	3800	4200	7000
External static pressure	Pa	460	365	240	450
Outline dimensions (WxHxD)	mm	850x1705x510	1050x1705x510	1050x1705x510	1050x2000x780
Weight	kg	173	200	200	310
POWER SUPPLY (WITHOUT NEUTRAL)					
Phase/Voltage/Frequency		3P/400V/50Hz			
PIPE LINE					
Suction pipe diameter	inches	1/2"	5/8"	5/8"	3/4"
Liquid pipe diameter	inches	1/2"	5/8"	5/8"	5/8"
Refrigerant/GWP		R410A/2088			
Charge (to do on site)	kg	1.3	1.7	1.9	3.7
Additional charge	g/m	110	170	170	170
ACCESSORIES					
ModBus module	Code	7ACEL1765			
Bacnet module	Code	7ACEL1766			
LonWorks module	Code	7ACEL1767			



YXAM TECHNICAL DATA

Outdoor unit		AW- YXAM040-C11	AW- YXAM056-C11	AW- YXAM068-C11	AW- YXAM112-C11
Code		7XU131100	7XU131101	7XU131102	7XU131103
Phase		Single phase	Single phase	Single phase	Single phase
OUTDOOR UNIT					
Dissipated power	kW	13.6	21.2	24.9	39.9
Power input	kW	0.15	0.45	0.45	0.6
Pression acoustique	dB(A)	55	59	57	61
Débit d'air nominal	m³/h	3250	9136	7740	13340
Outline dimensions (WxHxD)	mm	1180x528x585	1830x528x585	1830x528x585	1883x1170x595
Dimensions vertical installation (WxHxD)	mm	1187x735x592	1837x735x592	1837x735x592	1883x935x1148
Weight	kg	52	75	90	110
POWER SUPPLY					
Phase/Voltage/Frequency		1P/230V/50Hz			
PIPE LINE					
Suction pipe diameter	inches	1/2"	5/8"	5/8"	3/4"
Liquid pipe diameter	inches	1/2"	5/8"	5/8"	5/8"
Refrigerant/GWP		R410A/2088			
Charge (to do on site)	kg	1.1	0.9	1.4	2.8

+ PRODUCTS

- Service industry application
- Independent unit



DC Inverter
Cooling only

XOM

VERTICAL WATER CABINET



+ PRODUCTS

- Remote control included (see page 18)
- Powerful ventilation, DC controller, variable speed indoor electric fans and electronic expansion valve
- Modulating water valve
- ModBus, Bacnet or Lonworks communications as an option

FEATURES

TECHNOLOGY:



ELECTRONIC EXPANSION VALVE



CRANKCASE HEATER

AIR QUALITY/CLEAN:



AIR FILTER

THE «SUSTAINABLE DEVELOPMENT»

- ErP label
- High efficiency

THE «USER»

- User-friendly remote control

THE «INSTALLER»

- Dry contact, alarm output
- Remote control with reading of temperature and humidity sensors, reading of refrigerant pressures, adjustment of available pressure
- Integrated supply air plenum

THE «TECHNOLOGY»

- EC ventilation, electronic expansion valve

XOM TECHNICAL DATA

Indoor unit		AW-XOM040-N13	AW-XOM056-N13	AW-XOM068-N13	AW-XOM112-N13
Code		7XU123012	7XU123014	7XU123016	7XU123018
Phase		Three phase	Three phase	Three phase	Three phase
COOLING					
Rated power	kW	12.60	17.80	20.20	35.00
Sensible capacity	kW	10.20	14.00	15.20	29.90
Rated power input	kW	2.30	3.60	3.80	6.41
EER		5.50	4.90	5.30	5.50
SEER		3.6	3.36	3.68	4.58
INDOOR UNIT					
Sound pressure	dB(A)	55	59	61	60
Number of compressor	nb	1			2
Type of compressor		Scroll			
Cooling circuit	nb	1			
Rated airflow	m³/h	2800	3800	4200	7000
External static pressure	Pa	460	365	240	450
Outline dimensions (WxHxD)	mm	850x1705x510	1050x1705x510	1050x1705x510	1050x2000x780
Weight	kg	178	207	208	310
POWER SUPPLY (WITHOUT NEUTRAL)					
Phase/Voltage/Frequency		3P/400V/50Hz			
PIPE LINE					
Refrigerant/GWP		R410A/2088			
Charge	kg	1.7	2.2	2.2	5.5
ACCESSORIES					
ModBus module	Code	7ACEL1765			
Bacnet module	Code	7ACEL1766			
LonWorks module	Code	7ACEL1767			

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VRF range

Why choosing a VRF system?



■ One system for multiple applications



Shopping centers



Villas



Hostels



Offices

■ Extrem versatility

- Adaptable to all seasons
- Immediate change mode (heating/cooling)
- Extendable system
- Wide range of indoor units
- Anti-corrosion treatment on demand

Blygold[®]



HIGH WALL HBV



CASSETTE 600x600 CBV



360° CASSETTE CFV



FLOOR CEILING FAV



DUCTED LOW STATIC PRESSURE DDV



DUCTED MEDIUM STATIC PRESSURE DBV



DUCTED HIGH STATIC PRESSURE DCV



CONSOLE EAV



AHU CONNECTION KIT

■ Easy installation

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

Why choosing an Airwell VRF system?

- Wide range of power: from 3 to 72 HP (from 8 to 204 kW)
- Silent system
- Compact solution: small footprint
- High performance: COP until 4.5
- Certified Eurovent



Performant system

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

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



HIGH EFFICIENCY DC FAN MOTOR

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

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



HEAT EXCHANGER ADOPTS THE SUBCOOLING TECHNOLOGY: HIGH EFFICIENCY

- The system is cooled with 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%.

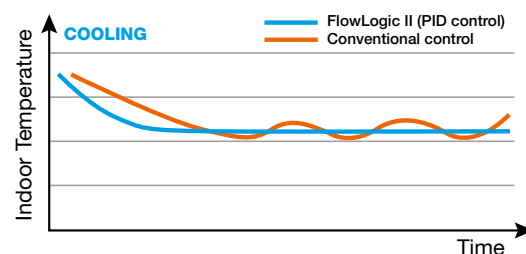
Increase the efficiency of system



- **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.



VRF range

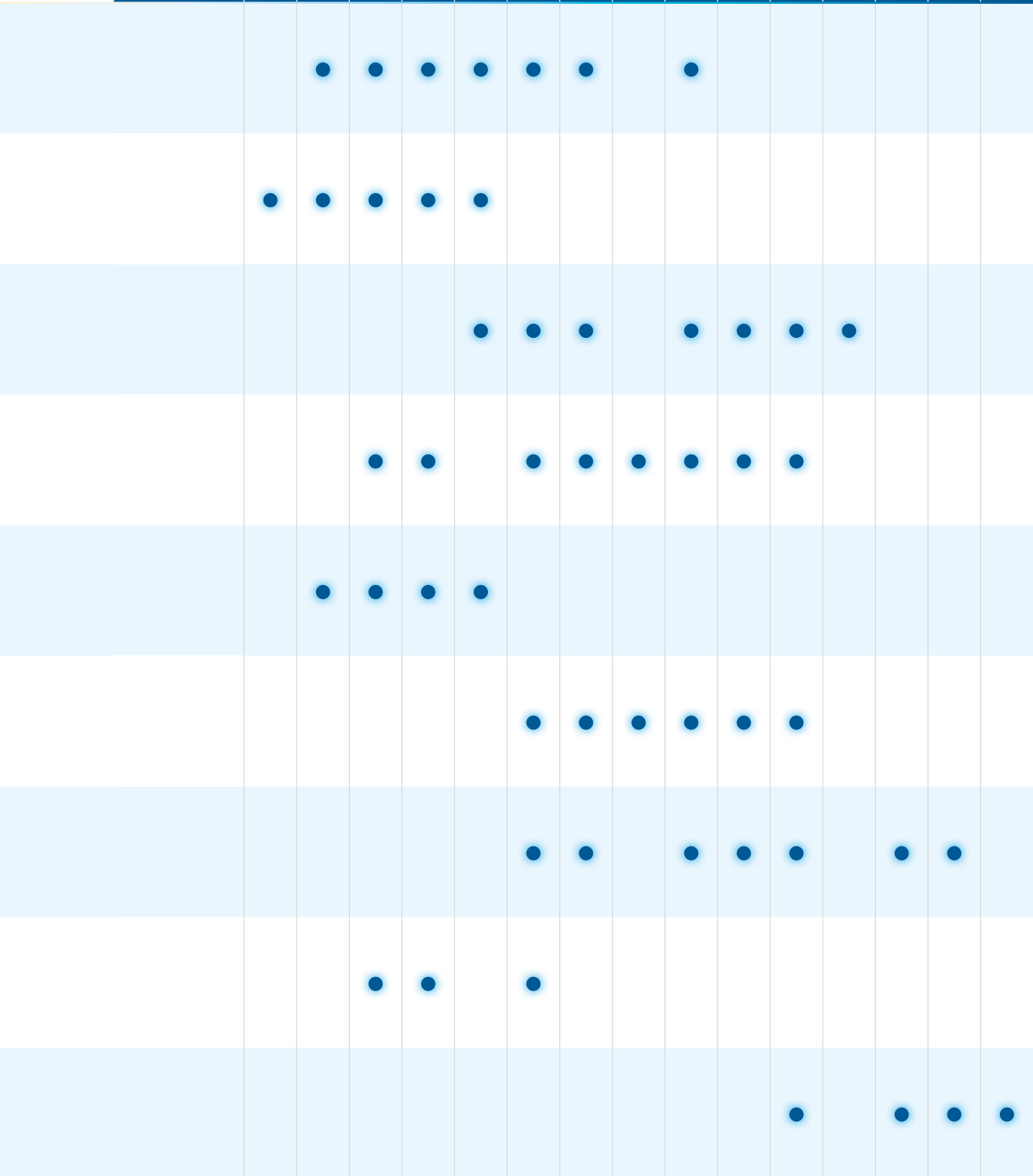
Outdoor groups

MODEL NAME	Fluid type	Page	Capacity (HP)	Cooling power (kW)	Heating power (kW)	
MINI FLOWLOGIC II		R410A	80	3	8	9.5
				4	12.5	14
		R410A	80	5	15	17
				6	18	20
				8	22.5	25
		R410A	80	10	28	31.5
				12	33.5	37.5
10				28	31.5	
FLOWLOGIC III		R410A	82	10	28	31.5
				12	33.5	37.5
				14	40	45
				16	45	50
		R410A	82	18	50.4	56.5
				20	56	63
				22	61.5	69
				24	68	73
WATER FLOWLOGIC		R410A	92	8	22.4	25.0
				10	28	31.5
				12	33.5	37.5

VRF range Indoor units

MODEL NAME			Fluid type	Page
HIGH WALL	HBV		R410A	94
CASSETTE 600X600	CBV		R410A	95
360° CASSETTE	CFV		R410A	96
FLOOR CEILING	FAV		R410A	97
DUCTED LOW STATIC PRESSURE	DDV		R410A	98
DUCTED MEDIUM STATIC PRESSURE	DBV		R410A	99
DUCTED HIGH STATIC PRESSURE	DCV		R410A	100
CONSOLE	EAV		R410A	101
AHU CONNECTION KIT				102

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





VRF
Outdoor units

MINI FLOWLOGIC II

2-PIPES - FRONT DISCHARGE

Available in
tropicalised version



+ PRODUCTS

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



RWW06
(optional)



RWW08
(optional)

FEATURES

TECHNOLOGY:



DC INVERTER



BLUE FIN TREATMENT

INSTALLER FUNCTIONS:



SELF DIAGNOSTIC



BMS COMPATIBLE



SERVICE MONITOR TOOL

CERTIFICATION

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



* models so marked are not Eurovent certified

THE + «SUSTAINABLE DEVELOPMENT»

→ Low consumption and optimised regulation for greater energy savings

THE + «USER»

- Mode lock
- Centralised management

THE + «INSTALLER»

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

THE + «TECHNOLOGY»

- Up to 16 indoor units, performance certified by Eurovent* (8,10,12 HP)

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.

10-12 HP











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



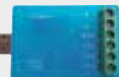
Double pressure sensor:
equipped with high and low voltage; pressure double sensors; accurate pressure control, the system runs more smoothly, and is more energy efficient.

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

MINI FLOWLOGIC II TECHNICAL DATA

Outdoor unit		AWAU-YCV080-H11*	AWAU-YCV125-H11*	AWAU-YCV150-H11*	AWAU-YCV150-H13*	AWAU-YCV180-H13*	AWAU-YCVFD220-H13	AWAU-YCVFD280-H13	AWAU-YCVFD335-H13
Phase		Single phase	Single phase	Single phase	Three phase	Three phase	Three phase	Three phase	Three phase
Part number		7SP14H045	7SP14H041	7SP14H042	7SP14H044	7SP14H043	7SP14H010	7SP14H011	7SP14H012
									
RATED POWER									
Cooling	kW	8	12.5	15	15	18	22.6	28	33.5
EER		3.64	3.79	3.77	3.77	3.47	3.9	3.5	3.44
Heating	kW	9.5	14	17	17	20	25	31.5	37.5
COP		4.31	4.12	4.35	4.35	3.9	4.6	4.2	3.90
ELECTRICAL PARAMETERS									
Phase/Voltage/Frequency		1P/220-240/50Hz/N	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	5.79	8	9.75
Heating rated power input	kW	2.20	3.40	3.91	3.91	5.13	5.43	7.5	9.62
Max. current	A	18.9	34.1	34.1	11.2	11.6	17.2	23.8	26
PERFORMANCE									
Airflow (HS)	m³/h	3500	6500	6500	6500	6500	10000	10000	10000
Sound pressure level (HS)	dB(A)	54	57	58	58	59	55	58	60
Sound power level (HS)	dB(A)	65	68	69	69	70	66	69	71
INSTALLATION									
External dimensions (WxHxD)	mm	960x830x340	960x1250x340	960x1250x340	960x1250x340	960x1250x340	1050x1636x400	1050x1636x400	1050x1636x400
Shipping dimensions (WxHxD)	mm	1095x945x410	1095x1400x410	1095x1400x410	1095x1400x410	1095x1400x410	1150x1790x510	1150x1790x510	1150x1795x510
Net weight/Gross weight	kg	70/76	99/107	99/107	99/107	99/107	168/183	168/183	168/183
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Liquid pipe diameter	inches	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"
Suction pipe diameter	inches	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"	7/8"	1"
Max. pipe length	m	100	150	150	150	150	175/150	300	300
Max. height between indoor and outdoor units*	m	30	30	30	30	30	50	50	50
Maximum indoor units connectable	quantity	4	8	8	8	9	13	16	16
OPERATING LIMITS									
Cooling	°C	10°/48°	-5°/48°	-5°/48°	-5°/48°	-5°/48°	-5°/43°	-5°/43°	-5°/43°
Heating	°C	-15°/21°	-15°/21°	-15°/21°	-15°/21°	-15°/21°	-15°/21°	-15°/21°	-15°/21°
PIPE LINE									
Refrigerant/GWP		R410A/2088	R410A/2088	R410A/2088	R410A/2088	R410A/2088	R410A/2088	R410A/2088	R410A/2088
Charge (0 m)	kg	2.4	3.8	3.8	3.8	3.8	6.1	7.4	7.4

ACCESSORIES

Accessory	Part number	Code	Photo	Function	Comment
Manifold pipe (gas + liquid)	7ACFHH001	TAU335		Refrigerant gathering	33.5 kW > Total indoor units power
	7ACFHH002	TAU506		Refrigerant gathering	33,5 kW ≤ Total indoor units power < 50.6 kW
Central controller gateway and ModBus/RTU	7ACELH027	ADV05		RWV06 and RWV08 adaptor and ModBus/RTU gateway	
Maintenance tool	7ACELH014	TD02		Working parameters monitoring and recording tool	



VRF
Outdoor units

FLOWLOGIC III

2-PIPES - TOP DISCHARGE



Available in
tropicalised version

+ PRODUCTS

- DC Inverter scroll compressor
- Wide capacity range
- Wide temperature range (-23/+50 °C)
- Very small footprint: 0.97 m²



RWV06
(optional)



RWV08
(optional)

FEATURES

TECHNOLOGY:



DC INVERTER



BLUE FIN TREATMENT

INSTALLER FUNCTIONS:



SELF DIAGNOSTIC



BMS COMPATIBLE



SERVICE MONITOR TOOL

CERTIFICATION

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



THE «SUSTAINABLE DEVELOPMENT»

→ Low consumption and optimised regulation for greater energy savings

THE «USER»

→ Capacity range from 8 to 72 HP

→ Large choice of indoor units

THE «INSTALLER»

→ Up to 1000 m of refrigeration network and 110 m of height difference

→ Access to all parameters *via* the HMI for easier commissioning and maintenance

THE «TECHNOLOGY»

→ Anti-corrosion treatment

→ Up to 64 indoor units

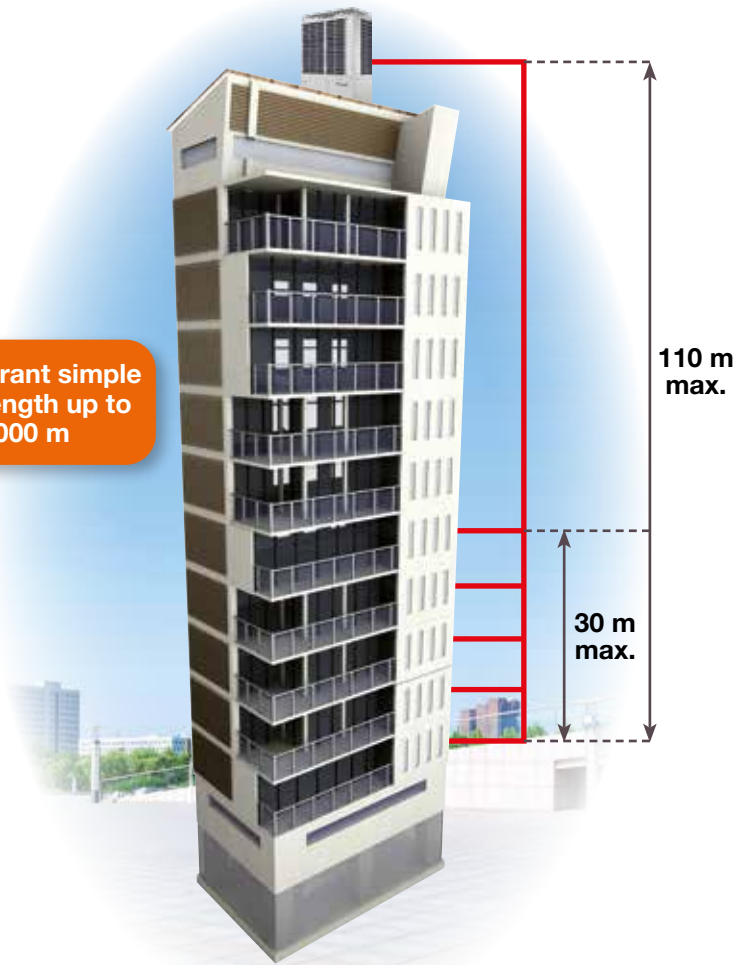
→ Performance certified by Eurovent

ACCESSORIES

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

HIGH MODULARITY: LONG PIPE LENGTH, HIGH HEIGHT DROP

Refrigerant simple pipe length up to 1000 m



- Floor area optimized for all the product range (same foot print for all modules: 0.97 m²)
- One of the smallest footprint on market

- Full DC Inverter
- 2 x Full DC Inverter



→ 0.97 m²

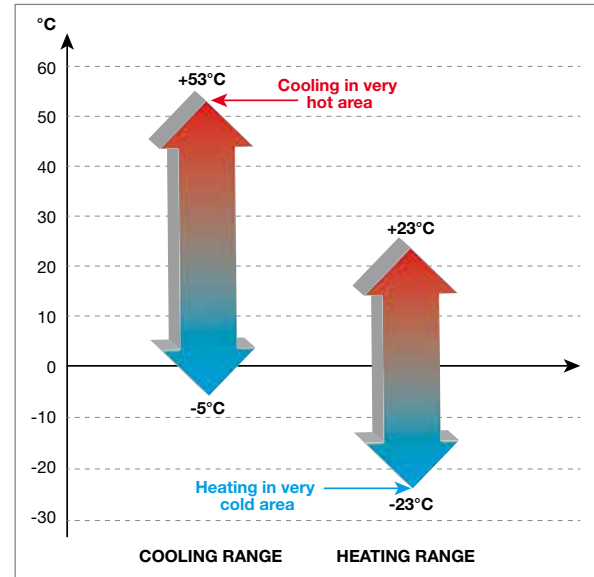


■ **High static pressure outdoor unit:**
82 Pa, long air duct



Hidden solution:
installation of
outdoor unit in a
technical room

■ **Wide operation range**



→ **Specific design:**

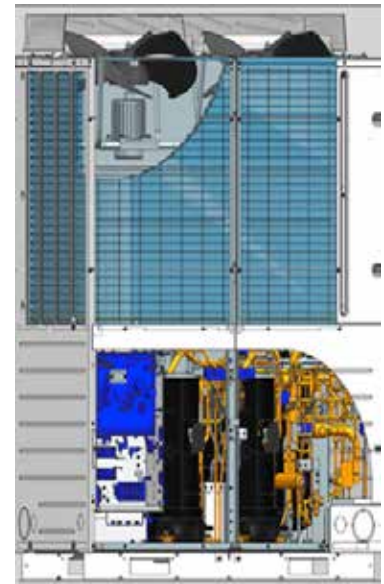
- Double EEV
- Two-piece condenser
- Independent electrical box

→ **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

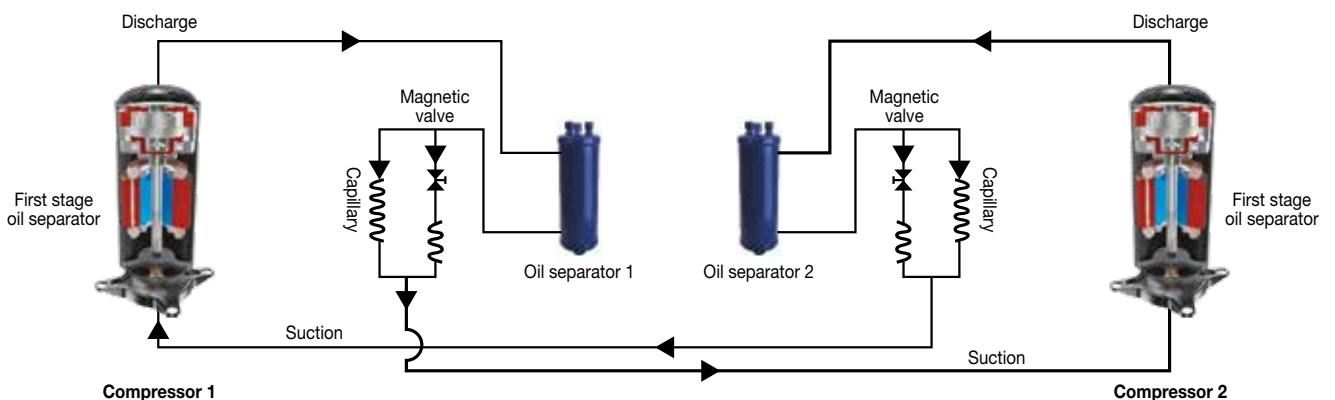
→ **Fan:**

- 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 unit	AWAU-YDV 280-H13	AWAU-YDV 335-H13	AWAU-YDV 400-H13	AWAU-YDV 450-H13	AWAU-YDV 504-H13	AWAU-YDV 560-H13	AWAU-YDV 615-H13	AWAU-YDV 680-H13
Part number	7SP14H030	7HP14H031	7SP14H032	7SP14H033	7SP14H034	7SP14H035	7SP14H036	7SP14H037
Outdoor unit Tropicalized version - Drop only	AW-YDV 280TR-H13	AW-YDV 335TR-H13	AW-YDV 400TR-H13	AW-YDV 450TR-H13	AW-YDV 504TR-H13	AW-YDV 560TR-H13	AW-YDV 615TR-H13	AW-YDV 680TR-H13
Part number	7SP14H058	7SP14H059	7SP14H060	7SP14H061	7SP14H062	7SP14H063	7SP14H064	7SP14H065
Phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase	Three phase
								

POWERS

Capacity range	HP	10	12	14	16	18	20	22	24
Cooling	kW	28	33.5	40	45	50.4	56	61.5	68
Heating	kW	31.5	37.5	45	50	56.5	63	69	73

ELECTRICAL PARAMETERS

Phase/Voltage/Frequency		3P/380-400V/50-60Hz/N								
Cooling	Rated power input	kW	7.00	8.59	10.26	11.90	13.62	15.56	17.57	19.71
	Power input max.	kW	14.38	14.73	16.91	22.68	22.10	25.19	30.56	37.47
	Rated current	A	11.56	14.19	16.94	19.66	22.50	25.69	29.02	32.55
	Current max.	A	23.68	25.1	28.40	36.80	36.15	41.10	49.65	60.65
Heating	Rated power input	kW	7.08	8.72	10.71	12.05	13.95	15.95	18.16	19.47
	Power input max.	kW	13.23	13.68	15.60	17.20	22.68	25.19	27.72	28.62
	Rated current	A	11.69	14.40	17.69	19.90	23.04	26.34	29.99	32.15
	Current max.	A	21.79	22.1	25.20	27.88	37.80	42.00	46.05	47.40
EER		4.00	3.90	3.90	3.78	3.70	3.60	3.50	3.45	
Seasonal energy efficiency		274	269	255	236	242	233	229	223	
COP		4.45	4.30	4.20	4.15	4.05	3.95	3.80	3.75	
Seasonal energy efficiency		199	193	185	163	165	163	154	149	

PERFORMANCE

Airflow	Heating	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	m	1000	1000	1000	1000	1000	1000	1000	1000
Max. height between indoor and outdoor units (ODU up/down)	m	50/40	50/40	50/40	50/40	50/40	50/40	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	



TECHNICAL DATA FOR TWO COMBINATIONS

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

POWERS

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

ELECTRICAL PARAMETERS

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

PERFORMANCE

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

INSTALLATION

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

TECHNICAL DATA FOR TWO COMBINATIONS

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



POWERS

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

ELECTRICAL PARAMETERS

Phase/Voltage/Frequency		3P/380-400V/50-60Hz/N						
Cooling	Rated power input	kW	29.18	31.11	33.13	35.27	37.28	39.42
	Power input max.	kW	47.28	50.37	55.75	62.66	68.03	74.94
	Rated current	A	48.19	51.38	54.71	58.24	61.57	65.10
	Current max.	A	77.25	82.20	90.75	101.55	110.1	120.90
Heating	Rated power input	kW	29.90	31.90	34.11	35.42	37.62	38.93
	Power input max.	kW	47.87	50.37	52.91	53.81	56.34	57.24
	Rated current	A	49.38	52.68	56.33	58.49	62.14	64.30
	Current max.	A	19.80	84.00	88.05	89.40	93.45	94.80
EER		3.65	3.60	3.55	3.52	3.47	3.45	
COP		4.00	3.95	3.87	3.84	3.77	3.75	

PERFORMANCE

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

INSTALLATION

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



TECHNICAL DATA FOR THREE COMBINATIONS

Outdoor unit	YDV1408-H13	YDV1460-H13	YDV1514-H13	YDV1570-H13
Phase	Three phase	Three phase	Three phase	Three phase
Combinations part number	YDV400 / 7SP14H032	YDV450 / 7SP14H033	YDV450 / 7SP14H033	YDV450 / 7SP14H033
	YDV504 / 7SP14H034	YDV450 / 7SP14H033	YDV504 / 7SP14H034	YDV560 / 7SP14H035
	YDV504 / 7SP14H034	YDV560 / 7SP14H035	YDV560 / 7SP14H035	YDV560 / 7SP14H035

POWERS

	HP	50	52	54	56
Capacity range					
Cooling	kW	140.8	146	151.4	157
Heating	kW	158	163	169.5	176

ELECTRICAL PARAMETERS

Phase/Voltage/Frequency		3P/380-400V/50-60Hz/N				
Cooling	Rated power input	kW	37.50	39.37	41.08	43.02
	Power input max.	kW	61.10	70.55	69.96	73.05
	Rated current	A	61.93	65.01	67.85	71.04
	Current max.	A	100.70	114.70	114.05	119.00
Heating	Rated power input	kW	38.62	40.05	41.95	43.95
	Power input max.	kW	60.96	59.59	65.07	67.57
	Rated current	A	63.77	66.14	69.28	72.58
	Current max.	A	100.80	97.76	107.68	111.88
EER			3.75	3.71	3.69	3.65
COP			4.09	4.07	4.04	4.00

PERFORMANCE

Airflow	Heating	m³/h	44440	44440	48000	48000
	Cooling	m³/h	43200	43480	44440	44440
Sound pressure level to 1 m		dB(A)	66	66	66.5	66.5
Sound power level		dB(A)	84	84	85	85

INSTALLATION

Dimensions (WxHxD)	mm	1350x1690x720 + (1350x2048x720)x2	1350x1690x720 + (1350x2048x720)x2	1350x1690x720 + (1350x2048x720)x2	1350x1690x720 + (1350x2048x720)x2	
Refrigerant/GWP		R410A/2088				
Refrigerant charge	kg	10+10+10	10+10+10	10+10+10	10+10+10	
Net weight/Gross weight	kg	279/304 + (335/360)x2	321/346 + (335/360)x2	321/346 + (335/360)x2	(335/360)x3	
Compressor type		Scroll	Scroll	Scroll	Scroll	
Tubing	Liquid pipe diameter	inches	3/4"	3/4"	3/4"	3/4"
	Suction pipe diameter	inches	1"1/2	1"1/2	1"1/2	1"5/8
	Oil equalization pipe	inches	3/8"	3/8"	3/8"	3/8"
	Max. tube length	m	1000	1000	1000	1000
Max. height between indoor and outdoor units (ODU up/down)	m	50/40	50/40	50/40	50/40	
Max. height between indoor units	m	18	18	18	18	
External static pressure	Pa	82	82	82	82	
Environment temperature range	Cooling	°C	-5°/50°			
	Heating	°C	-23°/21°			
Maximum indoor units connectable	quantity	64	64	64	64	

TECHNICAL DATA FOR THREE COMBINATIONS

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



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

ELECTRICAL PARAMETERS						
Phase/Voltage/Frequency			3P/380-400V/50-60Hz/N			
Cooling	Rated power input	kW	44.73	46.67	48,68	50.82
	Power input max.	kW	72.47	75.56	80,93	87.84
	Rated current	A	73.88	77.07	80,40	83.93
	Current max.	A	118.35	123.30	131,85	142.65
Heating	Rated power input	kW	45.85	47.85	50,06	51.37
	Power input max.	kW	73.05	75.56	78,09	78.99
	Rated current	A	75.72	79.02	82,67	84.83
	Current max.	A	121.80	126.00	130,05	131.40
EER		3.63	3.60	3,56	3.54	
COP		3.98	3.95	3,90	3.87	

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

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



TECHNICAL DATA FOR THREE COMBINATIONS

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



POWERS

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

ELECTRICAL PARAMETERS

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

PERFORMANCE

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

INSTALLATION

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



VRF
Water condensing

WATER FLOWLOGIC

WATER CONDENSING VRF



+ PRODUCTS

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



RWV06
(optional)



RWV08
(optional)

FEATURES

TECHNOLOGY:



DC INVERTER

INSTALLER FUNCTIONS:



SELF DIAGNOSTIC



BMS COMPATIBLE



SERVICE MONITOR TOOL

THE «SUSTAINABLE DEVELOPMENT»

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

THE «USER»

- 100% indoor application
- Practical and discreet solution

THE «INSTALLER»

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

THE «TECHNOLOGY»

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

ACCESSORIES

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

WATER FLOWLOGIC TECHNICAL DATA

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



VRF
Indoor units

HBV HIGH WALL



+ PRODUCTS

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



RWW05
(optional)



RWW03
(optional)



RWW07
(optional)

FEATURES

TECHNOLOGY:



ELECTRONIC
EXPANSION VALVE

USER FUNCTIONS:



I FEEL



PROGRAMMABLE
TIMER



AUTO RESTART
(MEMORY)

INSTALLER FUNCTIONS:



ERROR CODE VIA
INDOOR UNIT



DRY CONTACT
ON/OFF

THE «SUSTAINABLE DEVELOPMENT»

→ Energy savings (mode locking, setpoint limits)

THE «USER»

→ Simple and elegant design

→ Silent operation

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

THE «INSTALLER»

→ Thickness

THE «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve

HBV TECHNICAL DATA

Indoor unit		AWSI- HBV007-N11	AWSI- HBV009-N11	AWSI- HBV012-N11	AWSI- HBV016-N11	AWSI- HBV018-N11	AWSI- HBV024-N11	AWSI- HBV030-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP02H019		7SP02H014	7SP02H020		7SP02H016	7SP02H018
RATED POWER								
Cooling	kBtu/h	7.5	9.5	12.3	15.3	19.1	24.2	30.7
	kW	2.2	2.8	3.6	4.5	5.6	7.1	9
Heating	kBtu/h	8.5	10.9	13.6	17.1	21.5	27.3	34.1
	kW	2.5	3.2	4	5	6.3	8	10
ELECTRICAL PARAMETERS								
Phase/Voltage/Frequency		1P/220-230V/50-60Hz						
PERFORMANCE								
Airflow (LS/MS/HS)	m³/h	420/480/550	470/530/600	500/560/630	650/720/800	720/800/920	800/920/1010	1400/1500/1600
Noise level (LS/MS/HS)	dB(A)	29/31/35	29/31/36	29/33/37	34/36/39	35/39/40	36/40/44	41/44/19
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"



THE + «SUSTAINABLE DEVELOPMENT»

→ Energy savings (mode locking, setpoint limits)

THE + «USER»

→ Air renewal by supply of fresh air

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

THE + «INSTALLER»

→ Easy integration into false ceilings thanks to its reduced height

→ Simple installation thanks to its integrated condensate pump

THE + «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve

+ PRODUCTS

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



RCV02 (optional)



RWW03 (optional)



RWW07 (optional)

CBV TECHNICAL DATA

Indoor unit		AWSI-CBV005-N11	AWSI-CBV007-N11	AWSI-CBV009-N11	AWSI-CBV012-N11	AWSI-CBV016-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP04H020	7SP04H038		7SP04H039	
RATED POWER						
Cooling	kBtu/h	5.1	7.5	9.5	12.3	15.3
	kW	1.5	2.2	2.8	3.6	4.5
Heating	kBtu/h	5.8	8.5	10.9	13.6	17.1
	kW	1.7	2.5	3.2	4	5
ELECTRICAL PARAMETERS						
Phase/Voltage/Frequency		1P/220-230V/50-60Hz				
PERFORMANCE						
Airflow (LS/MS/HS)	m³/h	430/540/650	480/590/700	480/590/700	480/590/700	480/590/700
Noise level (LS/MS/HS)	dB(A)	28/29/31	29/30/32	29/30/32	29/30/32	29/30/33
INSTALLATION						
External dimensions (WxHxD)	mm	570x260x570	570x260x570	570x260x570	570x260x570	570x260x570
Shipping dimensions (WxHxD)	mm	718x380x680	718x380x680	718x380x680	718x380x680	718x380x680
Net weight/Gross weight	kg	16/19	16/19	16/19	19/22	19/22
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"	1/4"
Suction pipe diameter	inches	3/8"	3/8"	3/8"	1/2"	1/2"
FRAME						
Frame part number		7ACV FH001	7ACV FH001	7ACV FH001	7ACV FH001	7ACV FH001
External dimensions (WxHxD)	mm	700x60x700	700x60x700	700x60x700	700x60x700	700x60x700
Shipping dimensions (WxHxD)	mm	740x115x750	740x115x750	740x115x750	740x115x750	740x115x750
Net weight/Gross weight	kg	2.8/4.5	2.8/4.5	2.8/4.8	2.8/4.8	2.8/4.8

FEATURES

TECHNOLOGY:



ELECTRONIC EXPANSION VALVE

AIR QUALITY / CLEAN:



FRESH AIR

USER FUNCTIONS:



I FEEL



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:



INTEGRATED WATER PUMP



DRY CONTACT ON/OFF



VRF
Indoor units

CFV 360° CASSETTE



+ PRODUCTS

- RCV02 remote control included
- 360° air blowing
- Integrated condensate pump
- Extra-slim unit
- Fresh air inlet
- Dry contact available



RCV02
(optional)



RWW03
(optional)



RWW07
(optional)

FEATURES

TECHNOLOGY:



ELECTRONIC
EXPANSION VALVE



MULTIFLOW 360°

AIR QUALITY / CLEAN:



FRESH AIR

USER FUNCTIONS:



I FEEL



PROGRAMMABLE
TIMER



AUTO RESTART
(MEMORY)

INSTALLER FUNCTIONS:



INTEGRATED WATER
PUMP



DRY CONTACT
ON/OFF

THE «SUSTAINABLE DEVELOPMENT»

→ Energy savings (mode locking, setpoint limits)

THE «USER»

→ Optimal comfort with its 360° blown air output

→ Air renewal by supply of fresh air

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

THE «INSTALLER»

→ Simple installation (180 mm high)

THE «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve

CFV TECHNICAL DATA

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



THE + «SUSTAINABLE DEVELOPMENT»

→ Energy savings (mode locking, setpoint limits)

THE + «USER»

→ Air blowing distance up to 11m

→ Horizontal and vertical airflow sweep

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

THE + «INSTALLER»

→ Horizontal or vertical installation

THE + «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve

+ PRODUCTS

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



RCV02
(optional)



RWW03
(optional)



RWW07
(optional)

FAV TECHNICAL DATA

Indoor unit		AWSI-FAV009-N11	AWSI-FAV012-N11	AWSI-FAV018-N11	AWSI-FAV024-N11	AWSI-FAV028-N11	AWSI-FAV030-N11	AWSI-FAV038-N11	AWSI-FAV048-N11	
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	
Part number		7SP02H007	7SP01H004	7SP02H011	7SP01H005	7SP01H005	7SP01H005	7SP01H006	7SP01H006	
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	6.3	8	9	10	12.5	16	
ELECTRICAL PARAMETERS										
Phase/Voltage/Frequency		1P/220-230V/50-60Hz								
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	
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"	

FEATURES

TECHNOLOGY:



ELECTRONIC EXPANSION VALVE

USER FUNCTIONS:



I FEEL



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:



DRY CONTACT ON/OFF



VRF
Indoor units

DDV

DUCTED LOW STATIC PRESSURE



+ PRODUCTS

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



RCV02
(optional)



RWW03
(optional)



RWW07
(optional)

FEATURES

TECHNOLOGY:



ELECTRONIC
EXPANSION VALVE



4D AIRFLOW

AIR QUALITY / CLEAN:



FRESH AIR

USER FUNCTIONS:



I FEEL



SUPER QUIET



PROGRAMMABLE
TIMER



AUTO RESTART
(MEMORY)

INSTALLER FUNCTIONS:



INTEGRATED WATER
PUMP



DRY CONTACT
ON/OFF

THE «SUSTAINABLE DEVELOPMENT»

→ Energy savings (mode locking, setpoint limits)

THE «USER»

→ Super quiet 21 dB

→ Designer solution thanks to its motorised panel

→ Directable airflow

→ Air renewal by supply of fresh air

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

THE «INSTALLER»

→ Simple installation (185 mm high)

THE «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve

→ Front panel with digital display

DDV TECHNICAL DATA

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



THE + «SUSTAINABLE DEVELOPMENT»

→ Energy savings (mode locking, setpoint limits)

THE + «USER»

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

→ Air renewal by supply of fresh air

THE + «INSTALLER»

→ Ease of installation thanks to its small dimensions

→ Integrated condensate pump

THE + «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve

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

+ PRODUCTS

- RWV05 remote control included
- Integrated condensate pump
- Extra-slim unit 250 mm
- Fresh air supply
- Adjustable static pressure 50-100 Pa
- Dry contact available



RCV02 (optional)



(REC01 infrared receiver to combined with RCV02)



RWV03 (optional)



RWV07 (optional)

DBV TECHNICAL DATA

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

FEATURES

TECHNOLOGY:



ELECTRONIC EXPANSION VALVE

AIR QUALITY / CLEAN:



FRESH AIR

USER FUNCTIONS:



I FEEL



SUPER QUIET



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:



INTEGRATED WATER PUMP



DRY CONTACT ON/OFF



VRF
Indoor units

DCV

DUCTED HIGH STATIC PRESSURE



DCV 048



DCV 072-096

+ PRODUCTS

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



RCV02
(optional)



RWW03
(optional)



RWW07
(optional)

FEATURES

TECHNOLOGY:



ELECTRONIC
EXPANSION VALVE

USER FUNCTIONS:



I FEEL



PROGRAMMABLE
TIMER



AUTO RESTART
(MEMORY)

INSTALLER FUNCTIONS:



DRY CONTACT
ON/OFF

THE «SUSTAINABLE DEVELOPMENT»

→ Energy savings (mode locking, setpoint limits)

THE «USER»

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

THE «INSTALLER»

→ Possible installation on textile duct

THE «TECHNOLOGY»

→ Optimal regulation thanks to its electronic expansion valve

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



DCV TECHNICAL DATA

Indoor unit		AWSI-DCV018-N11	AWSI-DCV024-N11	AWSI-DCV030-N11	AWSI-DCV038-N11	AWSI-DCV048-N11	AWSI-DCV072-N11	AWSI-DCV096-N11
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Part number		7SP03H014	7SP03H015	7SP03H043		7SP03H044		
RATED POWER								
Cooling	kBtu/h	19.1	24.2	30.7	38.2	47.7	77.1	95.5
	kW	5.6	7.1	9	11.2	14	22.6	28
Heating	kBtu/h	21.5	27.3	34.1	42.6	54.6	85.3	108.5
	kW	6.3	8	10	12.5	16	25	31.5
ELECTRICAL PARAMETERS								
Phase/Voltage/Frequency		1P/220-230V/50-60Hz						
PERFORMANCE								
Airflow (LS/MS/HS)	m³/h	1089/1357/1500	1089/1357/1500	1133/1412/1560	1162/1448/1600	1525/1901/2100	2612/3255/4050	2612/3255/4050
Noise level (LS/MS/HS)	dB(A)	38/40/42	38/40/42	40/43/45	40/43/45	40/43/45	49/51/54	49/51/54
INSTALLATION								
External dimensions (WxHxD)	mm	975x360x906	975x360x906	1355x360x876	1355x360x876	1197x360x830	1570x360x880	1570x360x880
Shipping dimensions (WxHxD)	mm	1048x413x943	1048x413x943	1378x405x938	1378x405x938	1430x420x940	1800x525x1000	1800x525x1000
Net weight/Gross weight	kg	48/58	48/58	62/77	62/77	62/77	100/111	100/111
Liquid pipe diameter	inches	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction pipe diameter	inches	1/2"	5/8"	5/8"	5/8"	5/8"	1"	1"
External static pressure (standard)*	Pa	100	100	100	100	100	100	100

* For complete external static pressure curves, contact us.



THE + «SUSTAINABLE DEVELOPMENT»

→ Energy savings (locking mode, setpoint limits)

THE + «USER»

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

THE + «INSTALLER»

- Very compact
- Ideal solution for rooms with low ceilings

THE + «TECHNOLOGY»

- Optimal regulation thanks to its electronic expansion valve

+ PRODUCTS

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



RWW05
(optional)



RWW07
(optional)

FEATURES

TECHNOLOGY:



ELECTRONIC EXPANSION VALVE

USER FUNCTIONS:



I FEEL



SUPER QUIET



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS:



DRY CONTACT ON/OFF

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

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

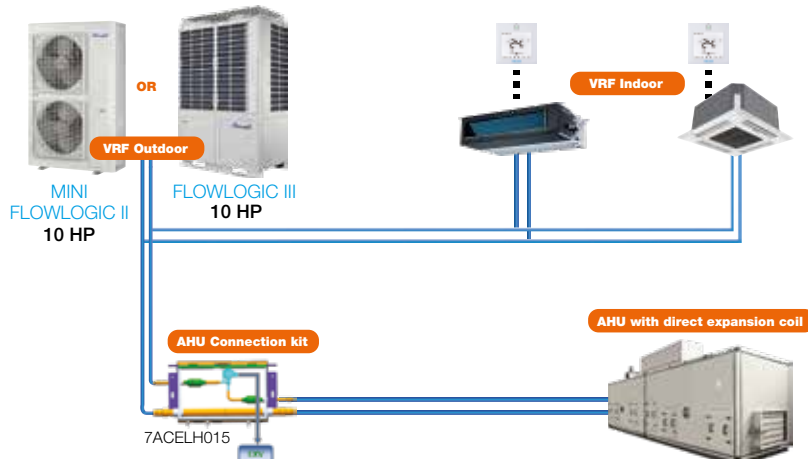


Shopping centres



Hospitals

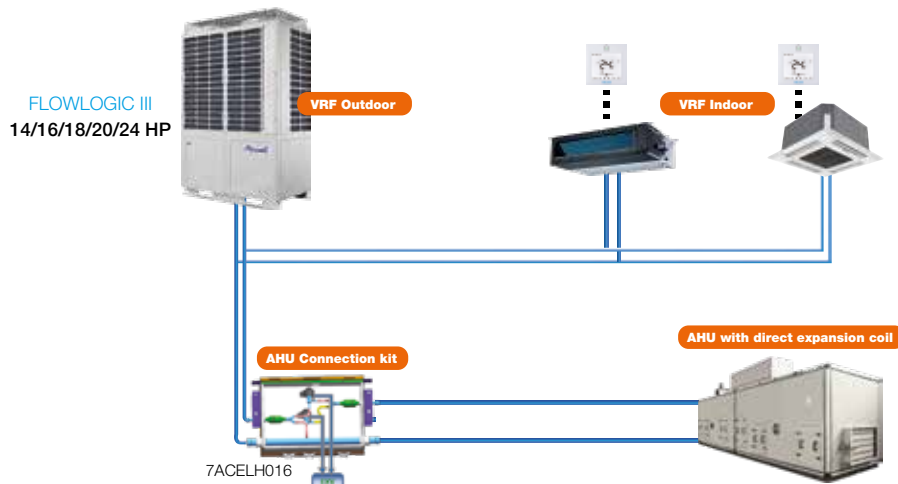
■ CONFIGURATION BETWEEN 14 AND 28 KW



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

AHU and direct expansion coil to be purchased through other supplier



■ CONFIGURATION BETWEEN 28 AND 56 KW



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

AHU and direct expansion coil to be purchased through other supplier

VRF OUTDOOR LINE UP

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

AHU KIT CONFIGURATION

Airwell AHU connection kit consists in the following 4 parts:

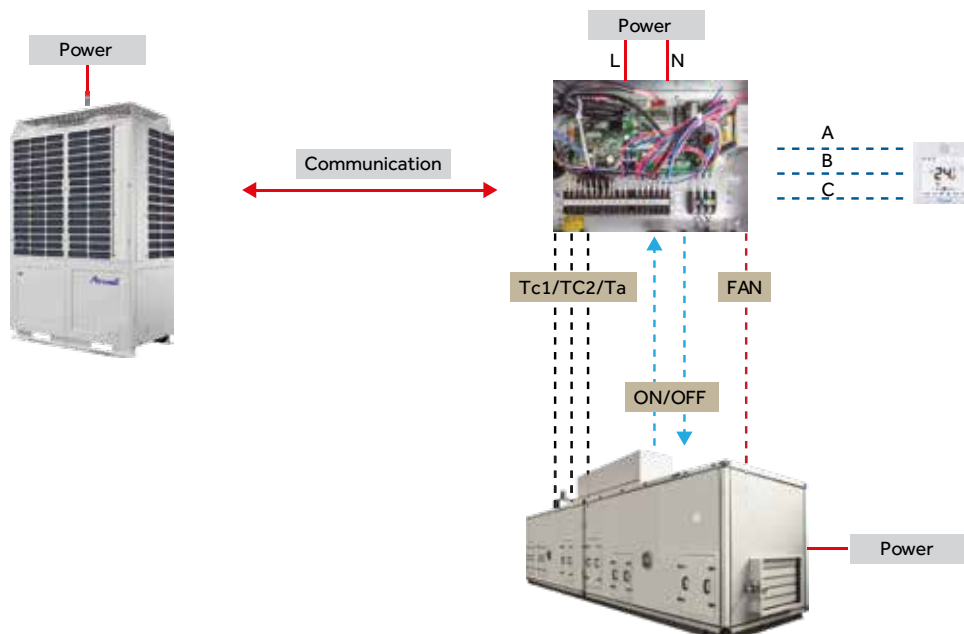


Different Valve ▼ Same Control Parts



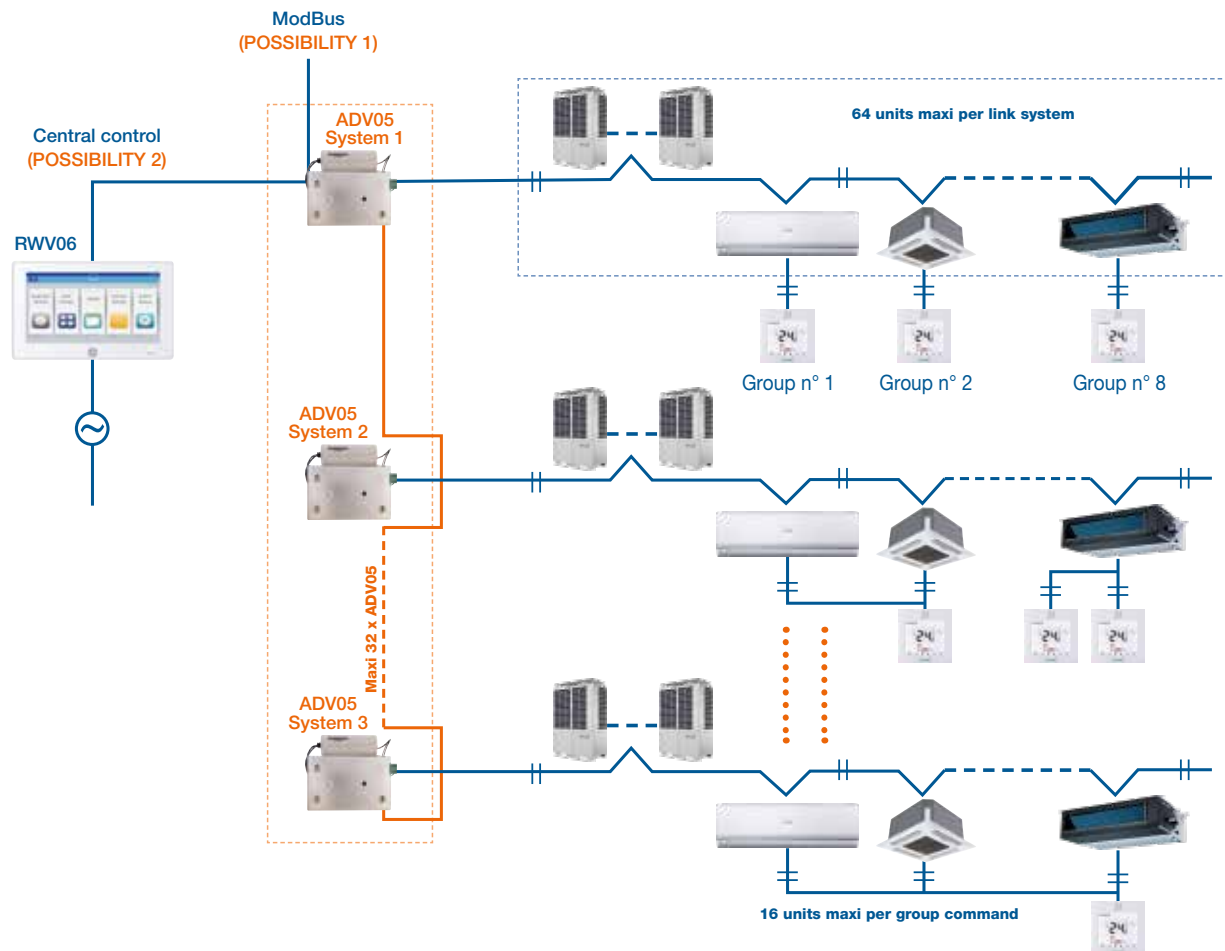
- EXV part, control part, sensor and wire are all integrated in one box.
- Controller need to be purchased separately.
- Temperature control *via* outlet air sensor on AHU.

WIRING DIAGRAM



Central control solutions with ADV05

ONLY ONE GATEWAY: CENTRAL CONTROL OR MODBUS



TOUCH SCREEN CENTRAL REMOTE CONTROL RWW06

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


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



The main functions are:


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

Part number RWW06: 7ACELH023

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

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

Air to water heat pumps range

MODEL NAME	Fluid type	Page	Main application	Mode	Domestic Hot Water	+ Product
 WELLEA MONOBLOC	R32	112	Refurbishment	Cooling and heating	Optional	Monobloc system
HEAT PUMP  WELLEA SPLIT	R32 - R410A	116	New build	Cooling and heating	Optional	Compact solution
 WELLEA WT	R32 - R410A	118	New build	Cooling and heating	Integrated	Solar energy available
HEAT PUMP WITHOUT OUTDOOR UNIT  HOME+	R410A	120	Invisible: no outdoor unit	Cooling and Heating	Integrated	All in one: DHW and reversible



Heat pumps range



Why installing a heat pump?

It's choosing the most cost-effective and environmentally friendly heating system on the market.

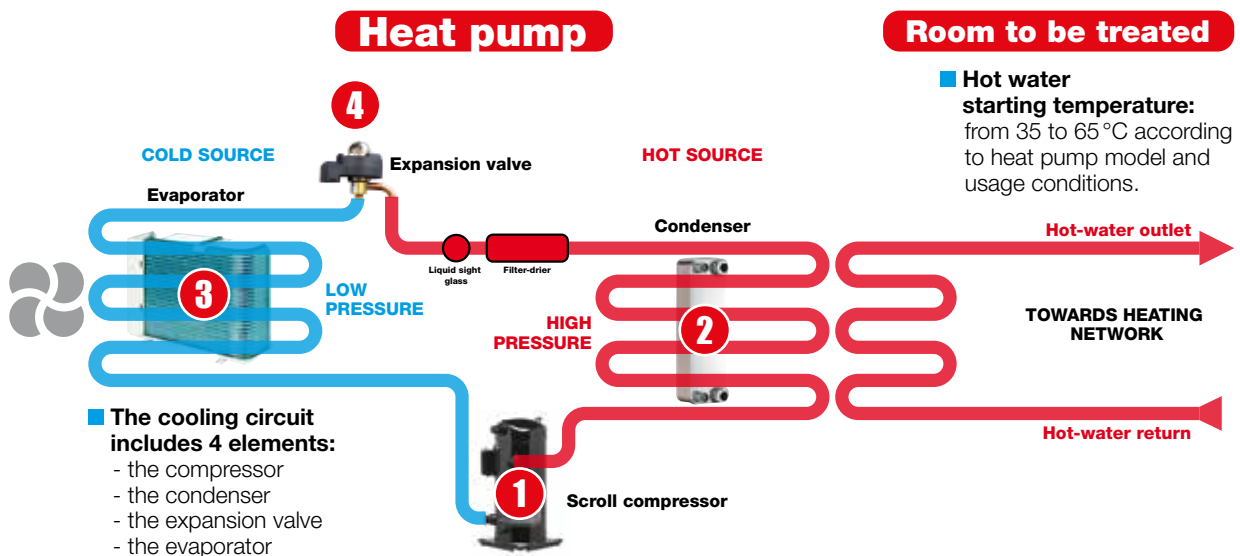


The advantages of a heat pump at home:

- Clean and renewable energy
- Up to **70% savings** on the annual heating bill
- Comfort all year round: **reversible** solution
- Compatibility with different types of transmitters (floor heating, radiator...)
- **Economic:** benefit from financial aids.

STANDARD REFRIGERANT CIRCUIT

A heat pump recovers heat outside the house, concentrates this heat and restores it inside the house.



- 1** The compressor compresses the refrigerant and raises its pressure and temperature.
- 2** By passing through the condenser, the heated refrigerant yields some of its calories to the warmer environment with lower temperature.
- 3** The regulator lowers the pressure and thus the fluid temperature.
- 4** By going through the evaporator, its temperature being lower than that of the cold environment, the fluid captures the calories and the cycle can start again.



Heat pumps
Cooling and heating

WELLEA MONOBLOC

MONOBLOC HEAT PUMP



5-7-9kW



12-14-16kW

COP up to 5.00

EER up to 4.82

+ PRODUCTS

- RCW24 remote control included
- Water at up to 60°C at outdoor temperatures down to -10°C
- Dry contact + ModBus (redundancy and cascade possible)
- Compatible with all types of emitter
- Electric heater included from 12kW

FEATURES



WEEK TIMER



COOLING MODE OPERATIONAL UP TO 46°C OUTDOORS



HEATING MODE OPERATIONAL DOWN TO -25°C OUTDOORS



HIGH TEMPERATURE UP TO 60°C



FLOOR HEATING



HIGH-TEMPERATURE RADIATOR



LOW-TEMPERATURE RADIATOR



BOILER BACKUP



ULTRA QUIET



WiFi



WATER PROGRAMS



CEE

THE + «SUSTAINABLE DEVELOPMENT»

→ High energy class A+++

THE + «USER»

- Compatible with all emitters
- Great flexibility of use
- Perfect for replacing an oil or gas burner

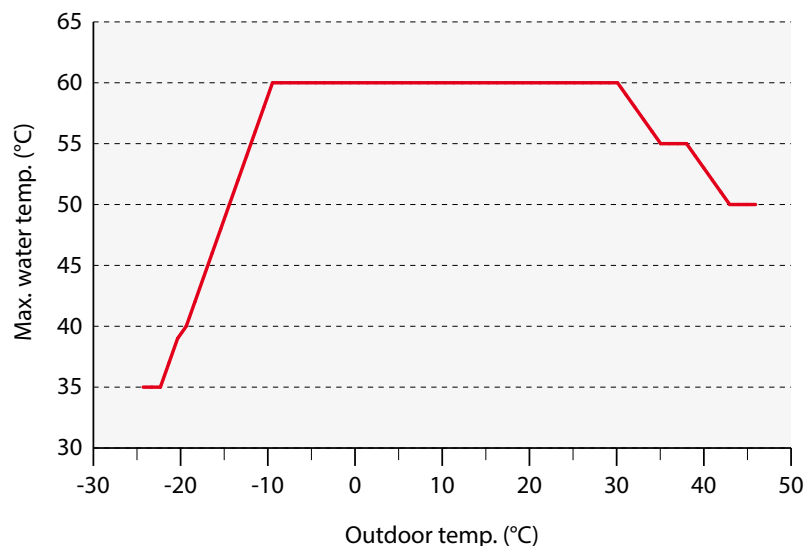
THE + «INSTALLER»

→ Customisable water program, allowing the entire heating circuit to be managed using the many available connections

THE + «TECHNOLOGY»

- Operates at outdoor temperatures down to -25°C
- HP Keymark certified

60°C WATER TEMPERATURE DOWN TO -10°C OUTDOOR TEMPERATURE



WELLEA MONOBLOC TECHNICAL DATA - SINGLE PHASE

Model		AW-WHPM05-H91	AW-WHPM07-H91	AW-WHPM09-H91	AW-WHPM12-H91	AW-WHPM14-H91	AW-WHPM16-H91	
Part number		7HP061050	7HP061051	7HP061052	7HP061053	7HP061054	7HP061055	
Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	
HEATING MODE								
Air +7°C Water 30/35°C	Heating capacity	kW	4.65	6.65	8.60	12.30	14.10	16.30
	Power input	kW	0.93	1.35	1.87	2.56	3.07	3.66
	COP		5.00	4.94	4.60	4.81	4.60	4.45
Air -7°C Water 30/35°C	Heating capacity	kW	4.90	6.45	7.50	12.00	12.80	13.50
	Power input	kW	1.64	2.16	2.53	4.29	4.60	4.91
	COP		2.99	2.98	2.96	2.80	2.78	2.75
Air +7°C Water 40/45°C	Heating capacity	kW	4.80	6.70	8.60	12.40	14.10	16.20
	Power input	kW	1.33	1.88	2.50	3.52	4.06	4.72
	COP		3.60	3.57	3.44	3.53	3.47	3.43
Air +7°C Water 47/55°C	Heating capacity	kW	4.65	6.80	8.60	11.90	14.20	16.10
	Power input	kW	1.77	2.42	3.13	4.28	5.17	5.91
	COP		2.63	2.81	2.75	2.78	2.75	2.73
COOLING MODE								
Air 35°C Water 12/7°C	Cooling capacity	kW	4.85	6.30	7.95	10.90	12.90	13.80
	Power input	kW	1.63	2.27	3.15	3.74	4.62	5.21
	EER		2.98	2.77	2.53	2.92	2.80	2.65
Air 35°C Water 23/18°C	Cooling capacity	kW	4.60	6.45	8.00	12.20	14.00	15.50
	Power input	kW	0.95	1.39	1.92	2.55	3.10	3.64
	EER		4.82	4.65	4.16	4.78	4.52	4.26
PERFORMANCE								
Energy label	Water outlet to 35°C	ηs/ class	176%/A+++	176%/A+++	177%/A+++	169%/A++	168%/A++	169%/A++
	Water outlet to 55°C	ηs/ class	127%/A++	127%/A++	126%/A++	126%/A++	128%/A++	128%/A++
SCOP (average climate)	Water outlet to 35°C		4.47	4.47	4.51	4.29	4.27	4.30
	Water outlet to 55°C		3.24	3.24	3.22	3.23	3.26	3.27
SEER (average climate)	Water outlet to 7°C		4.71	4.99	4.92	4.85	4.73	4.54
	Water outlet to 18°C		7.61	8.58	7.88	7.50	7.16	6.78
Sound level		dB(A)	61	64	67	68	71	71
OPERATING LIMITS								
Outdoor air temperature	Cooling	°C	-5/43			-5/46		
	Heating	°C				-25/35		
	DHW	°C				-25/43		
Water temperature	Cooling	°C				5/25		
	Heating	°C				25/60		
	DHW	°C				40/60		
POWER SUPPLY								
Electric backup heater	Built-in standard	kW	-	-	-	3.0	3.0	3.0
	Optional	kW	3.0	3.0	3.0	-	-	-
	Number of stages		1	1	1	1	1	1
Phase/Voltage/Frequency			1P/220-240V/50Hz					
Fuse rating	A	25	25	25	30	30	30	
INSTALLATION & OTHERS								
Airflow		m³/h	3050	3050	3050	6150	6150	6150
Refrigerant	Type/GWP		R32/675					
	Charge	kg	2.0			2.8		
Outline dimensions (WxHxD)		mm	1210x945x402			1404x1414x405		
Package dimensions (WxHxD)		mm	1500x1140x450			1475x1580x440		
Net weight/Gross weight		kg	92/110			163/183		
Water connection		inches	1" Male			1-1/4" Male		



WELLEA MONOBLOC TECHNICAL DATA - THREE PHASE

Model			AW-WHPM12-H93	AW-WHPM14-H93	AW-WHPM16-H93
Part number			7HP061056	7HP061057	7HP061058
Phase			Three phase	Three phase	Three phase
HEATING MODE					
Air +7 °C Water 30/35 °C	Heating capacity	kW	12.30	14.10	16.30
	Power input	kW	2.54	3.05	3.63
	COP		4.84	4.63	4.49
Air -7 °C Water 30/35 °C	Heating capacity	kW	12.00	12.80	13.50
	Power input	kW	4.22	4.55	4.85
	COP		2.84	2.81	2.79
Air +7 °C Water 40/45 °C	Heating capacity	kW	12.40	14.10	16.20
	Power input	kW	3.45	3.99	4.70
	COP		3.59	3.54	3.45
Air +7 °C Water 47/55 °C	Heating capacity	kW	11.90	14.20	16.10
	Power input	kW	4.24	5.10	5.83
	COP		2.81	2.79	2.76
COOLING MODE					
Air 35 °C Water 12/7 °C	Cooling capacity	kW	10.90	12.90	13.80
	Power input	kW	3.72	4.62	5.19
	EER		2.93	2.80	2.66
Air 35 °C Water 23/18 °C	Cooling capacity	kW	12.20	14.00	15.50
	Power input	kW	2.53	3.11	3.63
	EER		4.83	4.50	4.27
PERFORMANCE					
Energy label	Water outlet to 35 °C	ηs/ class	169%/A++	168%/A++	169%/A++
	Water outlet to 55 °C	ηs/ class	126%/A++	128%/A++	128%/A++
SCOP (average climate)	Water outlet to 35 °C		4.29	4.27	4.30
	Water outlet to 55 °C		3.23	3.26	3.27
SEER (average climate)	Water outlet to 7 °C		4.86	4.73	4.54
	Water outlet to 18 °C		7.5	7.16	6.78
Sound level		dB(A)	68	71	71
OPERATING LIMITS					
Outdoor air temperature	Cooling	°C		-5/46	
	Heating	°C		-25/35	
	DHW	°C		-25/43	
Water temperature	Cooling	°C		5/25	
	Heating	°C		25/60	
	DHW	°C		40/60	
POWER SUPPLY					
Electric backup heater	Built-in standard	kW	4.5	4.5	4.5
	Number of stages		1	1	1
Phase/Voltage/Frequency			3P/380-415V/50Hz		
Fuse rating	A		15	15	15
INSTALLATION & OTHERS					
Airflow		m³/h	6150		
Refrigerant	Type/GWP		R32/675		
	Charge	kg	2.8		
Outline dimensions (WxHxD)		mm	1404x1414x405		
Package dimensions (WxHxD)		mm	1475x1580x440		
Net weight/Gross weight		kg	177/198		
Water connection		inches	1-1/4" Male		



Heat pumps
Cooling and heating



WELLEA SPLIT

SPLIT HEAT PUMP



PEP
eco
PASS
PORT®



WELLEA SPLIT
IDU R410A



WELLEA SPLIT
IDU R32



WELLEA
ODU 4-8kW



WELLEA
ODU 10-16kW

+ PRODUCTS

- Available with R32 from 4 to 10kW and R410A from 12 to 16kW
- Refrigerant connections; no need for antifreeze protection
- Compact indoor and outdoor unit
- Compatible with all types of emitter

FEATURES



PROGRAMMABLE
TIMER



WEEK TIMER



REMOTE CONTROL
LOCK



UNIT ON OUTPUT



HEATING MODE
OPERATIONAL DOWN
TO -25°C OUTDOORS



HIGH TEMPERATURE
UP TO 60°C



FLOOR HEATING



HIGH-TEMPERATURE
RADIATOR



LOW-TEMPERATURE
RADIATOR



BOILER
REPLACEMENT



BOILER BACK-UP



WATER PROGRAMS



CEE

THE «SUSTAINABLE DEVELOPMENT»

→ High energy class A+++

THE «USER»

- Compatible with all emitters
- Great flexibility of use
- Perfect for replacing an oil or gas burner

THE «INSTALLER»

→ Customisable water program, allowing the entire heating circuit to be managed using the many available connections

THE «TECHNOLOGY»

- Operates at outdoor temperatures down to -25°C
- HP Keymark certified

ECONOMIC: HOT SANITARY WATER THANKS TO SOLAR ENERGY



WELLEA SPLIT TECHNICAL DATA

Outdoor unit			AW-YHPS 04-H91	AW-YHPS 06-H91	AW-YHPS 08-H91	AW-YHPS 10-H91	PAC-BT- UE-12 kW- H11	PAC-BT- UE-12 kW- H13	PAC-BT- UE-14 kW- H11	PAC-BT- UE-14 kW- H13	PAC-BT- UE-16 kW- H11	PAC-BT- UE-16 kW- H13
Part number			7HP061060	7HP061061	7HP061062	7HP061063	7HP061030	7HP061029	7HP061032	7HP061031	7HP061034	7HP061033
Phase			Single phase	Single phase	Single phase	Single phase	Single phase	Three phase	Single phase	Three phase	Single phase	Three phase
HEATING MODE												
Air +7°C Water 30/35°C	Heating capacity	kW	4.49	6.32	8.37	10.26	12.35	12.16	14.48	14.16	15.63	15.77
	Power input	kW	0.90	1.32	1.72	2.19	2.71	2.54	3.49	2.91	3.75	3.28
	COP		5.01	4.79	4.87	4.68	4.56	4.79	4.15	4.87	4.17	4.81
Air -7°C Water 30/35°C	Heating capacity	kW	4.59	5.55	6.46	8.02	9.87	9.76	10.92	11.32	12.08	12.06
	Power input	kW	1.50	1.91	2.13	2.69	3.47	3.32	4.01	3.90	4.47	4.14
	COP		3.07	2.90	3.04	2.98	2.84	2.94	2.72	2.90	2.70	2.91
Air +7°C Water 40/45°C	Heating capacity	kW	4.14	6.09	8.02	10.30	12.26	12.22	15.05	14.64	15.48	16.44
	Power input	kW	1.12	1.66	2.10	2.81	3.40	3.35	4.40	3.86	4.81	4.42
	COP		3.70	3.66	3.82	3.67	3.61	3.65	3.42	3.79	3.22	3.72
Air +7°C Water 47/55°C	Heating capacity	kW	4.09	5.76	7.60	9.43	11.60		13.50		14.90	
	Power input	kW	1.44	1.93	2.44	3.14	4.08		4.26		4.67	
	COP		2.84	2.98	3.11	3.00	2.84		3.17		3.19	
COOLING MODE												
Air 35°C Water 12/7°C	Cooling capacity	kW	4.56	6.17	7.39	9.06	11.27	11.34	12.94	14.15	13.29	15.53
	Power input	kW	1.31	1.92	2.37	3.01	4.33	4.25	5.33	5.14	5.63	5.71
	EER		3.49	3.21	3.12	3.01	2.60	2.67	2.43	2.75	2.36	2.72
Air 35°C Water 23/18°C	Cooling capacity	kW	4.63	6.79	8.53	9.73	11.74	11.39	13.64	14.34	14.38	15.40
	Power input	kW	0.89	1.32	1.71	2.00	2.73	2.59	3.43	3.10	3.71	3.56
	EER		5.21	5.14	5.00	4.87	4.30	4.40	3.98	4.63	3.88	4.33
PERFORMANCES												
Energy label (average climate)	Water outlet to 35°C	class	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
	Water outlet to 55°C	class	A++	A++	A++	A++	A++	A++	A+	A++	A+	A++
SCOP (average climate)	Water outlet to 35°C		4.76	4.89	4.96	5.04	4.46	4.48	4.01	4.23	4.02	4.30
	Water outlet to 55°C		3.37	3.37	3.40	3.56	3.30	3.31	3.11	3.36	3.06	3.39
Sound power level		dB(A)	61	62	63	65	69		70		70	
OPERATING LIMITS												
Outdoor temperature	Cooling	°C	-5/53				-5/46					
	Heating	°C	-25/36				-20/35					
	DHW	°C	-25/43				-20/43					
POWER SUPPLY												
Phase/Voltage/Frequency			1P/220-240V/50Hz				1P/220- 240V/50Hz	3P/380- 415V/50Hz	1P/220- 240V/50Hz	3P/380- 415V/50Hz	1P/220- 240V/50Hz	3P/380- 415V/50Hz
Max. current	A		11.30		16.70		31.1	9.00	32.3	11.00	35.1	11.5
INSTALLATION & OTHERS												
Airflow	m³/h		2860		4750		6250					
Refrigerant	Type/GWP		R32/675						R410A/2088			
	Charge	kg	1.55		1.65		3.9	4.2	3.9	4.2	3.9	4.2
	Additional charge	g/m	20		38		54					
Outline dimensions (WxHxD)	mm	960x860x380			1075x965x395			900x1327x400				
Package dimensions (WxHxD)	mm	1040x1000x430			1120x1100x435			1030x1457x435				
Net weight/Gross weight	kg	57/68		67/79		99/112	115/126	99/112	115/126	99/112	115/126	
Pipe diameter (liquid - gas)	inches	1/4"-5/8"		3/8"-5/8"		3/8"-5/8"						
INDOOR UNIT DATA												
Indoor unit			AW-WHPS0406-N91			AW-WHPS0810-N91			PAC-BT-UI-10-16 kW-H11			
Part number			7HP010010			7HP010011			7HP010008			
Phase			Single phase			Single phase			Single phase			
POWER SUPPLY												
Phase/Voltage/Frequency			1P/220-240V/50Hz			1P/220-240V/50Hz			1P/220-240V/50Hz			
Max. current	A		1.30		1.30		1.10					
INSTALLATION & OTHERS												
Outline dimensions (WxHxD)	mm	400x850x427					462x700x316					
Net weight/Gross weight	kg	47/53					50/51					



Heat pumps
Three services



WELLEA WT SPLIT HEAT PUMP WITH DHW TANK INCLUDED



WELLEA WT
with DHW tank included

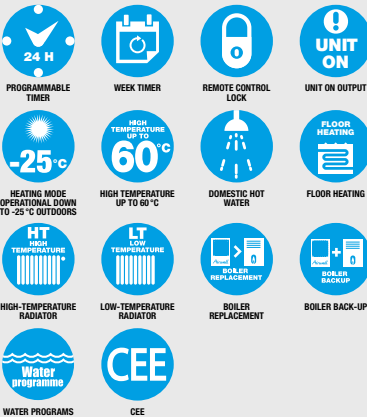
WELLEA
ODU 4-8kW

WELLEA
ODU 10-16kW

+ PRODUCTS

- Available with R32 from 4 to 10kW and R410A from 12 to 16kW
- Refrigerant connections; no need for antifreeze protection
- Compact outdoor unit
- Compatible with all types of emitter
- Hot water tank included (190L or 280L)

FEATURES



THE + «SUSTAINABLE DEVELOPMENT»

→ High energy class A+++

THE + «USER»

- Compatible with all emitters
- Great flexibility of use
- Perfect for replacing an oil or gas burner
- Integrated hot water tank

THE + «INSTALLER»

→ Customisable water program, allowing the entire heating circuit to be managed using the many available connections

THE + «TECHNOLOGY»

- Operates at outdoor temperatures down to -25°C
- HP Keymark certified



WELLEA WT TECHNICAL DATA

Outdoor unit			AW-YHPS 04-H91	AW-YHPS 06-H91	AW-YHPS 08-H91	AW-YHPS 10-H91	PAC-BT- UE-12 kW- H11	PAC-BT- UE-12 kW- H13	PAC-BT- UE-14 kW- H11	PAC-BT- UE-14 kW- H13	PAC-BT- UE-16 kW- H11	PAC-BT- UE-16 kW- H13
Part number			7HP061060	7HP061061	7HP061062	7HP061063	7HP061030	7HP061029	7HP061032	7HP061031	7HP061034	7HP061033
Phase			Single phase	Single phase	Single phase	Single phase	Single phase	Three phase	Single phase	Three phase	Single phase	Three phase
HEATING MODE												
Air +7°C Water 30/35°C	Heating capacity	kW	4.49	6.32	8.37	10.26	12.35	12.16	14.48	14.16	15.63	15.77
	Power input	kW	0.90	1.32	1.72	2.19	2.71	2.54	3.49	2.91	3.75	3.28
	COP		5.01	4.79	4.87	4.68	4.56	4.79	4.15	4.87	4.17	4.81
Air -7°C Water 30/35°C	Heating capacity	kW	4.59	5.55	6.46	8.02	9.87	9.76	10.92	11.32	12.08	12.06
	Power input	kW	1.50	1.91	2.13	2.69	3.47	3.32	4.01	3.90	4.47	4.14
	COP		3.07	2.90	3.04	2.98	2.84	2.94	2.72	2.90	2.70	2.91
Air +7°C Water 40/45°C	Heating capacity	kW	4.14	6.09	8.02	10.30	12.26	12.22	15.05	14.64	15.48	16.44
	Power input	kW	1.12	1.66	2.10	2.81	3.40	3.35	4.40	3.86	4.81	4.42
	COP		3.70	3.66	3.82	3.67	3.61	3.65	3.42	3.79	3.22	3.72
Air +7°C Water 47/55°C	Heating capacity	kW	4.09	5.76	7.60	9.43	11.60		13.50		14.90	
	Power input	kW	1.44	1.93	2.44	3.14	4.08		4.26		4.67	
	COP		2.84	2.98	3.11	3.00	2.84		3.17		3.19	
COOLING MODE												
Air 35°C Water 12/7°C	Cooling capacity	kW	4.56	6.17	7.39	9.06	11.27	11.34	12.94	14.15	13.29	15.53
	Power input	kW	1.31	1.92	2.37	3.01	4.33	4.25	5.33	5.14	5.63	5.71
	EER		3.49	3.21	3.12	3.01	2.60	2.67	2.43	2.75	2.36	2.72
Air 35°C Water 23/18°C	Cooling capacity	kW	4.63	6.79	8.53	9.73	11.74	11.39	13.64	14.34	14.38	15.40
	Power input	kW	0.89	1.32	1.71	2.00	2.73	2.59	3.43	3.10	3.71	3.56
	EER		5.21	5.14	5.00	4.87	4.30	4.40	3.98	4.63	3.88	4.33
PERFORMANCES												
Energy label (average climate)	Water outlet to 35°C	class	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
	Water outlet to 55°C	class	A++	A++	A++	A++	A++	A++	A+	A++	A+	A++
SCOP (average climate)	Water outlet to 35°C		4.76	4.89	4.96	5.04	4.46	4.48	4.01	4.23	4.02	4.30
	Water outlet to 55°C		3.37	3.37	3.40	3.56	3.30	3.31	3.11	3.36	3.06	3.39
Sound power level		dB(A)	61	62	63	65	69		70		70	
OPERATING LIMITS												
Outdoor temperature	Cooling	°C	-5/53				-5/46					
	Heating	°C	-25/36				-20/35					
	DHW	°C	-25/43				-20/43					
POWER SUPPLY												
Phase/Voltage/Frequency			1P/220-240V/50Hz				1P/220- 240V/50Hz	3P/380- 415V/50Hz	1P/220- 240V/50Hz	3P/380- 415V/50Hz	1P/220- 240V/50Hz	3P/380- 415V/50Hz
Max. current	A		11.30	16.70		31.10	9.00	32.30	11.00	35.10	11.50	
INSTALLATION & OTHERS												
Airflow	m³/h		2860	4750		6250						
Refrigerant	Type/GWP		R32/675				R410A/2088					
	Charge	kg	1,55	1,65		3,9	4,2	3,9	4,2	3,9	4,2	
	Additional charge	g/m	20	38		54						
Outline dimensions (WxHxD)	mm		960x860x380	1075x965x395		900x1327x400						
Package dimensions (WxHxD)	mm		1040x1000x430	1120x1100x435		1030x1457x435						
Net weight/Gross weight	kg		57/68	67/79		99/112	115/126	99/112	115/126	99/112	115/126	
Pipe diameter (liquid - gas)	inches		1/4 - 5/8	3/8 - 5/8		3/8 - 5/8						
INDOOR UNIT DATA												
Indoor unit			AW-WHPST0410-N91				PAC-BTE-UI-10-16 kW-H11					
Part number			7HP010012				7HP010006					
Phase			Single phase				Single phase					
TANK												
Capacity	l		190				280					
Electric heater	kW		2.00				2.00					
POWER SUPPLY												
Phase/Voltage/Frequency			1P/220-240V/50Hz				1P/220-240V/50Hz					
Max. current	A		9.20				10.10					
INSTALLATION & OTHERS												
Outline dimensions (WxHxD)	mm		600x1774x610				600x2040x800					
Net weight/Gross weight	kg		167/185				190/200					



Heat pumps
Three services

HOME+ INDOOR MONOBLOC HEAT PUMP



**Maintain power
Even with cold weather !**

+ PRODUCTS

- No outdoor unit
- No handling of refrigerant
- Hot water tank included (200L)
- Aluminium finish

FEATURES



WEEK TIMER



HEATING MODE OPERATIONAL DOWN TO -21°C OUTDOORS



HIGH TEMPERATURE UP TO 60°C

HIGH TEMPERATURE UP TO 60°C



FLOOR HEATING



HIGH TEMPERATURE RADIATOR



LOW TEMPERATURE RADIATOR



BOILER REPLACEMENT



BOILER BACK-UP



DOMESTIC HOT WATER



ULTRA QUIET



WATER PROGRAMS

THE + « SUSTAINABLE DEVELOPMENT »

→ High energy class A++

THE + « USER »

- No outdoor unit!
- Compatible with all emitters
- Great flexibility of use
- Perfect for replacing an oil or gas burner
- Integrated hot water tank

THE + « INSTALLER »

- Output maintained even in cold weather
- Indoor monobloc which is easy to maintain

THE + « TECHNOLOGY »



- Operates at outdoor temperatures down to -20 °C
- No outdoor unit



HOME+ TECHNICAL DATA




Model			AW-HOME+ -4 kW-H11	AW-HOME+ -6 kW-H11	AW-HOME+ -9 kW-H11
Part number			7HP061045	7HP061046	7HP061047
Phase			Single phase	Single phase	Single phase
HEATING MODE					
Air +7°C Water 30/35°C	Heating capacity	kW	4.20	6.15	9.54
	Power input	kW	1.00	1.41	2.16
	COP		4.20	4.35	4.41
Air +7°C Water 40/45°C	Heating capacity	kW	4.06	5.94	9.28
	Power input	kW	1.29	1.86	2.90
	COP		3.15	3.20	3.19
Air +7°C Water 47/55°C	Heating capacity	kW	3.95	5.77	8.65
	Power input	kW	1.60	2.35	3.50
	COP		2.47	2.46	2.47
Air -7°C Water 30/35°C	Heating capacity	kW	4.08	5.95	9.35
	Power input	kW	1.30	1.89	2.70
	COP		3.14	3.15	3.46
COOLING MODE					
Air +7°C Water indoor/outdoor 12/7°C	Cooling capacity	kW	3.10	4.60	6.90
	Power input	kW	1.01	1.50	2.25
	EER		3.06	3.07	3.06
Air +7°C Water indoor/outdoor 23/18°C	Cooling capacity	kW	5.40	8.10	12.15
	Power input	kW	1.03	1.45	2.17
	EER		5.26	5.60	5.59
PERFORMANCE					
Energy label	Water outlet to 35°C	ηs/class	144/A++	146/A++	149/A++
	Water outlet to 55°C	ηs/class	112/A+	113/A+	115/A+
SCOP (average climate)	Water outlet to 35°C		3.76	3.80	3.85
	Water outlet to 55°C		2.20	2.21	2.23
SEER (average climate)	Water outlet to 7°C		3.55	3.60	3.55
	Water outlet to 18°C		5.80	5.90	5.95
Operating limits	Cooling	°C	20/35	20/35	20/35
	Heating	°C	-21/20	-21/20	-21/20
	DHW	°C	-21/35	-21/35	-21/35
Temperature range of water	Cooling	°C	7/25	7/25	7/25
	Heating	°C	20/60	20/60	20/60
	DHW	°C	30/55 (-21)	30/55 (-21)	30/55 (-21)
Sound power (Indoor/Outdoor)		dB(A)	59/67.5	57.1/65.8	57.5/66.0
POWER SUPPLY					
Electric backup heater (as standard)		kW	3.00	3.00	3.00
Phase/Voltage/Frequency			1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz
Fuse rating (included)		A	16	16	16
INSTALLATION & OTHERS					
Airflow		m ³ /h	1500	2400	3500
Refrigerant	Type/GWP		R410A/2088		
Dimensions	Heat pump (WxDxH)	mm	603x645x2300	760x695x2300	904x690x1580
	DHW tank (Ø x H)	mm	integrated	integrated	620x1100
Packaging dimensions (WxDxH)	Heat pump	mm	1000x850x1800	1000x850x1800	1000x850x1720
	Grid + plenum	mm	integrated	integrated	1200x1000x650
	DHW tank	mm	1200x800x1250	1200x800x1250	1200x800x1250
Net weight/Packing weight	Heat pump + grid + plenum	kg	180/195	220/235	280/295 (heat pump) 45/60 (grid + plenum)
	Tank	kg	60/75	70/85	70/85

ALL HEAT PUMPS ACCESSORIES




PART NUMBER	NAME	FUNCTION
(included)	Y-shape filter ⓘ	Protect the heat pump from sludging and preserve optimum thermal exchange.
7ACFH0663	Buffer tank 140 L	It protects the heat pump against short cycles that can reduce the useful life of the compressors and improves operation during defrosting phases.
 7ACFH0666	Settling filter (pot) ⓘ	Protect the heat pump from sludging and preserve optimum thermal exchange.
 7ACTL0510	Floor support rubber recycled (pair) ⓘ Length: 1 000 mm	Necessary for a professional installation.

ⓘ Mandatory accessory.

WELLEA MONOBLOC ACCESSORIES

PART NUMBER	NAME	FUNCTION
 (included)	User interface kit (digital remote controller)	<ul style="list-style-type: none"> - ON/OFF unit, outside heat source. - Operation mode setting: cooling/heating/auto. - DHW setting: fast DHW / holiday / disinfect. / DHW pump setting. - Temperature setting: water outlet temperature, room temperature. - Time setting: 12h/24. - Timer ON/OFF setting, day/weekly. - Display space heating/cooling set temperature, water tank temperature. - Display components status. - Query, malfunction code, parameter. - Test mode setting.
(included)	Thermistor for domestic hot water tank	DHW temperature control.
 7ACFH0662	300 L domestic hot water tank kit	Optimised with the operation of the heat pump: <ul style="list-style-type: none"> - Programmable anti-legionella function. - Management of the three-way valve / circulator pump couple. - 3.1 m² exchange surface.
 7ACFH0822	On-line electric heater - 3kW	It provides extra heating when the heating demand is greater than the capacity of the heat pump. It is matching only with sizes 5, 7 and 9.




WELLEA SPLIT & WELLEA WT ACCESSORIES


PART NUMBER	NAME	FUNCTION
 7ACFH0825	Electrical complement kit 2/4/6kW (recommended)	Allows to ensure additional heating via electrical resistance.
 7ACEL1757	Boiler backup kit	Allows to connect a boiler (fuel, gas, wood...).
7ACFH0830	Auxiliary condensate collection tray	Complementary condensate tray, to increase the maximum condensate recovery volume.
 7ACEL1732	RCW15 Thermostat (power supply mandatory)	Temperature and humidity thermostat / Remote keyboard / weekly timer.
7ACEL1733	Power supply for RCW15	Power supply kit for RCW15.

WELLEA SPLIT ACCESSORIES

PART NUMBER	NAME	FUNCTION
7ACFH0823	Kit bi-zone 1 temperature	Allows to manage two different zones with the same temperature.
7ACFH0824	Kit bi-zone 2 temperatures	Allows to manage two different zones with two temperatures.
7ACFH0832	300L DHW tank with coil for solar applications	DHW tank with coil for solar applications (300L).
7ACFH0834	300L DHW tank	Standard DHW tank (300L).
7ACFH0835	500L DHW tank	Standard DHW tank (500L).
7ACEL17683	DHW temperature sensor	For existing DHW tank.

WELLEA WT ACCESSORIES


PART NUMBER	NAME	FUNCTION
7ACFH0826	Kit bi-zone 1 temperature	Allows to manage two different zones with the same temperature.
7ACFH0827	Kit bi-zone 2 temperatures	Allows to manage two different zones with two temperatures.
7ACEL1750	Solar connection option for DHW tank  (for solar version)	Solar connection kit allowing the connection with solar thermal panels.
7ACFH0831	8 liters expansion vessel kit  (for DHW Version)	Safety element for compensating variations of water volume.
 7ACEL1749	Auxiliary DHW tank 280L	Allows to increase the tank capacity of DHW.
7ACFH0833	500L DHW tank with coil for solar applications	DHW tank with coil for solar applications (500L).

 Mandatory accessory.

HOME+ ACCESSORY

PART NUMBER	NAME	FONCTION
7ACEL17682	Thermostat filaire bus	Programmable thermostat Carel / reversible.

Domestique hot water production range

MODEL NAME	Fluid type	Page	190 L	300 L
TDF THERMODYNAMIC WATER HEATERS	 R134a	126	✓	✓



Heat pumps
Heating only

TDF

THERMODYNAMIC WATER HEATERS



+ PRODUCTS

- Excellent COP
- Small footprint
- Anti-legionella function
- No handling of refrigerant
- Limescale protection

FEATURES



THE «SUSTAINABLE DEVELOPMENT»

- High energy class A+
- High performance product with COP > 5
- Product 3 to 4 times more economical than an electric tank

THE «USER»

- Perfect to replace an electric tank
- “Peak/Off peak” operation

THE «INSTALLER»

- Easy to install thanks to its compact footprint
- Narrow gauge to fit through all doors
- Integrated limescale protection (anode)

THE «TECHNOLOGY»

- No risk of contamination following a refrigerant leak, thanks to the external exchanger

ACCESSORIES/OPTIONS

Accessories	Part number
Adaptation kit, 90° bend and 1m duct (TDF 190)	7ACEL1735
Adaptation kit, 90° bend and 1m duct (TDF 300)	7ACEL1737
Extension kit 1m duct (TDF 190)	7ACEL1736
Extension kit 1m duct (TDF 300)	7ACEL1738

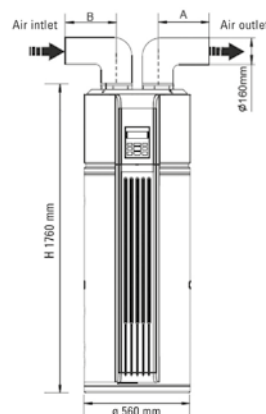
TDF TECHNICAL DATA

Model	AW-TDF190-H31		AW-TDF300-H31	
Part number	7HP030012		7HP030013	
Phase	Single phase		Single phase	
POWER AND PERFORMANCE				
Toutlet 5/12 °C (DB/WB), Tw,in 15 °C Tw,in 45 °C	Heating capacity	kW	1.62	2.30
	Total power input	kW	0.42	0.53
	COP		3.86	4.34
Toutlet 43/26 °C (DB/WB), Tw,in water 10 °C Tw,out 70 °C--> 190 Tw,out 65 °C--> 300	Heating capacity		2.31	3.25
	Total power input		0.546	0.627
	COP		4.23	5.18
Electrical resistance	kW	3.00	3.00	
Phase/Voltage/Frequency		1P/220-240V/50Hz		
Heating time DHW ⁽¹⁾	h/min	3/53		4/22
Maximum temperature DHW	°C	70		65
Acoustic pressure level (1 m)	dB(A)	44		44
Sound level (volume) (LWA)	dB(A)	58		59
ERP				
Thermodynamic water heaters (average climate) ⁽²⁾	Energy class of generator		A+	A+
	η _{wh}	%	115	123
	Annual consumption (AEC)	kWh	890	1356
	Daily consumption	kWh	4.22	6.34
Thermodynamic water heaters (warmer climate) ⁽³⁾	η _{wh}	%	125	143
	Annual consumption (AEC)	kWh	819	1173
	Daily consumption	kWh	3.86	5.49
	COP		2.76	3.01
Thermodynamic water heaters (cold climate) ⁽⁴⁾	η _{wh}	%	99	91
	Annual consumption (AEC)	kWh	1034	1845
	Daily consumption	kWh	4.90	8.56
DHW TANK				
Hot water tank volume	l	176		284
Maximal service pressure	bar	10		10
Refrigerant type / GWP				
Refrigerant charge	kg	1.10	R134a /1430	
Fan type		Centrifuge		Centrifuge
Airflow	m ³ /h	270		414
Dimensions (H x Ø)	mm	1830 x 610		1930 x 700
Operating weight	kg	287		412
PIPE LINE				
Inlet water	inches		3/4"	
Outlet water	inches		3/4"	

- Inlet water temperature 15°C, storage setpoint 45°C, air source side 15°C DB / 12°C WB.
- The product complies with the European ErP Directive, which includes Delegated Regulations (EU) No. 812/2013 and 814/2013, Medium Climate, Thermodynamic Water Heaters.
- The product complies with the European ErP Directive, which includes Delegated Regulations (EU) No. 812/2013 and 814/2013, Hot Climate, Thermodynamic Water Heaters.
- The product complies with the European ErP Directive, which includes Delegated Regulations (EU) No. 812/2013 and 814/2013, Cold Climate, Thermodynamic Water Heaters.



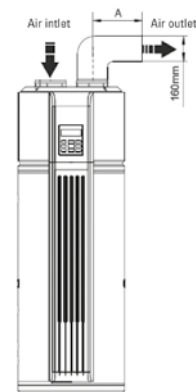
1 Inlet and outlet ducted



2 Inlet ducted



3 Outlet ducted



Location

Heated low volume room (< 20 m³)

- Air inlet: outdoor air or extracted air (exhaust ventilation)
- Air outlet: to adjacent room or outdoor

Air inlet and air outlet

Low volume room (< 20 m³) which can be refreshed

- Air inlet: outdoor air or extracted air (exhaust ventilation)
- Air outlet: in the room (ambient air)

Heated high volume room (> 20 m³) (kitchen, bathroom...)

- Air inlet: Ambient air
- Air outlet: To adjacent room or outdoor

Airflow range

MODEL NAME		Fluid type	Page	System	Function
<p>AIRFLOW 2020 THERMODYNAMIC CMV DUAL FLOW</p>		R32	130	Monobloc	Airflow



+ PRODUCTS

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

FEATURES



THE «SUSTAINABLE DEVELOPMENT»

→ High performance product with COP > 7

THE «USER»

→ Renew the air of the housing by heating or cooling the supply air through a thermodynamic system

→ Operates using 100% fresh filtered air

THE «INSTALLER»

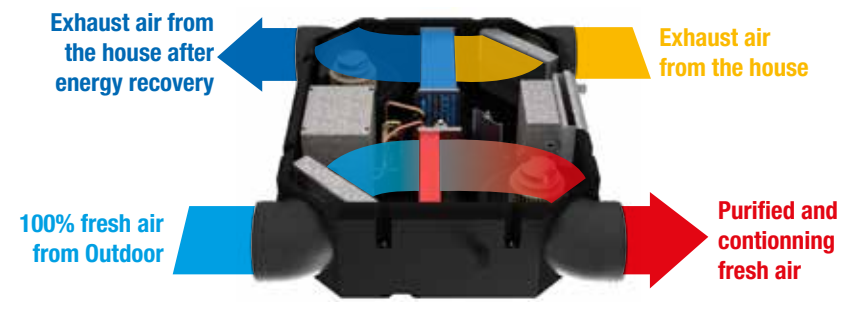
→ Simple to install, thanks to its monobloc system

→ This unit adapts to any type of home

THE «TECHNOLOGY»

→ Monobloc system

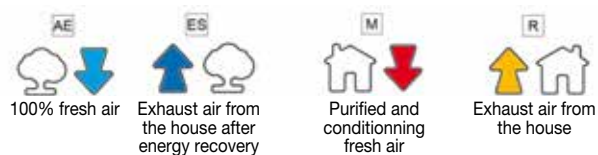
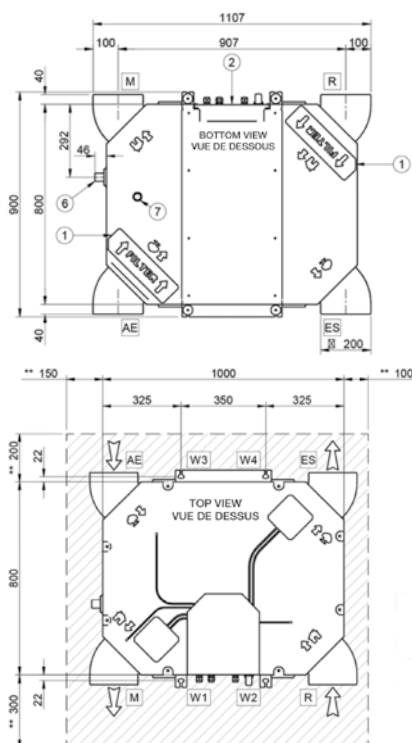
→ Inverter technology



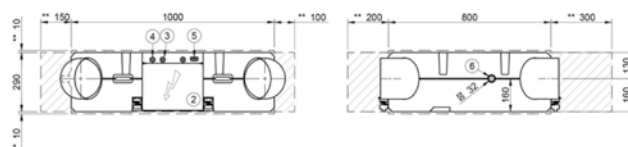
AIRFLOW 2020 TECHNICAL DATA

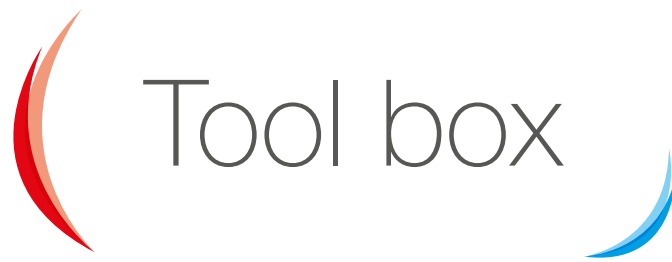
Model			AW-AIRFLOW250-N91				
Part number			7HP080005				
Phase			Single phase				
Airflow	m ³ /h		125	150	210	270	350
HEATING MODE							
Outdoor Air +7 °C Supply Air 20 °C	Heating capacity	kW	1.42	1.55	1.86	2.05	2.49
	Power input	kW	0.46	0.42	0.45	0.42	0.54
	COP		3.09	3.69	4.13	4.93	4.61
Outdoor Air -5 °C Supply Air 20 °C	Heating capacity	kW	1.97	2.10	2.21	2.37	2.45
	Power input	kW	0.40	0.52	0.47	0.37	0.32
	COP		4.93	4.04	4.70	6.50	7.66
COOLING MODE							
Outdoor Air 35 °C Supply Air 27 °C	Cooling capacity	kW	1.57	1.64	1.73	1.92	2.07
	Power input	kW	0.36	0.52	0.53	0.55	0.81
	EER		4.34	3.15	3.26	3.50	2.56
Outdoor Air 30 °C Supply Air 27 °C	Cooling capacity	kW	0.92	1.38	1.47	1.72	2.07
	Power input	kW	0.36	0.52	0.48	0.54	0.81
	EER		2.56	2.65	3.06	3.21	2.77
PERFORMANCE							
Static Pressure	Nominal	Pa	50	50	50	50	50
	Max.	Pa	120	120	120	120	120
Sound power level		dB(A)	47	48	50	54	58
Sound pressure level ⁽¹⁾		dB(A)	34	35	37	41	45
OPERATING LIMITS							
Outdoor temperature	Cooling	°C	16/45				
	Heating	°C	-15/28				
POWER SUPPLY							
Phase/Voltage/Frequency			1P/230V/50Hz				
Max. current	A		5				
INSTALLATION & OTHERS							
Refrigerant	Type/GWP		R32/675				
	Charge	kg	0.3				
Outline dimensions (WxHxD)	mm		1107x290x900				
Package dimensions (WxHxD)	mm		1200x320x100				
Net weight/Gross weight	kg		44/73				

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



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





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:

$$90 \text{ W/m}^2 + 100 \text{ W/Occupant}$$

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 $\text{W/m}^3/\text{°C}$. This coefficient is related to the building isolation.

$$\text{Heat power (W)} = G \times V \times \Delta T$$

G = global loss coefficient ($\text{W/m}^3 \times \text{°C}$):

- 0,65 W/°C m^3 new construction
- 0,75 W/°C m^3 construction after 2000
- 0,9 W/°C m^3 constructions after 1980
- 1,2 W/°C m^3 constructions moderately insulated
- 1,8 W/°C m^3 constructions poorly insulated

V = building volume (m^3)

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

STEP 2: EXTERIOR UNITS SELECTION

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

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

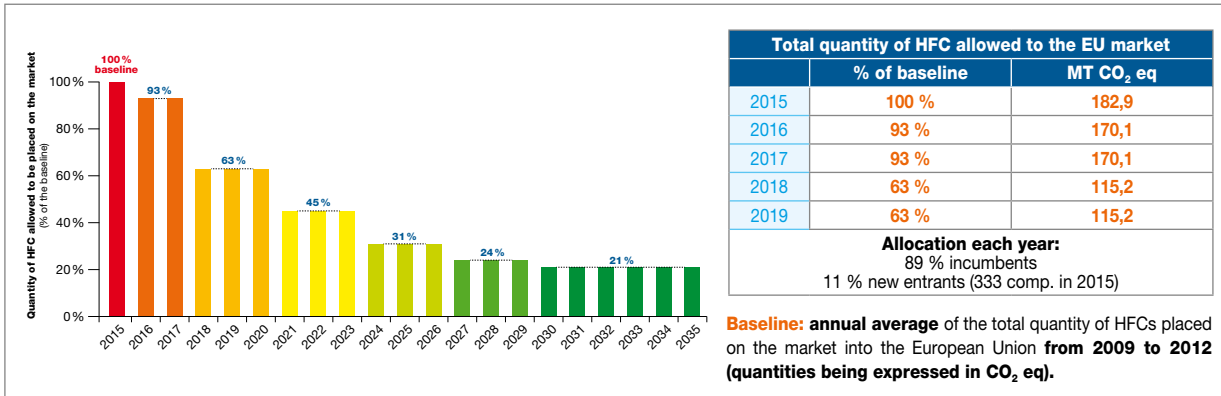
STEP 2: EXTERIOR UNIT SELECTION				
Zone	Room	Cooling needed (kW)	Heating needed (kW)	Maximum number of interior units desired
Zone 1	Room n°1			
	Room n°2			
	Room n°3			
	Room n°4			
	Room n°5			
	Room n°6			
	TOTAL			
Zone 2	Room n°1			
	Room n°2			
	Room n°3			
	Room n°4			
	Room n°5			
	Room n°6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



Since January 2015, the regulation FGAS (EU 517/2014) is implemented.

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

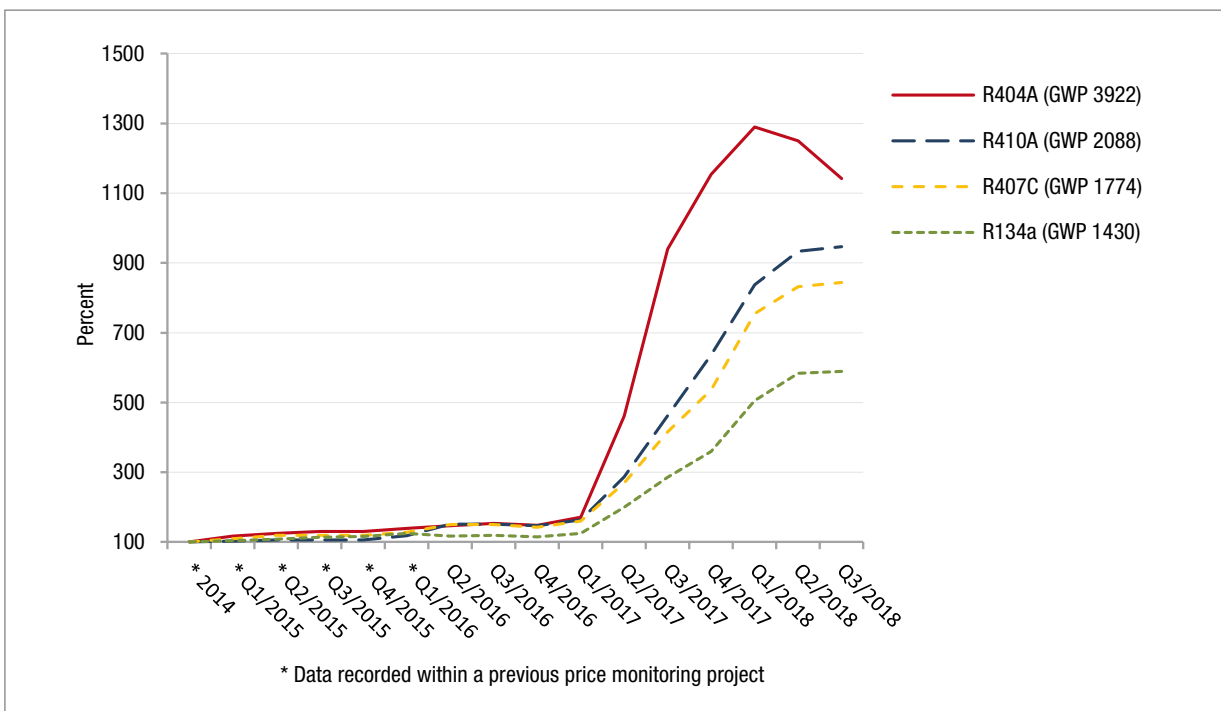
The F-Gas regulation's goal initiated by the european commission is to reduce greenhouse gas emissions in the EU by 80-95 % compared to levels in 1990.



GWP COMPARISON BETWEEN COMMON FLUID

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

EVOLUTION OF THE REFRIGERANT FLUID PRICES



CLASSIFICATION OF PRODUCTS

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

1. UNDERSTANDING PRODUCT REFERENCE

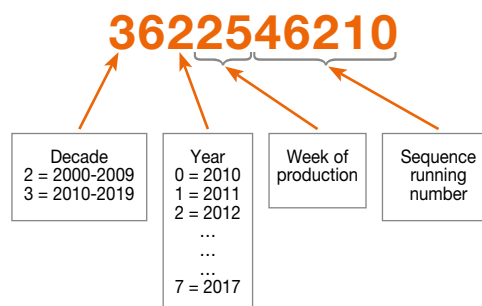
Brand	Type	Type	Technology	Capacity		Mode	Refrigerant fluid	Power supply								
				BTU	kW											
AW	AIRWELL	Y	Air outdoor unit	H	High wall	D	Inverter DC	007	7000	2,2	C	Cooling only	1	R410A	1	230-1-50
		None	Indoor unit	F	Floor ceiling	F	Fixed speed	009	9000	2,5	H	Heat pump reversible	2	R407C	2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

2. UNDERSTANDING PRODUCT PART NUMBER

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

3. UNDERSTANDING SERIAL NUMBER

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



TECHNOLOGY



FLEXY MATCH

Indoor units are compatible with monosplit or multisplit installation.



DC INVERTER

Compressor with high efficiency DC engine.



R410A FLUID

Refrigerant fluid R410A.



R32 FLUID

Refrigerant fluid R32.



R407C FLUID

Refrigerant fluid R407C.



R290 FLUID

Refrigerant fluid R290.



ELECTRONIC EXPANSION VALVE

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



4D AIRFLOW

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



MULTIFLOW 360°

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



GOLDEN FIN CONDENSER

Improve heat transfer efficiency and corrosion resistance.

AIR QUALITY/CLEAN



NANO PHOTOCATALYTIC FILTER

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



AIR FILTER

Eliminates fine particles and purifies the air.



AUTO CLEAN/DRY

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



FRESH AIR

Cools the room bringing fresh air from outside.

USER FUNCTIONS



I FEEL

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



NIGHT MODE

Temperature in the room adjustment based on sleeping habits.



QUIET MODE

Top design for the lowest sound level.



REFRIGERANT LEAKAGE DETECT

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



PROGRAMMABLE TIMER

Adjustable timer for power on and power off.



AUTO RESTART (MEMORY)

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



REMOTE CONTROL LOCK

Locks the remote functions to avoid unexpected actions.



WiFi

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



REDUNDANCY FUNCTION

Product compatible with Airwell redundancy solution.

INSTALLER FUNCTIONS



ERROR CODE VIA INDOOR UNIT

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



SELF DIAGNOSTIC

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



INTEGRATED WATER PUMP

Eliminates 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.



DRY CONTACT ON/OFF

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



BMS COMPATIBLE

Connection to the BMS system via PCB adapter.



SERVICE MONITOR TOOL

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



POWER CONSUMPTION CONTROL

Energy consumption control reducing the maximum power on the unit.



OUTDOOR UNIT NIGHT MODE DRY CONTACT

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



OUTDOOR UNIT STAND-BY

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



OUTDOOR UNIT ALARM OUTPUT

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



TECHNICIAN TEST MODE

Special mode optimizing the duration of intervention of the technician.



HEATING ONLY MODE

The unit can be configured in heating only mode.

HEATING RANGE



DC INVERTER

Compressor with high efficiency DC engine.



R410A FLUID

Refrigerant fluid R410A.



R32 FLUID

Refrigerant fluid R32.



R134A FLUID

Refrigerant fluid R134a.



PROGRAMMABLE TIMER

Adjustable timer for power ON and power OFF.



WEEK TIMER

Programmer defining a scenario that will be automatically executed by the device on a weekly basis.



REMOTE CONTROL LOCK

Locks the remote functions to avoid unexpected actions.



UNIT ON OUTPUT

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



HEATING MODE OPERATIONAL DOWN TO -20°C OUTDOORS

Heating mode available even at very low outdoor temperatures through special design of the unit.



HIGH TEMPERATURE UP TO 60°C

High temperature production up to 60°C.



DOMESTIC HOT WATER

Production of domestic hot water.



FLOOR HEATING

Connection available with a low-temperature emitter.



HIGH-TEMPERATURE RADIATOR

Connection available with a high-temperature emitter.



LOW-TEMPERATURE RADIATOR

Connection available with a low-temperature emitter.



BOILER REPLACEMENT

Replace an old, energy-consuming boiler with an efficient Airwell heat pump.



BOILER BACK-UP

Complement a boiler with a heat pump.



WATER PROGRAMS

The regulator maintains the power of the heat pump in accordance with a water logic based on outdoor temperature. Two water programs available and programmable.



CEE

The product is certified CEE.



RENEWABLE ENERGY

The product is compatible with renewable energy standard.



KEYMARK CERTIFICATION

The product is certified Keymark.



RT 2012

The product is RT 2012 compatible (in heating mode only).

Airwell

AIR CONDITIONING & HEATING

Our after-sales & quality service

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