

A close-up photograph of a woman's face, showing her eyes, nose, and hand near her cheek. She has light skin, blue eyes, and her hair is pulled back. Her hand is raised, with fingers slightly spread, near her cheek.

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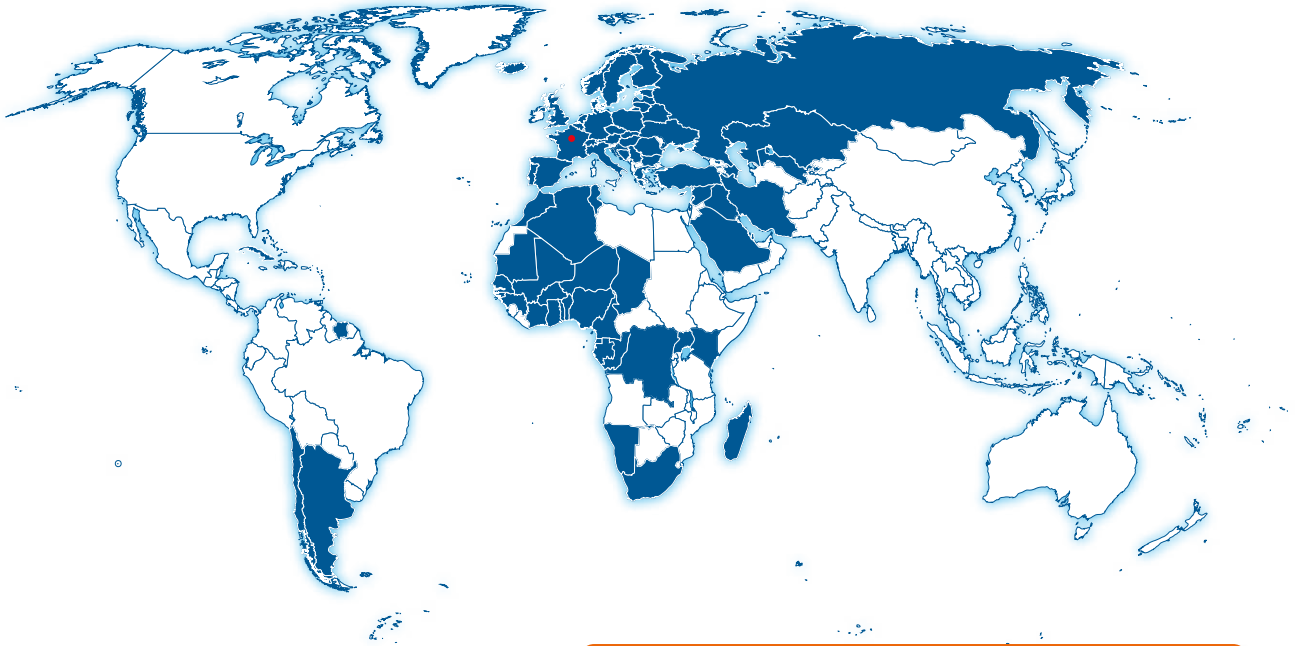


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## RESIDENTIAL

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

VRF

|     | INFRARED<br>REMOTE<br>CONTROL                                                                         | WIRED REMOTE CONTROL                                                                                  |                                                                                                       |                                                                                                       |                                                                                                         |                                                                                                         |
|-----|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
|     | RCV02                                                                                                 | RWV03                                                                                                 | RWV05                                                                                                 | RWV07                                                                                                 | RWV08                                                                                                   | RWV06                                                                                                   |
|     | <b>7ACELH022</b><br> | <b>7ACELH032</b><br> | <b>7ACELH021</b><br> | <b>7ACELH024</b><br> | <b>7ACELH025</b><br> | <b>7ACELH023</b><br> |
| 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                                                                           |
| FUNCTION      |                                                                               |  |  |  |  |  |  |
| CUSTOMER      | On/Off timer                                                                  | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |
|               | Weekly timer                                                                  |                                                                                   |                                                                                   |                                                                                   | ●                                                                                  | ●                                                                                   |                                                                                     |
|               | Silent mode/<br>low speed fan                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |
|               | “I Feel” function                                                             | ●                                                                                 | ●                                                                                 |                                                                                   | ●                                                                                  | ●                                                                                   |                                                                                     |
|               | Clean-up function                                                             | ●                                                                                 | ●                                                                                 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|               | Night mode<br>(economy mode)                                                  | ●                                                                                 | ●                                                                                 | ●                                                                                 |                                                                                    |                                                                                     |                                                                                     |
|               | Remote locking                                                                | ●                                                                                 |                                                                                   | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |
|               | Turbo mode                                                                    | ●                                                                                 | ●                                                                                 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|               | “Follow me” mode<br>(presence sensor)                                         |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|               | Low battery                                                                   | ●                                                                                 | ●                                                                                 |                                                                                   | ●                                                                                  | ●                                                                                   |                                                                                     |
| No frost mode | ●                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| INSTALLER     | Test mode                                                                     | ●                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|               | Group control                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                    | ●                                                                                   |                                                                                     |
|               | Temperature<br>compensation                                                   | ●                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     | ●                                                                                   |
|               | Heating only mode                                                             | ●                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|               | Priority mode definition<br>(multisplit)                                      | ●                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|               | Parameter display<br>(temperature, off<br>pressure opening,<br>compressor...) | ●                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|               | Defaults, failures<br>display                                                 |                                                                                   |                                                                                   |                                                                                   | ●                                                                                  | ●                                                                                   | ●                                                                                   |

VRF

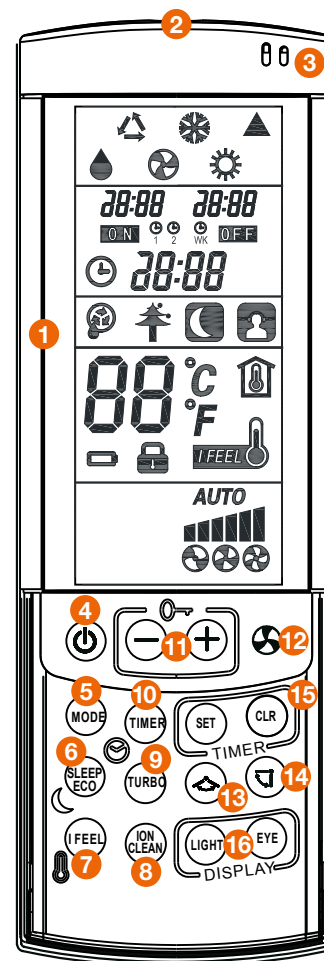
|           |                                       | INFRARED<br>REMOTE<br>CONTROL                                                     | WIRED REMOTE CONTROL                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|-----------|---------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|           |                                       | RCV02                                                                             | RWV03                                                                             | RWV05                                                                             | RWV07                                                                             | RWV08                                                                               | RWV06                                                                               | TD02                                                                                |
|           |                                       | 7ACELH022                                                                         | 7ACELH032                                                                         | 7ACELH021                                                                         | 7ACELH024                                                                         | 7ACELH025                                                                           | 7ACELH023                                                                           | 7ACELH014                                                                           |
| FUNCTION  |                                       |  |  |  |  |  |  |  |
| CUSTOMER  | On/Off timer                          | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |
|           | Weekly timer                          |                                                                                   |                                                                                   |                                                                                   | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |
|           | Silent mode/<br>low speed fan         |                                                                                   | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |
|           | “I Feel” function                     |                                                                                   |                                                                                   | ●                                                                                 | ●                                                                                 | ●                                                                                   |                                                                                     |                                                                                     |
|           | Clean-up function                     |                                                                                   | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                   |                                                                                     |                                                                                     |
|           | Night mode<br>(economy mode)          |                                                                                   |                                                                                   | ●                                                                                 | ●                                                                                 | ●                                                                                   |                                                                                     |                                                                                     |
|           | Remote locking                        |                                                                                   |                                                                                   | ●                                                                                 | ●                                                                                 |                                                                                     | ●                                                                                   |                                                                                     |
|           | Turbo mode                            |                                                                                   |                                                                                   |                                                                                   | ●                                                                                 |                                                                                     |                                                                                     |                                                                                     |
|           | “Follow me” mode<br>(presence sensor) |                                                                                   |                                                                                   |                                                                                   | ●                                                                                 |                                                                                     |                                                                                     |                                                                                     |
| INSTALLER | Low battery                           | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |
|           | Supervision                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | ●                                                                                   |
|           | Group control                         |                                                                                   | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |
|           | Centralized control                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ●                                                                                   | ●                                                                                   |                                                                                     |
|           | Heating only mode                     |                                                                                   |                                                                                   | ●                                                                                 | ●                                                                                 | ●                                                                                   | ●                                                                                   |                                                                                     |
|           | Defaults, failures<br>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.<br>The low-battery indicator will disappear after the batteries have been replaced. |
|                                      |  | "I FEEL" mode                                                                                                                                                                                                                                                                                                                 |
| 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.

|  |                                                                                                                                                                                                          |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Automatic.</b> 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. |
|  | <b>Heating.</b> The air conditioner heats the ambient air.                                                                                                                                               |
|  | <b>Cooling.</b> The air conditioner cools the room.                                                                                                                                                      |
|  | <b>Ventilation only.</b> The air conditioner circulates the air.                                                                                                                                         |
|  | <b>Dehumidify (dry mode).</b> The air conditioner reduces the humidity of the air in the room.                                                                                                           |
|  | <b>Cool / Dry / Heat</b>                                                                                                                                                                                 |

## 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.

|                                                                                     |                                          |                                                                                     |            |
|-------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|------------|
|  | 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

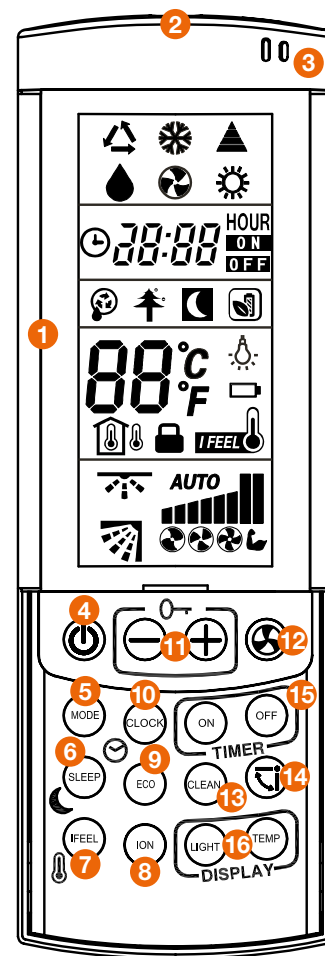
- **LIGHT button.** Press this button to turn the indoor unit display ON/OFF.  
Turns beep ON/OFF.
- **EYE button (optional).** Detects human presence in the room and activates start or standby mode.



## 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                                                                                                                                                                                                 |
|                                      |  | Displayed when the temperature reached is the room setpoint                                                                                                                                                                               |
| 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                                                                                                                                                                                                                            |
|                                      |  | 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.

|  |                                                                                                                                                                                                          |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Automatic.</b> 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. |
|  | <b>Heating.</b> The air conditioner heats the ambient air.                                                                                                                                               |
|  | <b>Cooling.</b> The air conditioner cools the room.                                                                                                                                                      |
|  | <b>Ventilation only.</b> The air conditioner circulates the air.                                                                                                                                         |
|  | <b>Dehumidify (dry mode).</b> The air conditioner reduces the humidity of the air in the room.                                                                                                           |
|  | <b>Cool / Dry / Heat</b>                                                                                                                                                                                 |

## 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.

|                                                                                     |                                          |                                                                                     |            |
|-------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|------------|
|  | 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

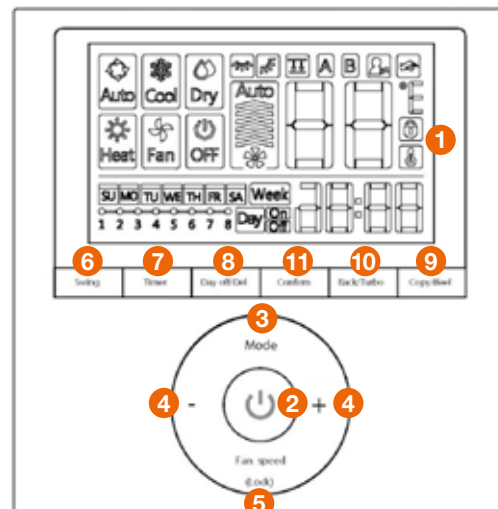
- **LIGHT button.** Displays the set temperature, the room temperature or the outside temperature.
- **TEMP button.** Enables or disables the remote control display.



## 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             |

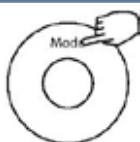


## 2 ON/ OFF BUTTON



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.)

|  |                                                                                                                                                                                                          |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Automatic.</b> 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. |
|  | <b>Cooling.</b> The air conditioner cools the room.                                                                                                                                                      |
|  | <b>Dehumidify (dry mode).</b> The air conditioner reduces the humidity of the air in the room.                                                                                                           |
|  | <b>Heating.</b> The air conditioner heats the ambient air.                                                                                                                                               |
|  | <b>Ventilation only.</b> The air conditioner circulates the air.                                                                                                                                         |
|  | The air conditioner is off.                                                                                                                                                                              |

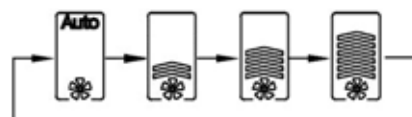
## 4 TEMPERATURE SETTING BUTTONS

- **(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.

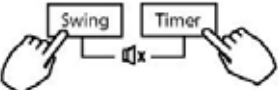
## 6 VERTICAL/HORIZONTAL SWING BUTTON

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

## 7 TIMER BUTTON (PROGRAMMING)

|                                                                                   |                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>WEEKLY programming</b><br>Use this programming function to set the operating hours for each day of the week.                                                                                      |
|  | <b>Programming ON</b>                                                                                                                                                                                |
|  | <b>Programming OFF</b>                                                                                                                                                                               |
|  | <b>Programming ON/OFF</b><br>Use this programming function to start and stop the air conditioner.<br>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

|                                                                                     |                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>This button has 2 functions:</b><br>→ The DAY OFF function: press this button to set the day on which the air conditioner will not operate due to absence.<br>→ 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.<br>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.<br>→ 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.

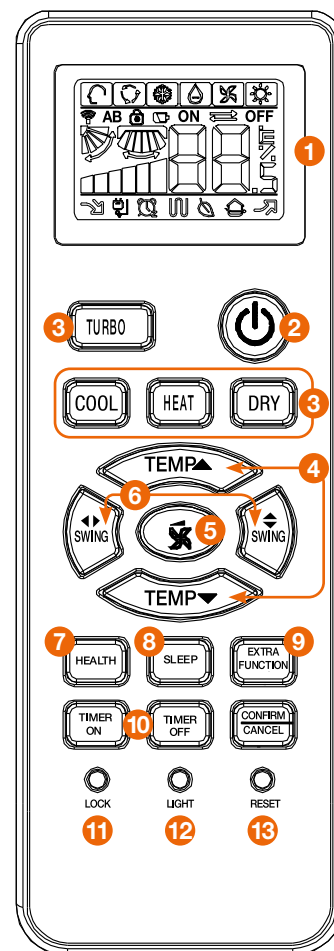
| N° | Explanation of the alarm code                                       | Display |
|----|---------------------------------------------------------------------|---------|
| 1  | Communication error between the remote control and the indoor unit. | F0      |
| 2  | The circuit board is faulty.                                        | 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                                                                                                                                                                             |
|                                      |  | HEALTH mode                                                                                                                                                                                       |
|                                      |  | POWER SUPPLY 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 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.

|  |                                                                                                                                                                                                                                                                                          |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Automatic.</b> 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.                                   |
|  | <b>Heating.</b> 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.   |
|  | <b>Cooling.</b> The air conditioner cools the room.                                                                                                                                                                                                                                      |
|  | <b>Ventilation only.</b> 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. |
|  | <b>Dehumidify (dry mode).</b> 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.

|                                                                                                                                                                                                                 |                                                                                   |                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>SWING</b> <br><br><b>Horizontal swing</b>  |  | 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

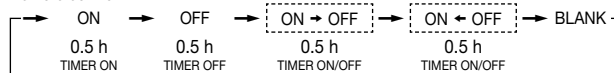
Use this function when you need silence to read or rest. Press the SILENT button, the remote control displays , then activate the Silent function.

## 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

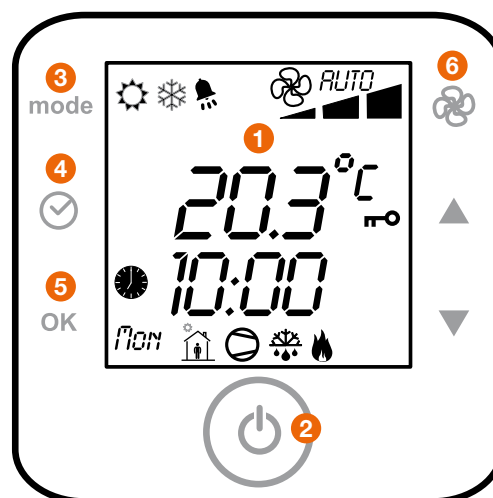
Press this button to reset the remote control if operation is abnormal.



## 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.

|             |                                                                                                                                                                                                            |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | <b>Summer/Cooling.</b> The air conditioner cools the room.                                                                                                                                                 |
|             | <b>Winter/Heating.</b> The air conditioner heats the ambient air.                                                                                                                                          |
| <i>AUTO</i> | <b>Automatic.</b> 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                                                         |                                                                                                                |                                                                                     |                                                                                    |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|    | <b>1</b> Press  for 5 seconds |    | <b>8</b> Select the next time band using ▲<br>→ Press OK<br>→ Repeat the procedure |
|    | <b>2</b> Select "TIME BANDS" using ▲ ▼<br>→ Press OK                                                           |    | <b>9</b> Select "ESC" using ▲ ▼<br>→ Press OK                                      |
|    | <b>3</b> Select "DAY BY DAY" using ▲ ▼<br>→ Press OK                                                           |    | <b>10</b> → Press OK to programme the next day                                     |
|   | <b>4</b> → Press OK                                                                                            |   | <b>11</b> Select the next day using ▲ ▼<br>→ Press OK<br>→ Repeat the procedure    |
|  | <b>5</b> Display the hour using ▲ ▼<br>→ Press OK                                                              |  | <b>9</b> Select "ESC" to exit using ▲ ▼<br>→ Press OK                              |
|  | <b>6</b> Display the minutes using ▲ ▼<br>→ Press OK                                                           |  | <b>13</b> Select "ESC" to exit using ▲ ▼<br>→ Press OK                             |
|  | <b>7</b> Display the temperature using ▲ ▼<br>→ Press OK                                                       |                                                                                     |                                                                                    |

## PROGRAMMING ON/OFF

|                                                                                     |                                                                                                                                        |                                                                                     |                                                                                                                                       |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>1</b> Press  to deactivate time band programming |  | <b>2</b> 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:**

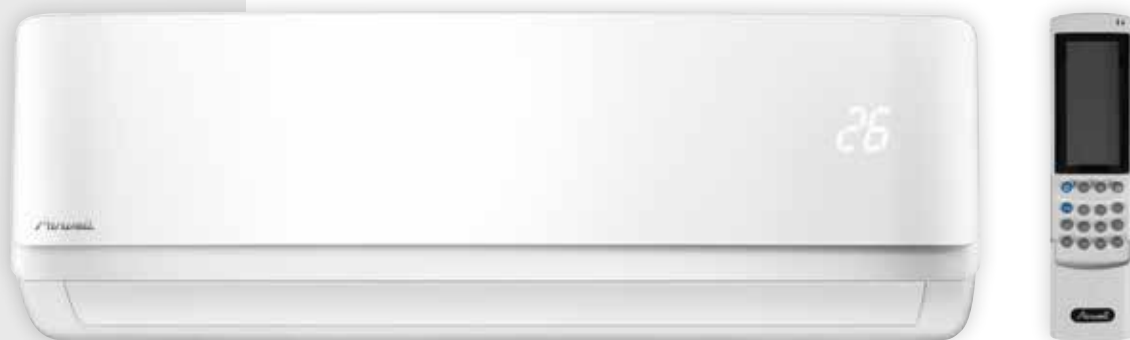
- Press ON/OFF + FAN for 5 seconds.



## High wall range



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



### + 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

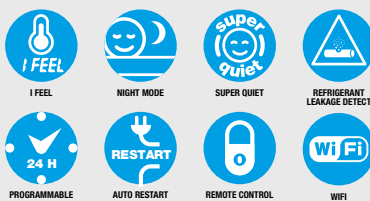
#### TECHNOLOGY:



#### 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](http://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                                                        |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| High wall                                                                           | Monosplit                                                                           | Multisplit                                                                          |
| HDH                                                                                 | YHDH                                                                                | YDZC                                                                                |
|  |  |  |



### + 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



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](http://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) |
| Pdesignnc                                 | 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) |
| Pdesignnh (average climate)               | kW     | 2.10              | 2.30             | 4.10             | 4.80             |
| Pdesignnh (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                                                                   |                                                                                                 |
|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| High wall                                                                                             | Monosplit                                                                                      | Multisplit                                                                                      |
| <p>HKD 9 à 24</p>  | <p>YKD</p>  | <p>YDZC</p>  |

## Multisplit DCI range

### Combination table

| OUTDOOR UNITS           |         |                                                                                     | Fluid type | kW   | Max. num.<br>of indoor units | Page    |
|-------------------------|---------|-------------------------------------------------------------------------------------|------------|------|------------------------------|---------|
| YDZC<br>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<br>HDH                                                                                        | High wall<br>HKD                                                                                        | Ducted medium static<br>pressure DDM                                                               | Cassette<br>CDM                                                                                        | Console<br>XDM                                                                                        |
|                        |                        |                   |                      |                    |
| <br>Sizes 9/12       | <br>Sizes 9/12       | <br>Size 12     | <br>Sizes 9X/12    | <br>Size 12X     |
| <br>Sizes 9/12/18    | <br>Sizes 9/12/18    | <br>Sizes 12/18 | <br>Sizes 9X/12/18 | <br>Sizes 12X/18 |
| <br>Sizes 9/12/18/24 | <br>Sizes 9/12/18/24 | <br>Sizes 12/18 | <br>Sizes 9X/12/18 | <br>Sizes 12X/18 |
| <br>Sizes 9/12/18/24 | <br>Sizes 9/12/18/24 | <br>Sizes 12/18 | <br>Sizes 9X/12/18 | <br>Sizes 12X/18 |



## + 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](http://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) |
|                                              | Pdesignnc                           | 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) |
|                                              | Pdesignnh (average climate)         | kW     | 5.00              | 5.60             | 9.00               | 9.20               |
|                                              | Pdesignnh (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                 |



DC Inverter  
Cooling & heating

# YDZC

## COMPATIBLE INDOOR UNITS

HIGH WALL  
HDH 9/12/18/24



### HDH INDOOR UNITS TECHNICAL DATA

| Indoor unit                               |        | AW-HDH009-N91 | AW-HDH012-N91 | AW-HDH018-N91 | AW-HDH024-N91 |
|-------------------------------------------|--------|---------------|---------------|---------------|---------------|
| Phase                                     |        | Single phase  | Single phase  | Single phase  | Single phase  |
| Cooling rated capacity                    | kW     | 2.84          | 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



High wall

### 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     |
| <b>PIPE LINE</b>                         |        |               |               |
| 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     |
| <b>FRAME</b>                           |        |                |               |               |                |               |
| 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     |                |               |
| <b>PIPE LINE</b>                       |        |                |               |               |                |               |
| 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     |

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/<br>Energy label | Rated power (kW) |        | Total power (kW) |       |      | Total input power (kW) |       |      | SCOP/<br>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/<br>Energy label | Rated power (kW) |        |        | Total power (kW) |       |      | Total input power (kW) |       |      | SCOP/<br>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/<br>Energy label | Rated power (kW) |        |        |        | Total power (kW) |       |       | Total input power (kW) |       |      | SCOP/<br>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



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



## YDZC542 MULTISPLIT CINCO

| Indoor unit combinations | COOLING          |        |        |        |        |                          |       |       |                        |       |      |                       | HEATING          |        |        |        |        |                          |       |       |                        |       |      |                       |
|--------------------------|------------------|--------|--------|--------|--------|--------------------------|-------|-------|------------------------|-------|------|-----------------------|------------------|--------|--------|--------|--------|--------------------------|-------|-------|------------------------|-------|------|-----------------------|
|                          | Rated power (kW) |        |        |        |        | Total cooling power (kW) |       |       | Total Input power (kW) |       |      | SEER/<br>Energy label | Rated power (kW) |        |        |        |        | Total heating power (kW) |       |       | Total Input power (kW) |       |      | SCOP/<br>Energy label |
|                          | Unit A           | Unit B | Unit C | Unit D | Unit E | Min.                     | Rated | Max.  | Min.                   | Rated | Max. |                       | Unit A           | Unit B | Unit C | Unit D | Unit E | Min.                     | Rated | Max.  | Min.                   | Rated | Max. |                       |
| 9+9                      | 2.64             | 2.64   | -      | -      | -      | 2.34                     | 5.28  | 8.00  | 0.72                   | 1.69  | 2.85 | 5.60/A+               | 2.99             | 2.99   | -      | -      | -      | 2.34                     | 5.97  | 8.00  | 0.53                   | 1.60  | 2.08 | 3.60/A                |
| 9+12                     | 2.61             | 3.48   | -      | -      | -      | 2.34                     | 6.09  | 8.61  | 0.72                   | 1.97  | 2.89 | 5.60/A+               | 2.87             | 3.83   | -      | -      | -      | 2.34                     | 6.70  | 8.61  | 0.53                   | 1.78  | 2.11 | 3.60/A                |
| 9+18                     | 2.57             | 5.14   | -      | -      | -      | 2.34                     | 7.71  | 11.07 | 0.72                   | 2.53  | 3.19 | 5.60/A+               | 2.72             | 5.44   | -      | -      | -      | 2.34                     | 8.16  | 11.07 | 0.53                   | 2.14  | 2.32 | 3.60/A                |
| 9+24                     | 2.52             | 6.72   | -      | -      | -      | 2.34                     | 9.24  | 12.30 | 0.72                   | 3.09  | 3.62 | 5.60/A+               | 2.60             | 6.94   | -      | -      | -      | 2.34                     | 9.54  | 12.30 | 0.53                   | 2.47  | 2.63 | 3.60/A                |
| 12+12                    | 3.45             | 3.45   | -      | -      | -      | 2.34                     | 6.90  | 9.23  | 0.72                   | 2.25  | 3.02 | 5.60/A+               | 3.72             | 3.72   | -      | -      | -      | 2.34                     | 7.43  | 9.23  | 0.53                   | 1.96  | 2.20 | 3.60/A                |
| 12+18                    | 3.41             | 5.11   | -      | -      | -      | 2.34                     | 8.52  | 11.69 | 0.72                   | 2.82  | 3.49 | 5.60/A+               | 3.56             | 5.34   | -      | -      | -      | 2.34                     | 8.89  | 11.69 | 0.53                   | 2.32  | 2.54 | 3.80/A                |
| 12+24                    | 3.35             | 6.70   | -      | -      | -      | 2.34                     | 10.05 | 12.30 | 0.72                   | 3.39  | 3.83 | 5.60/A+               | 3.42             | 6.85   | -      | -      | -      | 2.34                     | 10.27 | 12.30 | 0.53                   | 2.64  | 2.79 | 3.80/A                |
| 18+18                    | 5.07             | 5.07   | -      | -      | -      | 2.34                     | 10.14 | 12.30 | 0.72                   | 3.42  | 3.83 | 5.60/A+               | 5.18             | 5.18   | -      | -      | -      | 2.34                     | 10.35 | 12.30 | 0.53                   | 2.66  | 2.79 | 3.80/A                |
| 9+9+9                    | 2.54             | 2.54   | 2.54   | -      | -      | 2.89                     | 7.62  | 10.46 | 0.89                   | 2.50  | 4.26 | 5.80/A+               | 2.69             | 2.69   | 2.69   | -      | -      | 2.89                     | 8.08  | 10.46 | 0.65                   | 2.12  | 3.10 | 3.60/A                |
| 9+9+12                   | 2.53             | 2.53   | 3.37   | -      | -      | 2.89                     | 8.43  | 12.92 | 0.89                   | 2.79  | 4.04 | 5.80/A+               | 2.64             | 2.64   | 3.52   | -      | -      | 2.89                     | 8.81  | 12.92 | 0.65                   | 2.30  | 2.94 | 3.60/A                |
| 9+9+18                   | 2.51             | 2.51   | 5.03   | -      | -      | 2.89                     | 10.05 | 12.30 | 0.89                   | 3.39  | 4.26 | 5.80/A+               | 2.57             | 2.57   | 5.14   | -      | -      | 2.89                     | 10.27 | 12.30 | 0.65                   | 2.64  | 3.10 | 3.50/A                |
| 9+9+24                   | 2.48             | 2.48   | 6.62   | -      | -      | 2.89                     | 11.58 | 12.92 | 0.89                   | 3.97  | 4.43 | 5.80/A+               | 2.50             | 2.50   | 6.66   | -      | -      | 2.89                     | 11.65 | 12.92 | 0.65                   | 2.95  | 3.22 | 3.40/A                |
| 9+12+12                  | 2.52             | 3.36   | 3.36   | -      | -      | 2.89                     | 9.24  | 11.07 | 0.89                   | 3.09  | 4.04 | 5.80/A+               | 2.60             | 3.47   | 3.47   | -      | -      | 2.89                     | 9.54  | 11.07 | 0.65                   | 2.47  | 2.94 | 3.40/A                |
| 9+12+18                  | 2.51             | 3.34   | 5.01   | -      | -      | 2.89                     | 10.86 | 11.69 | 0.89                   | 3.70  | 4.26 | 5.80/A+               | 2.54             | 3.39   | 5.08   | -      | -      | 2.89                     | 11.00 | 11.69 | 0.65                   | 2.81  | 3.10 | 3.50/A                |
| 9+12+24                  | 2.46             | 3.28   | 6.56   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.89                   | 4.26  | 4.43 | 5.80/A+               | 2.46             | 3.28   | 6.56   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.65                   | 3.10  | 3.22 | 3.40/A                |
| 9+18+18                  | 2.46             | 4.92   | 4.92   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.89                   | 4.26  | 4.43 | 5.80/A+               | 2.46             | 4.92   | 4.92   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.65                   | 3.10  | 3.22 | 3.50/A                |
| 12+12+12                 | 3.35             | 3.35   | 3.35   | -      | -      | 2.89                     | 10.05 | 11.07 | 0.89                   | 3.39  | 4.17 | 5.80/A+               | 3.42             | 3.42   | 3.42   | -      | -      | 2.89                     | 10.27 | 11.07 | 0.65                   | 2.64  | 3.04 | 3.50/A                |
| 12+12+18                 | 3.33             | 3.33   | 5.00   | -      | -      | 2.89                     | 11.67 | 12.92 | 0.89                   | 4.01  | 4.43 | 5.80/A+               | 3.35             | 3.35   | 5.03   | -      | -      | 2.89                     | 11.73 | 12.92 | 0.65                   | 2.97  | 3.22 | 3.50/A                |
| 12+12+24                 | 3.08             | 3.08   | 6.15   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.89                   | 4.26  | 4.43 | 5.80/A+               | 3.08             | 3.08   | 6.15   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.65                   | 3.10  | 3.22 | 3.40/A                |
| 12+18+18                 | 3.08             | 4.61   | 4.61   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.89                   | 4.26  | 4.43 | 5.80/A+               | 3.08             | 4.61   | 4.61   | -      | -      | 2.89                     | 12.30 | 12.92 | 0.65                   | 3.10  | 3.22 | 3.40/A                |
| 9+9+9+9                  | 2.49             | 2.49   | 2.49   | 2.49   | -      | 3.69                     | 9.96  | 12.92 | 1.02                   | 3.36  | 4.68 | 6.10/A++              | 2.55             | 2.55   | 2.55   | 2.55   | -      | 3.69                     | 10.19 | 12.92 | 0.74                   | 2.62  | 3.41 | 3.50/A                |
| 9+9+9+12                 | 2.49             | 2.49   | 2.49   | 3.31   | -      | 3.69                     | 10.77 | 13.53 | 1.02                   | 3.66  | 4.68 | 6.10/A++              | 2.52             | 2.52   | 2.52   | 3.36   | -      | 3.69                     | 10.92 | 13.53 | 0.74                   | 2.79  | 3.41 | 3.50/A                |
| 9+9+9+18                 | 2.46             | 2.46   | 2.46   | 4.92   | -      | 3.69                     | 12.30 | 13.53 | 1.02                   | 4.26  | 4.89 | 6.10/A++              | 2.46             | 2.46   | 2.46   | 4.92   | -      | 3.69                     | 12.30 | 13.53 | 0.74                   | 3.10  | 3.56 | 3.40/A                |
| 9+9+9+24                 | 2.21             | 2.21   | 2.21   | 5.91   | -      | 3.69                     | 12.55 | 13.53 | 1.02                   | 4.30  | 4.89 | 6.10/A++              | 2.21             | 2.21   | 2.21   | 5.91   | -      | 3.69                     | 12.55 | 13.53 | 0.74                   | 3.15  | 3.56 | 3.80/A                |
| 9+9+12+12                | 2.48             | 2.48   | 3.31   | 3.31   | -      | 3.69                     | 11.58 | 13.53 | 1.02                   | 3.97  | 4.68 | 6.10/A++              | 2.48             | 2.48   | 3.31   | 3.31   | -      | 3.69                     | 11.58 | 13.53 | 0.74                   | 2.95  | 3.41 | 3.70/A                |
| 9+9+12+18                | 2.33             | 2.33   | 3.11   | 4.66   | -      | 3.69                     | 12.42 | 13.53 | 1.02                   | 4.28  | 4.89 | 6.10/A++              | 2.33             | 2.33   | 3.11   | 4.66   | -      | 3.69                     | 12.42 | 13.53 | 0.74                   | 3.12  | 3.56 | 3.60/A                |
| 9+9+12+24                | 2.10             | 2.10   | 2.80   | 5.60   | -      | 3.69                     | 12.60 | 13.53 | 1.02                   | 4.32  | 4.89 | 6.10/A++              | 2.10             | 2.10   | 2.80   | 5.60   | -      | 3.69                     | 12.60 | 13.53 | 0.74                   | 3.18  | 3.56 | 3.40/A                |
| 9+12+12+12               | 2.46             | 3.28   | 3.28   | 3.28   | -      | 3.69                     | 12.30 | 13.53 | 1.02                   | 4.26  | 4.68 | 6.10/A++              | 2.46             | 3.28   | 3.28   | 3.28   | -      | 3.69                     | 12.30 | 13.53 | 0.74                   | 3.10  | 3.41 | 3.50/A                |
| 9+12+12+18               | 2.21             | 2.95   | 2.95   | 4.43   | -      | 3.69                     | 12.55 | 13.53 | 1.02                   | 4.30  | 4.89 | 6.10/A++              | 2.21             | 2.95   | 2.95   | 4.43   | -      | 3.69                     | 12.55 | 13.53 | 0.74                   | 3.15  | 3.56 | 3.50/A                |
| 12+12+12+12              | 3.11             | 3.11   | 3.11   | 3.11   | -      | 3.69                     | 12.42 | 13.53 | 1.02                   | 4.28  | 4.68 | 6.10/A++              | 3.11             | 3.11   | 3.11   | 3.11   | -      | 3.69                     | 12.42 | 13.53 | 0.74                   | 3.12  | 3.41 | 3.40/A                |
| 12+12+12+18              | 2.80             | 2.80   | 2.80   | 4.20   | -      | 3.69                     | 12.60 | 13.53 | 1.02                   | 4.32  | 4.89 | 6.10/A++              | 2.80             | 2.80   | 2.80   | 4.20   | -      | 3.69                     | 12.60 | 13.53 | 0.74                   | 3.18  | 3.56 | 3.50/A                |
| 9+9+9+9+9                | 2.46             | 2.46   | 2.46   | 2.46   | 2.46   | 4.18                     | 12.30 | 14.00 | 1.15                   | 4.26  | 5.11 | 6.20/A++              | 2.46             | 2.46   | 2.46   | 2.46   | 2.46   | 4.18                     | 12.30 | 14.00 | 0.84                   | 3.10  | 3.72 | 3.80/A                |
| 9+9+9+9+12               | 2.33             | 2.33   | 2.33   | 2.33   | 3.11   | 4.18                     | 12.42 | 14.00 | 1.15                   | 4.28  | 5.11 | 6.20/A++              | 2.33             | 2.33   | 2.33   | 2.33   | 3.11   | 4.18                     | 12.42 | 14.00 | 0.84                   | 3.12  | 3.72 | 3.80/A                |
| 9+9+9+9+18               | 2.10             | 2.10   | 2.10   | 2.10   | 4.20   | 4.18                     | 12.60 | 14.00 | 1.15                   | 4.32  | 5.11 | 6.20/A++              | 2.10             | 2.10   | 2.10   | 2.10   | 4.20   | 4.18                     | 12.60 | 14.00 | 0.84                   | 3.18  | 3.72 | 3.80/A                |
| 9+9+9+12+12              | 2.21             | 2.21   | 2.21   | 2.95   | 2.95   | 4.18                     | 12.55 | 14.00 | 1.15                   | 4.30  | 5.11 | 6.20/A++              | 2.21             | 2.21   | 2.21   | 2.95   | 2.95   | 4.18                     | 12.55 | 14.00 | 0.84                   | 3.15  | 3.72 | 3.80/A                |
| 9+9+12+12+12             | 2.10             | 2.10   | 2.80   | 2.80   | 2.80   | 4.18                     | 12.60 | 14.00 | 1.15                   | 4.32  | 5.11 | 6.20/A++              | 2.10             | 2.10   | 2.80   | 2.80   | 2.80   | 4.18                     | 12.60 | 14.00 | 0.84                   | 3.18  | 3.72 | 3.80/A                |

Based on wall mounted combination

# Ducted range



| MODEL NAME                                                                                                                                                                     | Fluid type      | Page                 | kBTU/h<br>kW | 12<br>3.5 | 18<br>5 | 24<br>7 | 36<br>10 | 45<br>12.5 | 60<br>16 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|--------------|-----------|---------|---------|----------|------------|----------|
| <br><b>DUCTED MEDIUM<br/>STATIC PRESSURE</b><br>Designed to fit into<br>tight false ceiling | <b>DDM</b>      | R32 -<br>R410A<br>36 |              | ●         | ●       | ●       | ●        | ●          | ●        |
| <br><b>ZONE BY ZONE<br/>REGULATION</b><br>The ideal temperature in<br>each room             | <b>WELLZONE</b> | 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](http://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   |       | <b>Central controller.</b> 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) |
| Pdesigngc                                | 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                                                                |                                                                                             |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Ducted                                                                                             | Monosplit                                                                                   | Multisplit                                                                                  |
| DDM 12 & 18<br> | YDFA<br> | YDZC<br> |
| DDM 24 & 36<br> | YDFA<br> |                                                                                             |
| DDM 48 & 60<br> | YDFA<br> |                                                                                             |

### Wellzone: The ideal temperature in each room

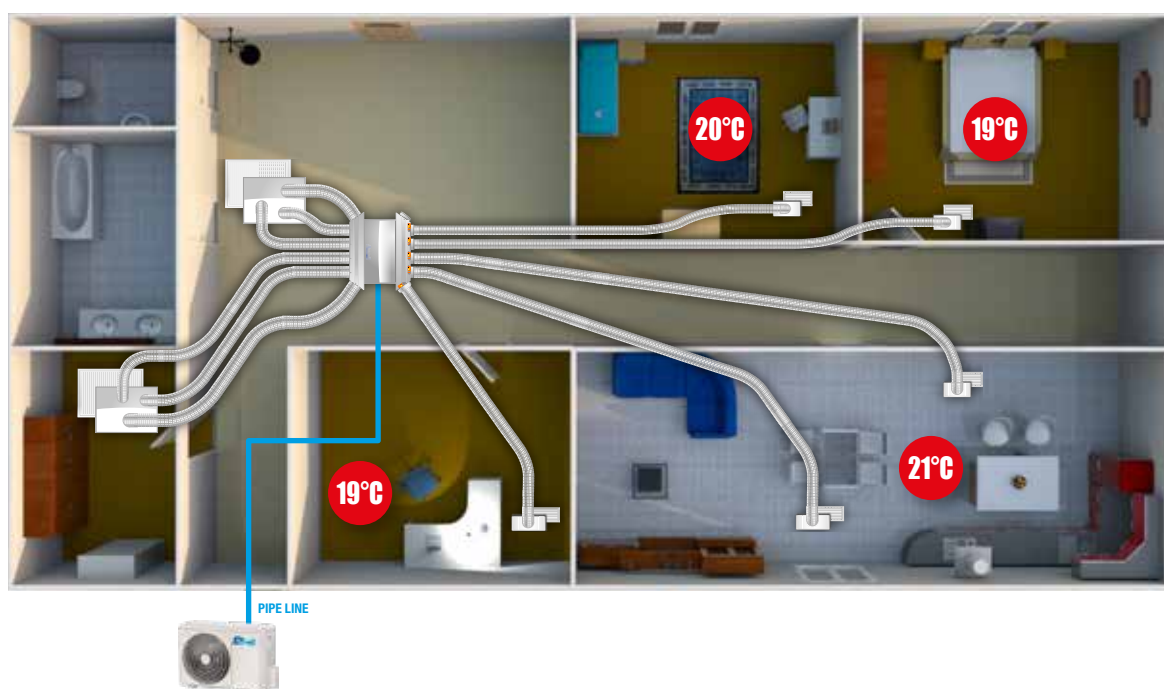
**INFO!**

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<br>kW | 9<br>2.5                                                                                       | 12<br>3.5                                                                                      | 18<br>5                                                                                          | 24<br>7                                                                                          | 36<br>10                                                                                         | 48<br>12.5                                                                                       |
|------------------------------------------------------------------------------------------------------------------|------------|----------------|--------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <br>CASSETTE<br>360° cassette | CDM        | R32 -<br>R410A | 42           | <br>60 x 60 | <br>60 x 60 | <br>60 x 60 | <br>90 x 90 | <br>90 x 90 | <br>90 x 90 |



DC Inverter  
Cooling & heating



# CDM

## 360° CASSETTE



A++

CDM 012-018

600x600 and 900x900



CDM 024-048

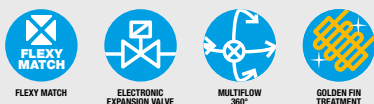


### + PRODUCTS

- 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](http://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

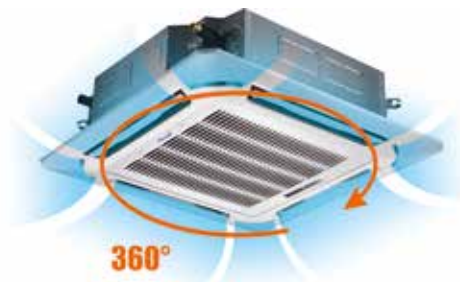
→ Parameters can be read on the indoor unit

### 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   |       | <b>Central controller.</b> 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                                                                |                                                                                             |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Cassette                                                                                           | Monosplit                                                                                   | Multisplit                                                                                  |
| CDM 9X<br>      |                                                                                             | YDZC<br> |
| CDM 12 & 18<br> | YDFA<br> | YDZC<br> |

| Indoor unit                                                                                         | Compatible with outdoor unit                                                                  |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Cassette                                                                                            | Monosplit                                                                                     |
| CDM 24 & 36<br> | YDFA<br> |
| CDM 48<br>      | YDFA<br> |



# Floor ceiling & Console ranges



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



DC Inverter  
Cooling & heating



# FDM FLOOR CEILING

A<sup>++</sup>



## + 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 VIA 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](http://www.eurovent-certification.com)



\* models so marked are not Eurovent certified

### THE «SUSTAINABLE DEVELOPMENT»

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

### THE «USER»

→ Wide air distribution for large room volume

### THE «INSTALLER»

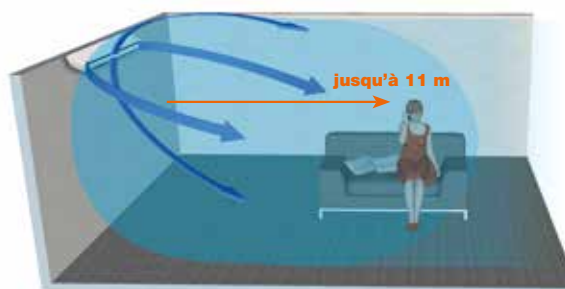
→ Parameters can be read on the indoor unit

### 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   |       | <b>Central controller.</b> 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) |
| Pdesignnc                              | 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) |
| Pdesignnh (average climate)            | kW     | 4.80              | 5.40             | 8.70               | 9.10               | 11.50              | 12.20             |
| Pdesignnh (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 |
|----------------------|------------------------------|
| <b>Floor ceiling</b> | <b>Monosplit</b>             |
| FDM 18-24-36         | YDFA                         |
| FDM 48-60            | YDFA                         |



DC Inverter  
Cooling & heating



# XDM

## CONSOLE DUAL FLOW

A<sup>++</sup>



### + 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](http://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) |
| Pdesignnc                              | 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 ) |
| Pdesignnh (average climate)            | kW     |                               | 4.00                |
| Pdesignnh (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                                                                |                                                                                             |
| Console                                                                                        | Monosplit                                                                                   | Multisplit                                                                                  |
| XDM 12X<br> |                                                                                             | YDZC<br> |
| XDM 18<br>  | YDFA<br> | YDZC<br> |



DC Inverter  
Cooling & heating

# FWDB

## LOW TEMPERATURE FLOOR CEILING



A<sup>++</sup>

### + 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



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](http://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)



DEDICATED DESIGN FOR WINE CELLARS OR ANY LOW TEMPERATURE PROCESS ROOMS

### OPTIONS

| Accessory                     | Part number | Photo | Function                                |
|-------------------------------|-------------|-------|-----------------------------------------|
| Water pump Mini Flowwatch 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 | Monosplit                    |
| FWDB 018      | YMDB                         |
| FWDB 024      | YMDB                         |



## Floor standing range

| MODEL NAME                                                                                                                |     | Fluid type | Page | kBTU/h<br>kW | 48<br>12.5 |
|---------------------------------------------------------------------------------------------------------------------------|-----|------------|------|--------------|------------|
| <br>FLOOR STANDING<br>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 m<sup>3</sup>/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

|                                          |           |                        |
|------------------------------------------|-----------|------------------------|
| <b>Indoor unit</b>                       |           | <b>AW-SDM048-N11</b>   |
| <b>Outdoor unit</b>                      |           | <b>AW-YSDM048-H11</b>  |
| <b>Phase</b>                             |           | <b>Single phase</b>    |
| <b>COOLING</b>                           |           |                        |
| <b>Rated power (min./max.)</b>           | <b>kW</b> | <b>12.5 (6.0-14.5)</b> |
| 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      |
| <b>HEATING</b>                           |           |                        |
| <b>Rated power (min./max.)</b>           | <b>kW</b> | <b>13.0 (6.0-16.5)</b> |
| <b>Pdesignh (average climate)</b>        | <b>kW</b> | <b>9.10</b>            |
| <b>Pdesignh (warmer climate)</b>         | <b>kW</b> | <b>10.00</b>           |
| 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      |
| <b>INDOOR UNIT</b>                       |           |                        |
| 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                  |
| <b>Part number</b>                       |           | <b>7SP011088</b>       |
| <b>OUTDOOR UNIT</b>                      |           |                        |
| 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                  |
| <b>Part number</b>                       |           | <b>7SP062971</b>       |
| <b>POWER SUPPLY</b>                      |           |                        |
| 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                  |
| <b>PIPE LINE</b>                         |           |                        |
| Suction pipe diameter                    | inches    | 3/4"                   |
| Liquid pipe diameter                     | inches    | 3/8"                   |
| Max. length                              | m         | 50                     |
| Max. height                              | m         | 30                     |
| <b>Refrigerant/GWP</b>                   |           | <b>R410A/2088</b>      |
| Charge (5m)                              | kg        | 2.85                   |

## COMBINATIONS

| <b>Indoor unit</b>                                                                             | <b>Compatible with outdoor unit</b>                                                             |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Floor standing</b>                                                                          | <b>Monosplit</b>                                                                                |
| <p>SDM</p>  | <p>YSDM</p>  |



## Monobloc range

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



### + 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

Confort optimal:  
solution réversible



### 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     |
| <b>COOLING</b>                         |       |                  |
| 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 |
| <b>HEATING</b>                         |       |                  |
| 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  |
| <b>INDOOR UNIT</b>                     |       |                  |
| 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        |
| <b>POWER SUPPLY</b>                    |       |                  |
| Phase/Voltage/Frequency                |       | 1P/230V/50Hz     |
| <b>PIPE LINE</b>                       |       |                  |
| 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



## + 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<br>kW | 7<br>2 | 9<br>2.5 | 12<br>3.5 | 18<br>5 | 24<br>7 | 31<br>9 | 41<br>13 | 51<br>17 | 71<br>21.5 | 81<br>23.5 | 101<br>31.5 |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------|--------------|--------|----------|-----------|---------|---------|---------|----------|----------|------------|------------|-------------|
| <br><b>WATER CONSOLE</b><br>Monobloc, cooling and heating mode | <b>XDO</b>                                                                                                  | R410A 62 |              |        | ●        | ●         |         |         |         |          |          |            |            |             |
| <br><b>WATER SOURCE</b><br>Split system                       | <b>GCAO</b><br>+<br><b>HHF/CAF/DAF</b>                                                                      | R410A 64 |              |        | ●        | ●         | ●       | ●       |         |          |          |            |            |             |
| <b>WATER LOOP HEAT PUMP</b><br>Ideal for shops                                                                                                   | <b>DFO 5 to 17</b><br>   | R410A 66 |              | ●      | ●        |           | ●       |         |         |          |          |            |            |             |
|                                                                                                                                                  | <b>DFO 21 to 101</b><br> | R410A 67 |              |        |          |           |         | ●       | ●       | ●        | ●        | ●          | ●          | ●           |



DC Inverter  
Cooling & heating

# XDO WATER CONSOLE

A<sup>++</sup>

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 <sup>(1)</sup>   | kW    | 2.50             | 3.50          |
| P <sub>designc</sub>         | 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 <sup>(2)</sup>   | kW    | 2.70             | 3.80          |
| P <sub>designh</sub>         | 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



AUTO 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<br>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:



### 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-DF0005-H11 | AW-DF0009-H11 | AW-DF0017-H11 |
|----------------------------------------------|-------|---------------|---------------|---------------|
| Part number                                  |       | 70G091075     | 70G091076     | 70G091077     |
| Phase                                        |       | Single phase  | Single phase  | Single phase  |
| <b>COOLING</b>                               |       |               |               |               |
| Rated power <sup>(1)</sup>                   | 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          |
| <b>HEATING - AIR TO 20°C - WATER TO 20°C</b> |       |               |               |               |
| Rated power <sup>(2)</sup>                   | kW    | 2.76          | 3.85          | 4.92          |
| Total input power                            | kW    | 0.55          | 0.77          | 1.06          |
| COP                                          |       | 4.99          | 4.97          | 4.66          |
| <b>HEATING - AIR TO 20°C - WATER TO 15°C</b> |       |               |               |               |
| Rated power <sup>(3)</sup>                   | kW    | 2.46          | 3.33          | 4.42          |
| Total input power                            | kW    | 0.55          | 0.73          | 1.02          |
| COP                                          |       | 4.42          | 4.47          | 4.30          |
| <b>INDOOR UNIT</b>                           |       |               |               |               |
| Sound pressure level to 1 m                  | dB(A) | 33            | 34            | 35            |
| Number of compressors                        | nb    | 1             | 1             | 1             |
| Compressor type                              |       | Rotary        | Rotary        | Rotary        |
| Airflow                                      | m³/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 <sup>(4)</sup>              | 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         |
| <b>POWER SUPPLY</b>                          |       |               |               |               |
| Phase/Voltage/Frequency                      |       | 1P/230V/50Hz  | 1P/230V/50Hz  | 1P/230V/50Hz  |
| <b>ERP DATA<sup>(5)</sup></b>                |       |               |               |               |
| SEER                                         |       | 3.75          | 3.90          | 4.18          |
| SCOP                                         |       | 3.41          | 3.63          | 4.05          |
| <b>PIPE LINE</b>                             |       |               |               |               |
| 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-<br>DFO021-H11 | AW-<br>DFO031-H11 | AW-<br>DFO051-H11 | AW-<br>DFO071-H13 | AW-<br>DFO101-H13 |
|----------------------------------|-------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Part number                      |       | 70G091078         | 70G091079         | 70G091081         | 70G091082         | 70G091084         |
| Phase                            |       | Single phase      | Single phase      | Single phase      | Three phase       | Three phase       |
| <b>COOLING</b>                   |       |                   |                   |                   |                   |                   |
| Rated power <sup>(1)</sup>       | 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              |
| <b>HEATING</b>                   |       |                   |                   |                   |                   |                   |
| Rated power <sup>(2)</sup>       | 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              |
| <b>INDOOR UNIT</b>               |       |                   |                   |                   |                   |                   |
| 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 <sup>(4)</sup>  | 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           |
| <b>POWER SUPPLY</b>              |       |                   |                   |                   |                   |                   |
| Phase/Voltage/Frequency          |       | 1P/230V/50Hz      | 1P/230V/50Hz      | 1P/230V/50Hz      | 3P/400V/50Hz/N    | 3P/400V/50Hz/N    |
| <b>ERP DATA</b> <sup>(5)</sup>   |       |                   |                   |                   |                   |                   |
| SEER                             |       | 3.28              | 3.93              | 3.57              | 4.23              | 4.47              |
| SCOP                             |       | 3.81              | 3.82              | 3.81              | 3.91              | 4.08              |
| <b>PIPE LINE</b>                 |       |                   |                   |                   |                   |                   |
| 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   |   | <b>XAM</b>  | R410A | 70 | ●    | ●  | ●    |    |    | ●  |    |
|                        | VERTICAL CABINET<br>High efficiency                                                 |             |       |    |      |    |      |    |    |    |    |
|                        |  | <b>YXAM</b> | R410A | 71 | ●    |    |      | ●  | ●  |    | ●  |
|                        | AIR CONDENSER<br>Independent unit                                                   |             |       |    |      |    |      |    |    |    |    |
| VERTICAL WATER CABINET |  | <b>XOM</b>  | R410A | 72 | ●    | ●  |      | ●  |    |    | ●  |
|                        | VERTICAL CABINET<br>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»

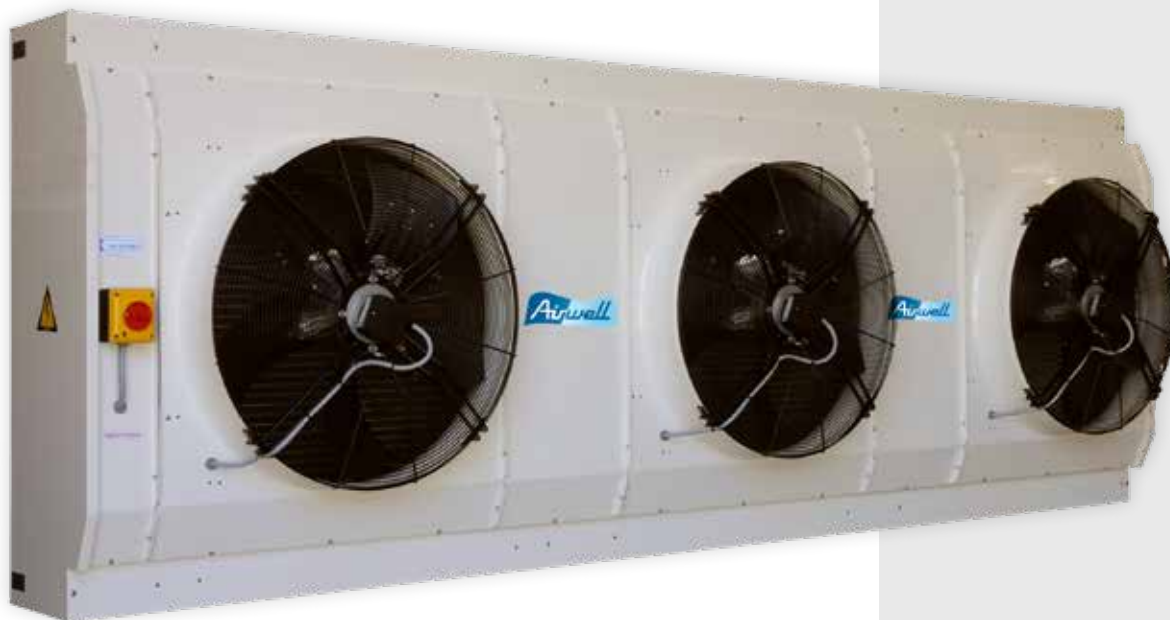
- Dry contact, alarm output
- Remote control with reading of temperature and humidity sensors, reading of refrigerant pressures, adjustment of available pressure
- Integrated supply air plenum

### THE + «TECHNOLOGY»

- EC ventilation, electronic expansion valve

### XAM TECHNICAL DATA

| Indoor unit                    |        | AW-<br>XAM040-N13 | AW-<br>XAM056-N13 | AW-<br>XAM068-N13 | AW-<br>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-<br>XOM040-N13 | AW-<br>XOM056-N13 | AW-<br>XOM068-N13 | AW-<br>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 statique 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         |                   |                   |                   |



## 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

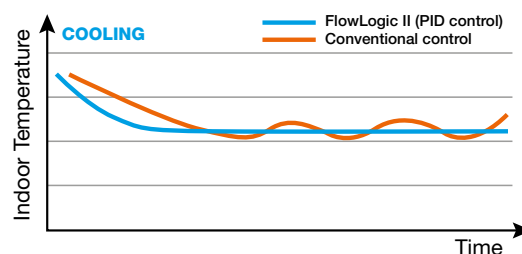
- The system is cooled with little refrigerant.
  - Improve subcooling degree of refrigerant.
  - Avoid energy loss due to refrigerant flash evaporating when it goes through PMV.
  - W-model Ø8 innergrooved tube.
  - Hydrophilic aluminium coil fin, it will increase efficiency of heat exchange by 5%.
- Increase cooling power by 6%.
- Reduce refrigerant circulation amounts.

**Increase the efficiency of system**



### 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

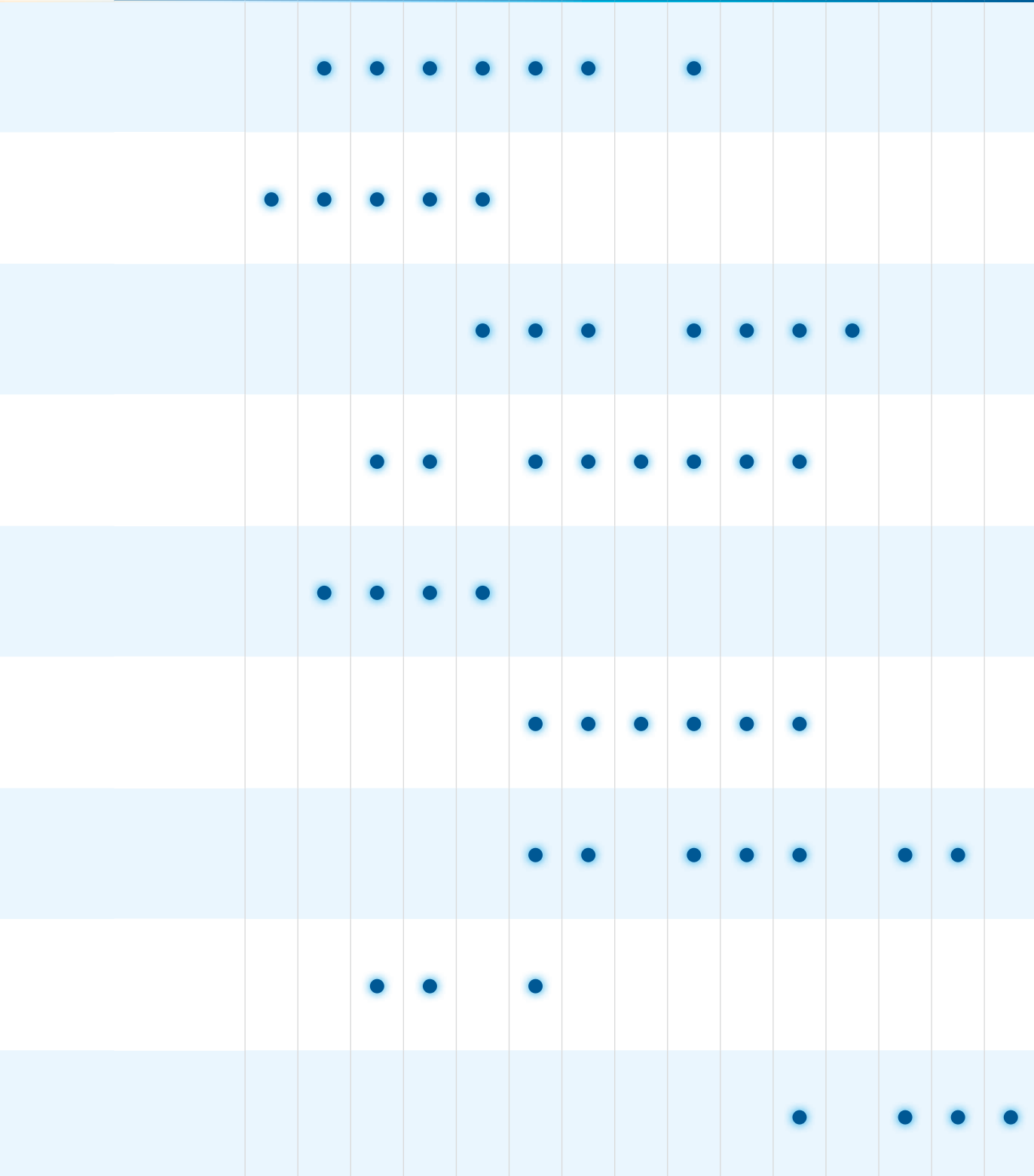
| MODEL NAME        |                                                                                             | Fluid type | Page | Capacity (HP) | Cooling power (kW) | Heating power (kW) |
|-------------------|---------------------------------------------------------------------------------------------|------------|------|---------------|--------------------|--------------------|
| MINI FLOWLOGIC II | YCV080     | R410A      | 80   | 3             | 8                  | 9.5                |
|                   | YCV125                                                                                      |            |      | 4             | 12.5               | 14                 |
|                   | YCV150     |            |      | 5             | 15                 | 17                 |
|                   | YCV180                                                                                      |            |      | 6             | 18                 | 20                 |
|                   | YCVFD220  | R410A      | 80   | 8             | 22.5               | 25                 |
|                   | YCVFD280                                                                                    |            |      | 10            | 28                 | 31.5               |
|                   | YCVFD335                                                                                    |            |      | 12            | 33.5               | 37.5               |
| FLOWLOGIC III     | YDV280                                                                                      | R410A      | 82   | 10            | 28                 | 31.5               |
|                   | YDV335   |            |      | 12            | 33.5               | 37.5               |
|                   | YDV400                                                                                      |            |      | 14            | 40                 | 45                 |
|                   | YDV450                                                                                      |            |      | 16            | 45                 | 50                 |
|                   | YDV504   | R410A      | 82   | 18            | 50.4               | 56.5               |
|                   | YDV560                                                                                      |            |      | 20            | 56                 | 63                 |
|                   | YDV615                                                                                      |            |      | 22            | 61.5               | 69                 |
|                   | YDV680                                                                                      |            |      | 24            | 68                 | 73                 |
| WATER FLOWLOGIC   | YWC220   | R410A      | 92   | 8             | 22.4               | 25.0               |
|                   | YWC280                                                                                      |            |      | 10            | 28                 | 31.5               |
|                   | YWC335                                                                                      |            |      | 12            | 33.5               | 37.5               |

# VRF range

## Indoor units

| MODEL NAME                    |            |                                                                                     | Fluid type | Page |
|-------------------------------|------------|-------------------------------------------------------------------------------------|------------|------|
| HIGH WALL                     | <b>HBV</b> |    | R410A      | 94   |
| CASSETTE 600X600              | <b>CBV</b> |    | R410A      | 95   |
| 360° CASSETTE                 | <b>CFV</b> |   | R410A      | 96   |
| FLOOR CEILING                 | <b>FAV</b> |  | R410A      | 97   |
| DUCTED LOW STATIC PRESSURE    | <b>DDV</b> |  | R410A      | 98   |
| DUCTED MEDIUM STATIC PRESSURE | <b>DBV</b> |  | R410A      | 99   |
| DUCTED HIGH STATIC PRESSURE   | <b>DCV</b> |  | R410A      | 100  |
| CONSOLE                       | <b>EAV</b> |  | 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](http://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.

10-12 HP

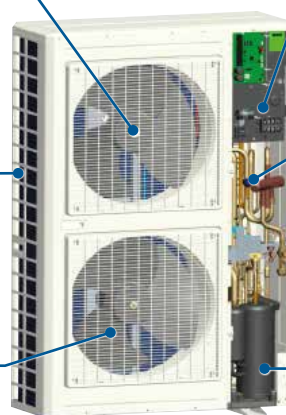
**High efficiency condenser:**  
Ø8 inner grooved tube;  
hydrophilic corrugated  
fissure fin.

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

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

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

**Twin rotary 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         |
|                                               |          |  |  |                  |                  |                  |  |                   |                   |
| <b>RATED POWER</b>                            |          |                                                                                   |                                                                                   |                  |                  |                  |                                                                                     |                   |                   |
| 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              |
| <b>ELECTRICAL PARAMETERS</b>                  |          |                                                                                   |                                                                                   |                  |                  |                  |                                                                                     |                   |                   |
| 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                |
| <b>PERFORMANCE</b>                            |          |                                                                                   |                                                                                   |                  |                  |                  |                                                                                     |                   |                   |
| 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                |
| <b>INSTALLATION</b>                           |          |                                                                                   |                                                                                   |                  |                  |                  |                                                                                     |                   |                   |
| 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                |
| <b>OPERATING LIMITS</b>                       |          |                                                                                   |                                                                                   |                  |                  |                  |                                                                                     |                   |                   |
| 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°          |
| <b>PIPE LINE</b>                              |          |                                                                                   |                                                                                   |                  |                  |                  |                                                                                     |                   |                   |
| 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 m<sup>2</sup>



RWV06  
(optional)



RWV08  
(optional)

### FEATURES

#### TECHNOLOGY:



#### INSTALLER FUNCTIONS:



### CERTIFICATION

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

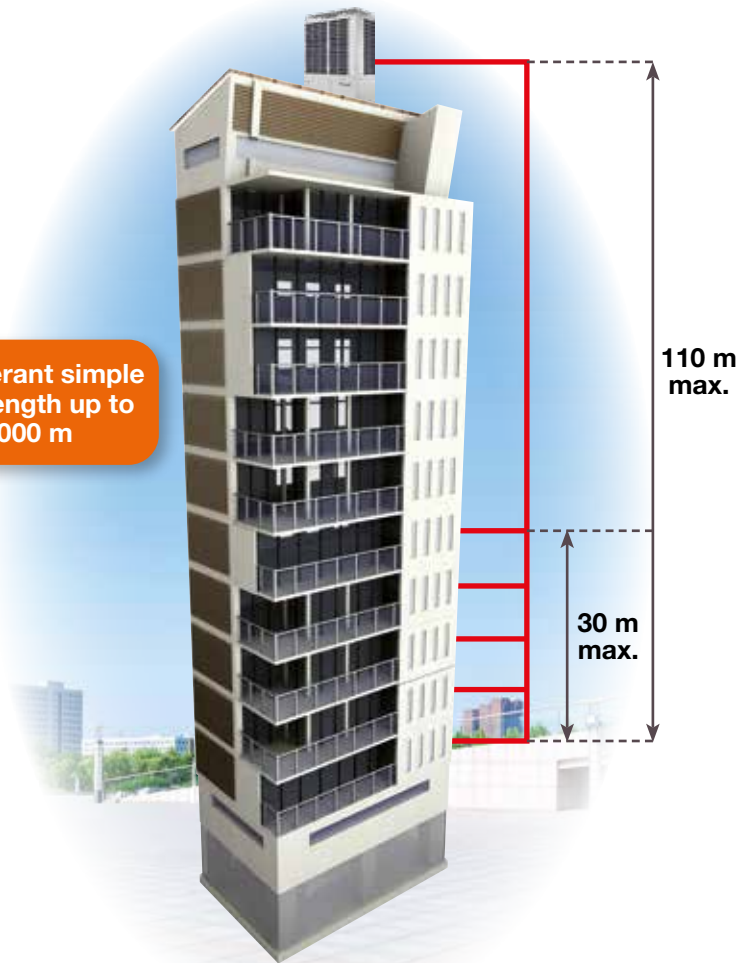
- Anti-corrosion treatment
- Up to 64 indoor units
- Performance certified by Eurovent

### 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 m<sup>2</sup>)

→ One of the smallest footprint on market

■ Full DC Inverter

→ 2 x Full DC Inverter



→ 0.97 m<sup>2</sup>

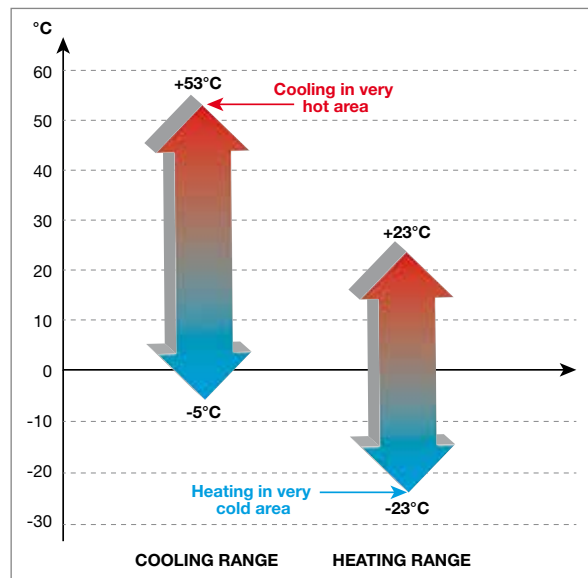


- **High static pressure outdoor unit:**  
**82 Pa, long air duct**



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

- **Wide operation range**



→ **Specific design:**

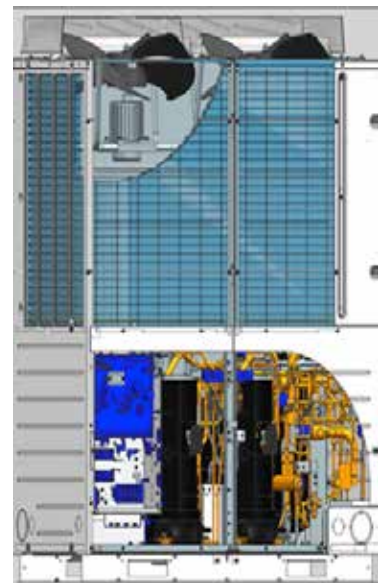
- Double EEV
- Two-piece condenser
- Independent electrical box

→ **Reliability/Maintenance:**

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

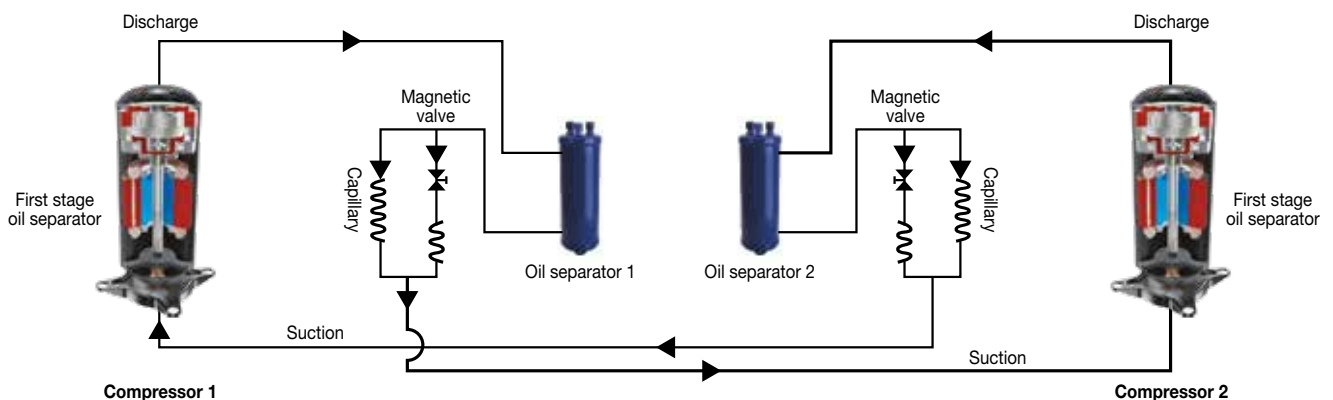
→ **Fan:**

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



■ **Specific oil return**

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



## FLOWLOGIC III TECHNICAL DATA

| Outdoor unit                                     | AWAU-YDV<br>280-H13 | AWAU-YDV<br>335-H13 | AWAU-YDV<br>400-H13 | AWAU-YDV<br>450-H13 | AWAU-YDV<br>504-H13 | AWAU-YDV<br>560-H13 | AWAU-YDV<br>615-H13 | AWAU-YDV<br>680-H13 |
|--------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Part number                                      | 7SP14H030           | 7HP14H031           | 7SP14H032           | 7SP14H033           | 7SP14H034           | 7SP14H035           | 7SP14H036           | 7SP14H037           |
| Outdoor unit<br>Tropicalized version - Drop only | AW-YDV<br>280TR-H13 | AW-YDV<br>335TR-H13 | AW-YDV<br>400TR-H13 | AW-YDV<br>450TR-H13 | AW-YDV<br>504TR-H13 | AW-YDV<br>560TR-H13 | AW-YDV<br>615TR-H13 | AW-YDV<br>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"          |
|                                                            | Suction pipe diameter | inches        | 7/8"          | 1"            | 1"            | 1 1/8"        | 1 1/8"        | 1 1/8"        | 1 1/8"        |
|                                                            | Oil equalization pipe | inches        | 3/8"          | 3/8"          | 3/8"          | 3/8"          | 3/8"          | 3/8"          | 3/8"          |
|                                                            | Max. tube length      | m             | 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 /<br>7SP14H031                                                             | YDV400 /<br>7SP14H032 | YDV400 /<br>7SP14H032 | YDV400 /<br>7SP14H032                                                               | YDV450 /<br>7SP14H033 | YDV450 /<br>7SP14H033 |
|                          | YDV400 /<br>7SP14H032                                                             | YDV400 /<br>7SP14H032 | YDV450 /<br>7SP14H033 | YDV504 /<br>7SP14H034                                                               | YDV504 /<br>7SP14H034 | YDV560 /<br>7SP14H035 |
|                          |  |                       |                       |  |                       |                       |

#### POWERS

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

#### ELECTRICAL PARAMETERS

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

#### PERFORMANCE

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

#### INSTALLATION

|                                                            |                       |          |                      |                       |                       |                                  |                                  |                                  |
|------------------------------------------------------------|-----------------------|----------|----------------------|-----------------------|-----------------------|----------------------------------|----------------------------------|----------------------------------|
| Dimensions (WxHxD)                                         |                       | mm       | (1350x1690x720)x2    | (1350x1690x720)<br>x2 | (1350x1690x720)<br>x2 | 1350x1690x720 +<br>1350x2048x720 | 1350x1690x720 +<br>1350x2048x720 | 1350x1690x720 +<br>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 +<br>279/304 | 279/304 +<br>279/304  | 279/304 +<br>321/346  | 321/346 +<br>335/360             | 321/346 +<br>335/360             | 321/346 +<br>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

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

### ELECTRICAL PARAMETERS

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

### PERFORMANCE

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

### INSTALLATION

|                                                            |                       |          |                       |                       |                       |                       |                       |                       |
|------------------------------------------------------------|-----------------------|----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Dimensions (WxHxD)                                         |                       | mm       | (1350x2048x720)<br>x2 | (1350x2048x720)<br>x2 | (1350x2048x720)<br>x2 | (1350x2048x720)<br>x2 | (1350x2048x720)<br>x2 | (1350x2048x720)<br>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                                                     |                       |                                                                                   |                                                                                    |                                                                                     |                                   |                                   |
| Capacity range                                             |                       | HP                                                                                | 50                                                                                 | 52                                                                                  | 54                                | 56                                |
| Cooling                                                    |                       | kW                                                                                | 140.8                                                                              | 146                                                                                 | 151.4                             | 157                               |
| Heating                                                    |                       | kW                                                                                | 158                                                                                | 163                                                                                 | 169.5                             | 176                               |
| ELECTRICAL PARAMETERS                                      |                       |                                                                                   |                                                                                    |                                                                                     |                                   |                                   |
| Phase/Voltage/Frequency                                    |                       |                                                                                   | 3P/380-400V/50-60Hz/N                                                              |                                                                                     |                                   |                                   |
| Cooling                                                    | Rated power input     | kW                                                                                | 37.50                                                                              | 39.37                                                                               | 41.08                             | 43.02                             |
|                                                            | Power input max.      | kW                                                                                | 61.10                                                                              | 70.55                                                                               | 69.96                             | 73.05                             |
|                                                            | Rated current         | A                                                                                 | 61.93                                                                              | 65.01                                                                               | 67.85                             | 71.04                             |
|                                                            | Current max.          | A                                                                                 | 100.70                                                                             | 114.70                                                                              | 114.05                            | 119.00                            |
| Heating                                                    | Rated power input     | kW                                                                                | 38.62                                                                              | 40.05                                                                               | 41.95                             | 43.95                             |
|                                                            | Power input max.      | kW                                                                                | 60.96                                                                              | 59.59                                                                               | 65.07                             | 67.57                             |
|                                                            | Rated current         | A                                                                                 | 63.77                                                                              | 66.14                                                                               | 69.28                             | 72.58                             |
|                                                            | Current max.          | A                                                                                 | 100.80                                                                             | 97.76                                                                               | 107.68                            | 111.88                            |
| EER                                                        |                       |                                                                                   | 3.75                                                                               | 3.71                                                                                | 3.69                              | 3.65                              |
| COP                                                        |                       |                                                                                   | 4.09                                                                               | 4.07                                                                                | 4.04                              | 4.00                              |
| PERFORMANCE                                                |                       |                                                                                   |                                                                                    |                                                                                     |                                   |                                   |
| Airflow                                                    | Heating               | m³/h                                                                              | 44440                                                                              | 44440                                                                               | 48000                             | 48000                             |
|                                                            | Cooling               | m³/h                                                                              | 43200                                                                              | 43480                                                                               | 44440                             | 44440                             |
| Sound pressure level to 1 m                                |                       | dB(A)                                                                             | 66                                                                                 | 66                                                                                  | 66.5                              | 66.5                              |
| Sound power level                                          |                       | dB(A)                                                                             | 84                                                                                 | 84                                                                                  | 85                                | 85                                |
| INSTALLATION                                               |                       |                                                                                   |                                                                                    |                                                                                     |                                   |                                   |
| Dimensions (WxHxD)                                         |                       | mm                                                                                | 1350x1690x720 + (1350x2048x720)x2                                                  | 1350x1690x720 + (1350x2048x720)x2                                                   | 1350x1690x720 + (1350x2048x720)x2 | 1350x1690x720 + (1350x2048x720)x2 |
| Refrigerant/GWP                                            |                       |                                                                                   | R410A/2088                                                                         |                                                                                     |                                   |                                   |
| Refrigerant charge                                         |                       | kg                                                                                | 10+10+10                                                                           | 10+10+10                                                                            | 10+10+10                          | 10+10+10                          |
| Net weight/Gross weight                                    |                       | kg                                                                                | 279/304 + (335/360)x2                                                              | 321/346 + (335/360)x2                                                               | 321/346 + (335/360)x2             | (335/360)x3                       |
| Compressor type                                            |                       |                                                                                   | Scroll                                                                             | Scroll                                                                              | Scroll                            | Scroll                            |
| Tubing                                                     | Liquid pipe diameter  | inches                                                                            | 3/4"                                                                               | 3/4"                                                                                | 3/4"                              | 3/4"                              |
|                                                            | Suction pipe diameter | inches                                                                            | 1"1/2                                                                              | 1"1/2                                                                               | 1"1/2                             | 1"5/8                             |
|                                                            | Oil equalization pipe | inches                                                                            | 3/8"                                                                               | 3/8"                                                                                | 3/8"                              | 3/8"                              |
|                                                            | Max. tube length      | m                                                                                 | 1000                                                                               | 1000                                                                                | 1000                              | 1000                              |
| Max. height between indoor and 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                    |



VRF  
Outdoor units

# FLOWLOGIC III

## 2-PIPES - TOP DISCHARGE

### 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

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

#### ELECTRICAL PARAMETERS

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

#### PERFORMANCE

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

#### INSTALLATION

|                                                            |                       |          |                          |                          |                          |                          |
|------------------------------------------------------------|-----------------------|----------|--------------------------|--------------------------|--------------------------|--------------------------|
| Dimensions (WxHxD)                                         |                       | mm       | (1350x2048x720) x 3      | (1350x2048x720) x 3      | (1350x2048x720) x 3      | (1350x2048x720) x 3      |
| Refrigerant/GWP                                            |                       |          | R410A/2088               |                          |                          |                          |
| Refrigerant charge                                         |                       | kg       | 10+10+10                 | 10+10+10                 | 10+10+10                 | 10+10+10                 |
| Net weight/Gross weight                                    |                       | kg       | (335/360)x2<br>+ 359/384 | 335/360<br>+ (359/384)x2 | 335/360<br>+ (359/384)x2 | 335/360<br>+ (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           |
| <b>POWERS</b>                                              |                   |    |                     |                     |                     |
| Capacity range                                             | HP                |    | 8                   | 10                  | 12                  |
| Cooling capacity                                           | kW                |    | 22.4                | 28                  | 33.5                |
| Heating capacity                                           | kW                |    | 25                  | 31.5                | 37.5                |
| <b>ELECTRICAL PARAMETERS</b>                               |                   |    |                     |                     |                     |
| Phase/Voltage/Frequency                                    |                   |    | 3P/380-400V/50-60Hz | 3P/380-400V/50-60Hz | 3P/380-400V/50-60Hz |
| Cooling                                                    | Rated power input | kW | 4.50                | 6.00                | 7.70                |
|                                                            | Max. power input  | kW | 13.00               | 15.00               | 17.00               |
|                                                            | Rated current     | A  | 7.20                | 9.60                | 12.32               |
|                                                            | Max.current       | A  | 20.79               | 23.99               | 27.19               |
| Heating                                                    | Rated power input | kW | 4.15                | 5.80                | 7.80                |
|                                                            | Max. power input  | kW | 13.00               | 15.00               | 17.00               |
|                                                            | Rated current     | A  | 6.64                | 9.28                | 12.47               |
|                                                            | Max.current       | A  | 20.79               | 23.99               | 27.19               |
| EER/COP                                                    |                   |    | 4.98/6.02           | 4.67/5.43           | 4.35/4.81           |
| <b>PERFORMANCE</b>                                         |                   |    |                     |                     |                     |
| Water flow (HS)                                            | m³/h              |    | 4.8                 | 6                   | 7.2                 |
| Sound pressure level (HS)                                  | dB(A)             |    | 50                  | 51                  | 53                  |
| Sound power level (HS)                                     | dB(A)             |    | 61                  | 62                  | 64                  |
| <b>INSTALLATION</b>                                        |                   |    |                     |                     |                     |
| External dimensions (WxDxH)                                | mm                |    | 775x995x545         | 775x995x545         | 775x995x545         |
| Shipping dimensions (WxDxH)                                | mm                |    | 875x1182x655        | 875x1182x655        | 875x1182x655        |
| Net/Shipping weight                                        | kg                |    | 172/183             | 172/183             | 172/183             |
| Compressor type                                            |                   |    | Scroll DCI          | Scroll DCI          | Scroll DCI          |
| 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               |
| <b>WATER SIDE</b>                                          |                   |    |                     |                     |                     |
| Inlet water connection pipe                                | mm                |    | DN32                | DN32                | DN32                |
| Outlet water connection pipe                               | mm                |    | DN32                | DN32                | DN32                |
| Pressure drop (inlet and outlet)                           | Kpa               |    | 35                  | 50                  | 70                  |
| Connection type                                            |                   |    | inner grooved       | inner grooved       | inner grooved       |
| Max. system water pressure                                 | Mpa               |    | 1.6                 | 1.6                 | 1.6                 |
| Inlet water temperature range (cooling/heating)            | °C                |    | 7°/45°              | 7°/45°              | 7°/45°              |
| <b>CONNECTION RATIO</b>                                    |                   |    |                     |                     |                     |
| Connectable indoor unit ratio                              | %                 |    | 50-130              | 50-130              | 50-130              |
| Maximum number of indoor units                             | unit              |    | 13                  | 16                  | 19                  |



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-<br>HBV007-N11 | AWSI-<br>HBV009-N11 | AWSI-<br>HBV012-N11 | AWSI-<br>HBV016-N11 | AWSI-<br>HBV018-N11 | AWSI-<br>HBV024-N11 | AWSI-<br>HBV030-N11 |
|-----------------------------|--------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Phase                       |        | Single<br>phase     | Single<br>phase     | Single<br>phase     | Single<br>phase     | Single<br>phase     | Single<br>phase     | Single<br>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"                |

# CBV

## CASSETTE 600X600

*Airwell*  
Just feel well



### 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-<br>CBV005-N11 | AWSI-<br>CBV007-N11 | AWSI-<br>CBV009-N11 | AWSI-<br>CBV012-N11 | AWSI-<br>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           |        | 7ACVFH001           | 7ACVFH001           | 7ACVFH001           | 7ACVFH001           | 7ACVFH001           |
| External dimensions (WxHxD) | mm     | 700x60x700          | 700x60x700          | 700x60x700          | 700x60x700          | 700x60x700          |
| Shipping dimensions (WxHxD) | mm     | 740x115x750         | 740x115x750         | 740x115x750         | 740x115x750         | 740x115x750         |
| Net weight/Gross weight     | kg     | 2.8/4.5             | 2.8/4.5             | 2.8/4.8             | 2.8/4.8             | 2.8/4.8             |

### FEATURES

#### TECHNOLOGY:



ELECTRONIC  
EXPANSION VALVE

#### AIR QUALITY / CLEAN:



FRESH AIR

#### USER FUNCTIONS:



I FEEL



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)          | m³/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       |                 | 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



24 H

PROGRAMMABLE TIMER



RESTART

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       | 7SP03H028       |
| RATED POWERS                            |         |                     |                 |                 |                 |
| Cooling                                 | kBtu/h  | 7.5                 | 9.5             | 12.3            | 15.3            |
|                                         | kW      | 2.2                 | 2.8             | 3.6             | 4.5             |
| Heating                                 | kBtu/h  | 8.5                 | 10.9            | 13.6            | 17.1            |
|                                         | kW      | 2.5                 | 3.2             | 4               | 5               |
| ELECTRICAL PARAMETERS                   |         |                     |                 |                 |                 |
| Power supply                            | Ph/V/Hz | 1P/220-230V/50-60Hz |                 |                 |                 |
| PERFORMANCE                             |         |                     |                 |                 |                 |
| Airflow (LS/MS/HS)                      | m³/h    | 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       |

# DBV DUCTED MEDIUM STATIC PRESSURE

*Airwell*  
Just feel well



## 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<br>018-N11 | AWSI-DBV<br>024-N11 | AWSI-DBV<br>028-N11 | AWSI-DBV<br>030-N11 | AWSI-DBV<br>038-N11 | AWSI-DBV<br>048-N11 |
|-----------------------------|--------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Phase                       |        | Single<br>phase     | Single<br>phase     | Single<br>phase     | Single<br>phase     | Single<br>phase     | Single<br>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)          | m³/h   | 699/805/920         | 950/1090/1230       | 950/1090/1230       | 930/1180/1500       | 900/1300/1700       | 1250/1700/2000      |
| Noise level (LS/MS/HS)      | dB(A)  | 36/38/40            | 38/40/42            | 39/43/46            | 38/42/46            | 39/43/46            | 39/44/47            |
| INSTALLATION                |        |                     |                     |                     |                     |                     |                     |
| External dimensions (WxHxD) | mm     | 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-<br>DCV018-N11 | AWSI-<br>DCV024-N11 | AWSI-<br>DCV030-N11 | AWSI-<br>DCV038-N11 | AWSI-<br>DCV048-N11 | AWSI-<br>DCV072-N11 | AWSI-<br>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

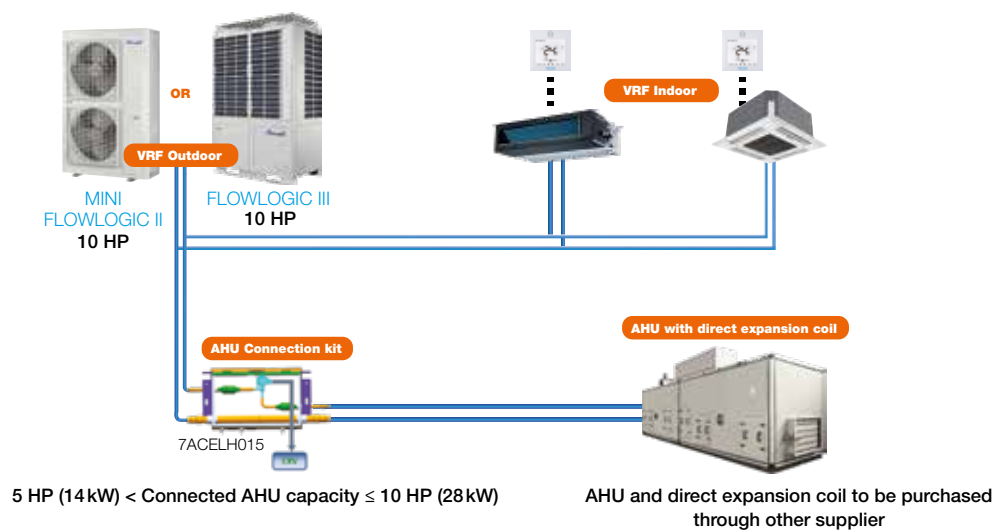


Shopping centres

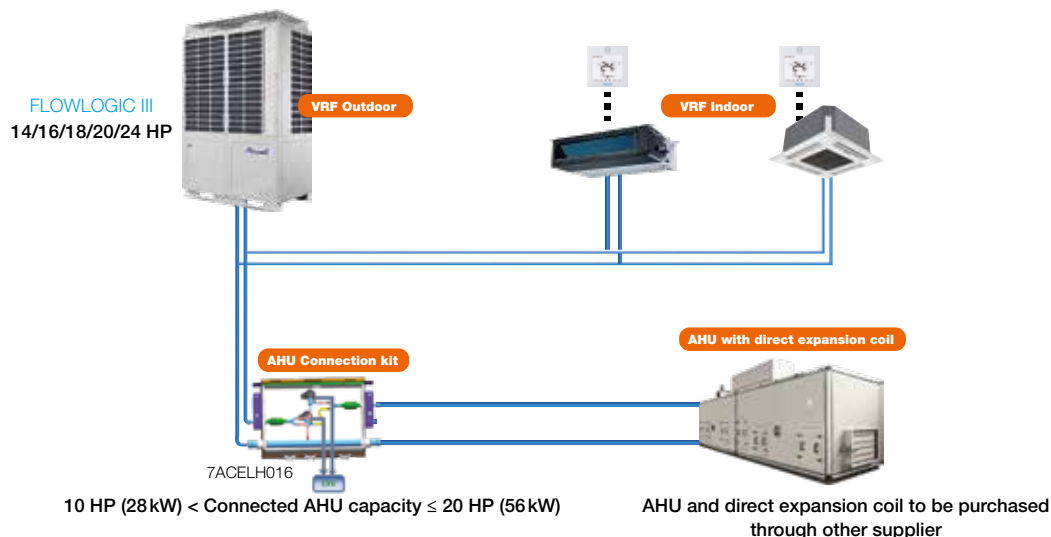


Hospitals

## ■ CONFIGURATION BETWEEN 14 AND 28 KW



## ■ CONFIGURATION BETWEEN 28 AND 56 KW



## VRF OUTDOOR LINE UP

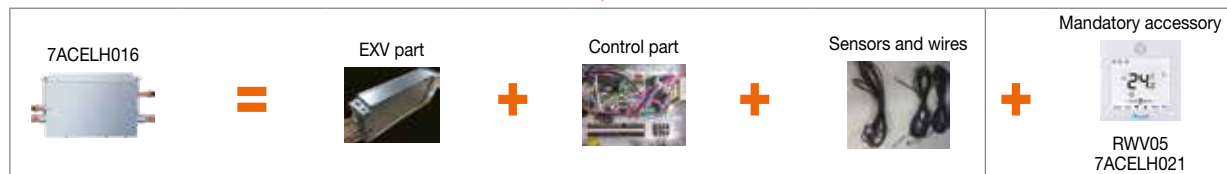
| Outdoor unit | MINI FLOWLOGIC II                                                                 | FLOWLOGIC III                                                                      |
|--------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------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

## AHU KIT CONFIGURATION

Airwell AHU connection kit consists in the following 4 parts:

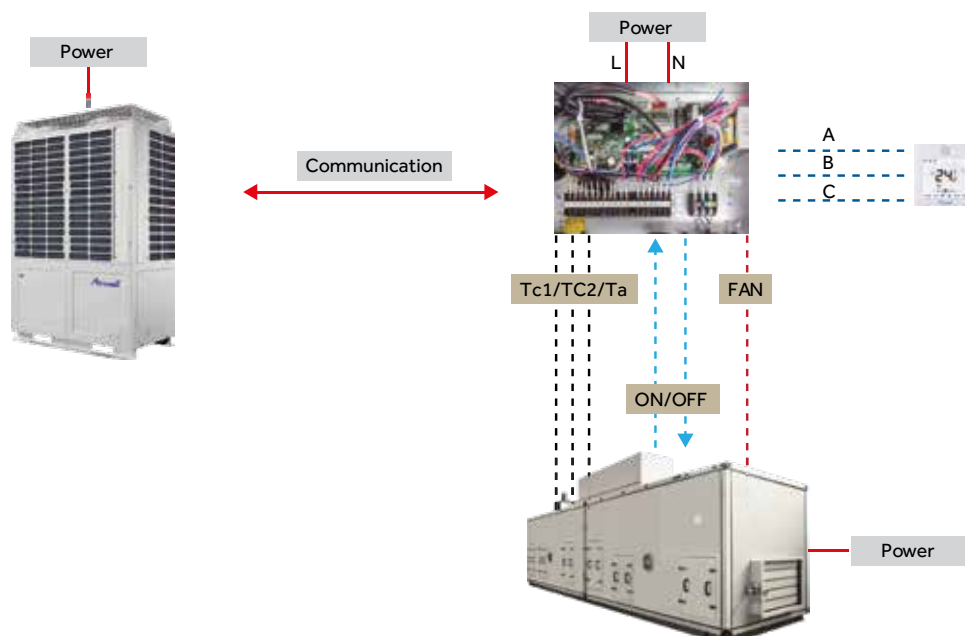


Different Valve ▼ Same Control Parts



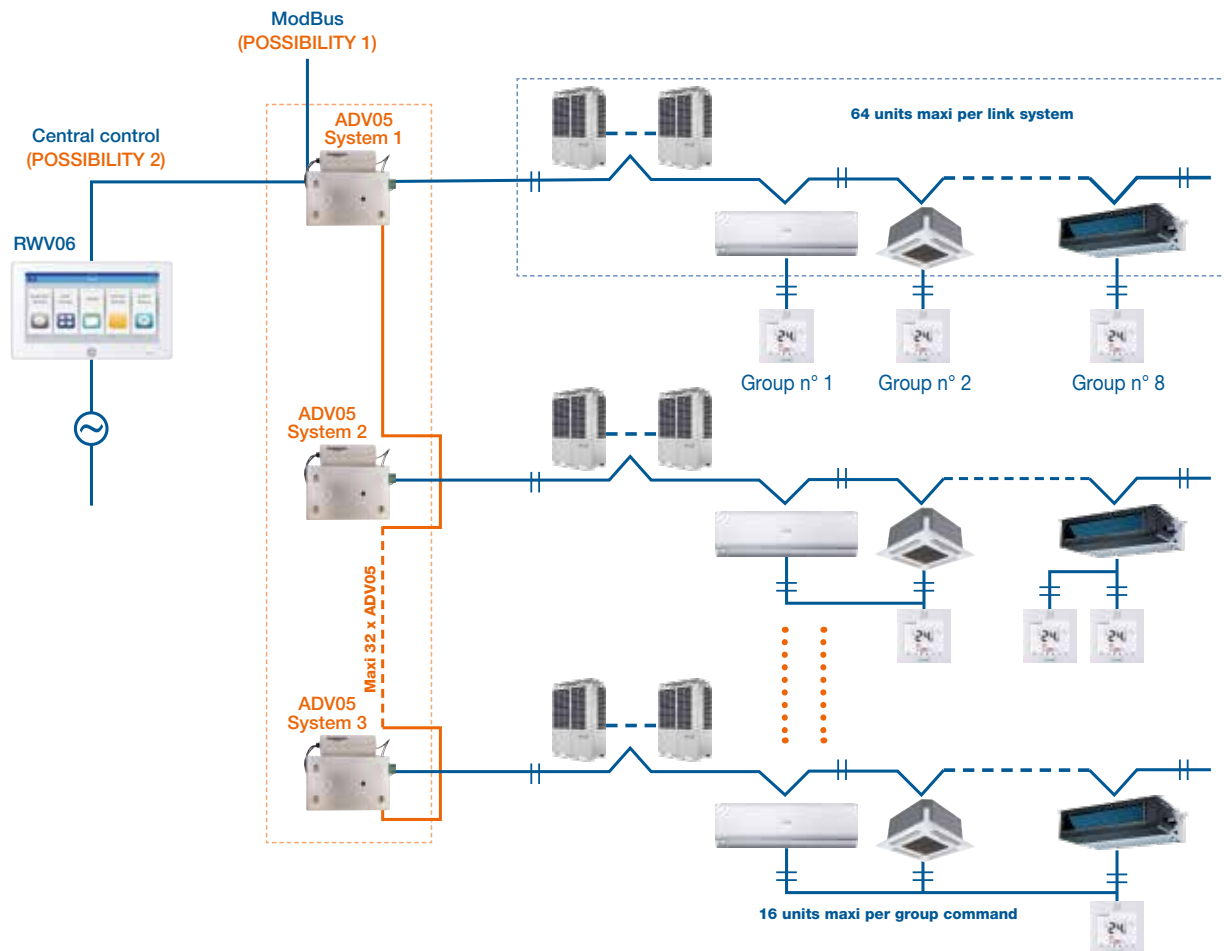
- EXV part, control part, sensor and wire are all integrated in one box.
- Controller need to be purchased separately.
- Temperature control via outlet air sensor on AHU.

## WIRING DIAGRAM



# Central control solutions with ADV05

## ONLY ONE GATEWAY: CENTRAL CONTROL OR MODBUS



## TOUCH SCREEN CENTRAL REMOTE CONTROL RWV06

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

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



### The main functions are:

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

Part number RWV06: 7ACELH023



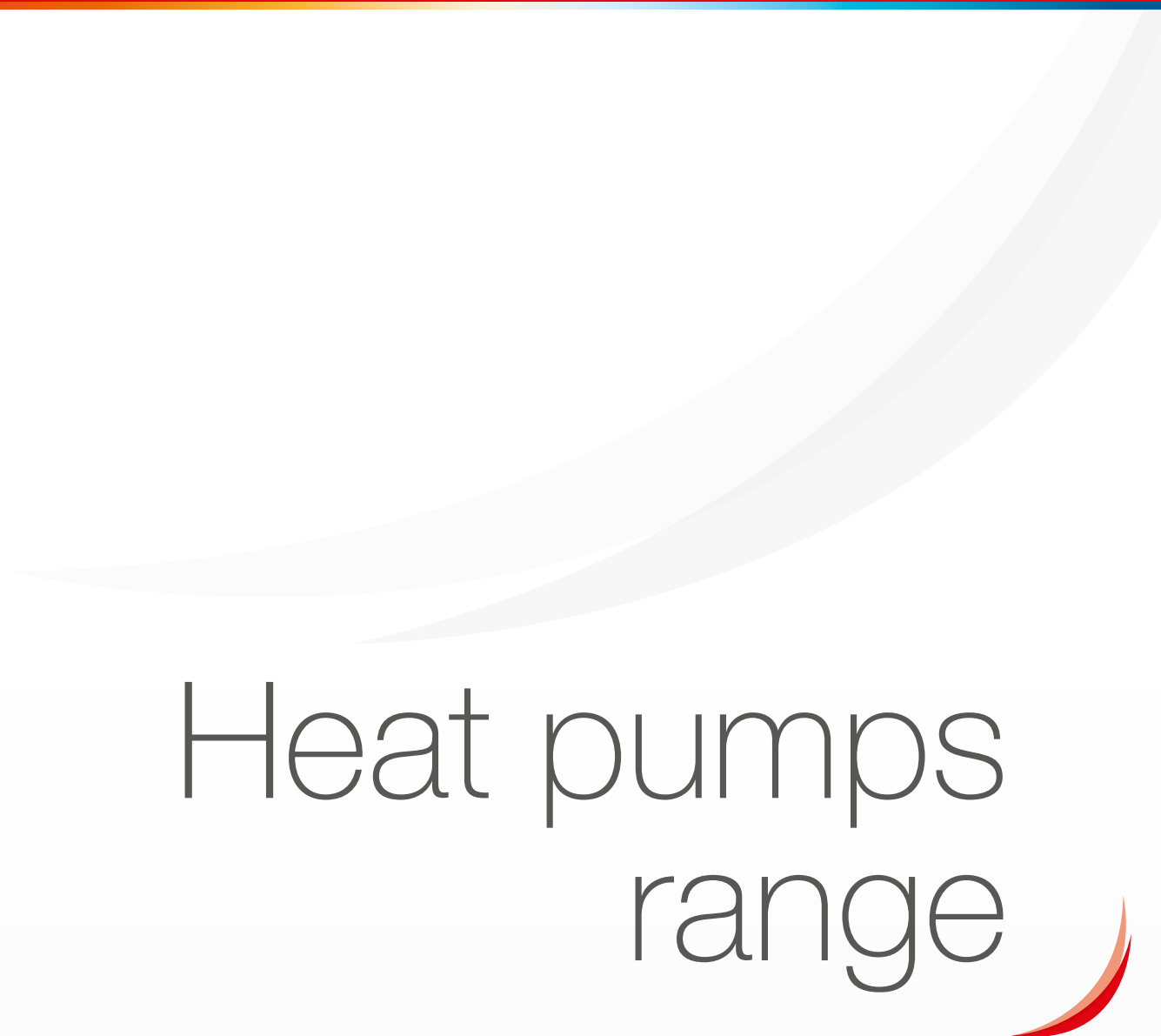
| ACCESSORY NAME              |                                           | Photo                                                                                | Part number | Model |
|-----------------------------|-------------------------------------------|--------------------------------------------------------------------------------------|-------------|-------|
| 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 |
| BMS SOLUTIONS & MAINTENANCE | CENTRAL CONTROLLER "TOUCH SCREEN"         |  | 7ACELH023   | RWV06 |
|                             | 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<br>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<br>FlowLogic III          | ADV05 mandatory.                                                        |
| RWW06 and RWW08 adaptor and ModBus/RTU gateway.                                                                                                                                      | Mini FlowLogic II<br>FlowLogic III          | -                                                                       |
| Working parameters monitoring and recording tool.                                                                                                                                    | Mini FlowLogic II<br>FlowLogic III          | -                                                                       |



## Air to water heat pumps range

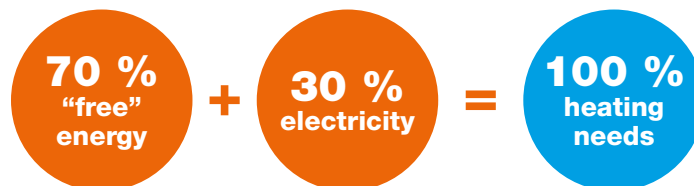
|                                | MODEL NAME                                                                                                  | Fluid type  | Page | Main application           | Mode                | Domestic Hot Water | + Product                      |
|--------------------------------|-------------------------------------------------------------------------------------------------------------|-------------|------|----------------------------|---------------------|--------------------|--------------------------------|
| HEAT PUMP                      | <br><b>WELLEA MONOBLOC</b> | R32         | 112  | Refurbishment              | Cooling and heating | Optional           | Monobloc system                |
|                                | <br><b>WELLEA SPLIT</b>   | R32 - R410A | 116  | New build                  | Cooling and heating | Optional           | Compact solution               |
|                                | <br><b>WELLEA WT</b>     | R32 - R410A | 118  | New build                  | Cooling and heating | Integrated         | Solar energy available         |
| HEAT PUMP WITHOUT OUTDOOR UNIT | <br><b>HOME+</b>         | 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.

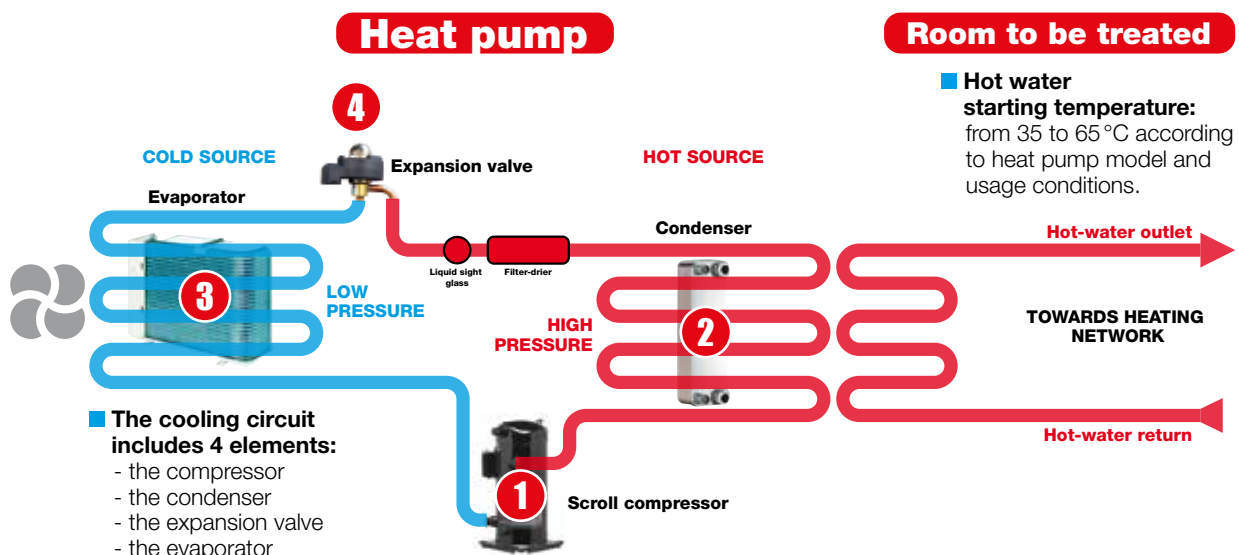


### The advantages of a heat pump at home:

- 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

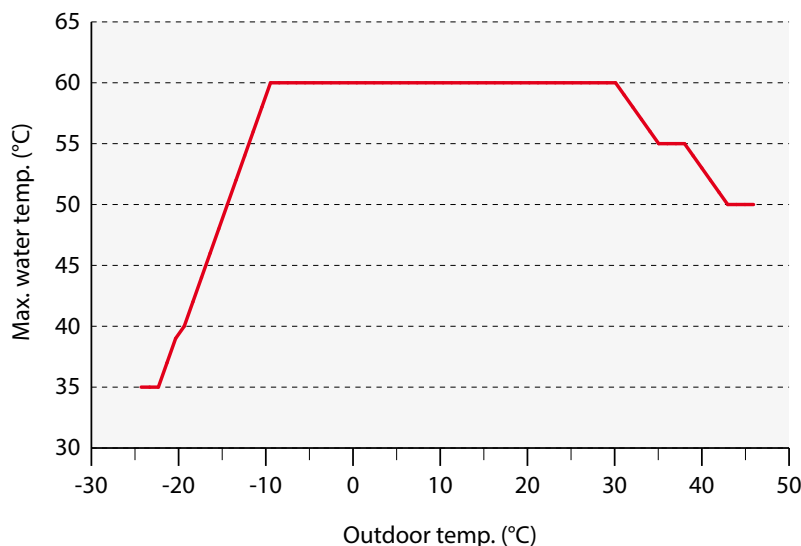
### THE «INSTALLER»

→ 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<br>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<br>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<br>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<br>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<br>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<br>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/<br>class | 176%/A+++        | 176%/A+++     | 177%/A+++     | 169%/A++      | 168%/A++      | 169%/A++      |
|                             | Water outlet to 55 °C | ηs/<br>class | 127%/A++         | 127%/A++      | 126%/A++      | 126%/A++      | 128%/A++      | 128%/A++      |
| SCOP<br>(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<br>(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           | 1210×945×402     |               |               | 1404x1414x405 |               |               |
| Package dimensions (WxHxD)  |                       | mm           | 1500×1140×450    |               |               | 1475x1580x440 |               |               |
| Net weight/Gross weight     |                       | kg           | 92/110           |               |               | 163/183       |               |               |
| Water connection            |                       | inches       | 1" Male          |               |               | 1-1/4" Male   |               |               |



Heat pumps  
Cooling and heating

# WELLEA MONOBLOC

## MONOBLOC HEAT PUMP

### 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<br>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<br>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<br>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<br>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<br>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<br>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/<br>class | 169%/A++         | 168%/A++      | 169%/A++      |
|                             | Water outlet to 55 °C | ηs/<br>class | 126%/A++         | 128%/A++      | 128%/A++      |
| SCOP<br>(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<br>(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<br>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<br>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           | 1404×1414×405    |               |               |
| Package dimensions (WxHxD)  |                       | mm           | 1475×1580×440    |               |               |
| Net weight/Gross weight     |                       | kg           | 177/198          |               |               |
| Water connection            |                       | inches       | 1-1/4" Male      |               |               |





Heat pumps  
Cooling and heating



# WELLEA SPLIT

## SPLIT HEAT PUMP

A+++



MADE IN EUROPE



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<br>04-H91 | AW-YHPS<br>06-H91 | AW-YHPS<br>08-H91 | AW-YHPS<br>10-H91 | PAC-BT-<br>UE-12 kW-<br>H11 | PAC-BT-<br>UE-12 kW-<br>H13 | PAC-BT-<br>UE-14 kW-<br>H11 | PAC-BT-<br>UE-14 kW-<br>H13 | PAC-BT-<br>UE-16 kW-<br>H11 | PAC-BT-<br>UE-16 kW-<br>H13 |
|-----------------------------------|-----------------------|--------|-------------------|-------------------|-------------------|-------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Part number                       |                       |        | 7HP061060         | 7HP061061         | 7HP061062         | 7HP061063         | 7HP061030                   | 7HP061029                   | 7HP061032                   | 7HP061031                   | 7HP061034                   | 7HP061033                   |
| Phase                             |                       |        | Single<br>phase   | Single<br>phase   | Single<br>phase   | Single<br>phase   | Single<br>phase             | Three<br>phase              | Single<br>phase             | Three<br>phase              | Single<br>phase             | Three<br>phase              |
| HEATING MODE                      |                       |        |                   |                   |                   |                   |                             |                             |                             |                             |                             |                             |
| Air +7 °C<br>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<br>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<br>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<br>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<br>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<br>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<br>(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<br>(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<br>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-<br>240V/50Hz        | 3P/380-<br>415V/50Hz        | 1P/220-<br>240V/50Hz        | 3P/380-<br>415V/50Hz        | 1P/220-<br>240V/50Hz        | 3P/380-<br>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



MADE IN EUROPE



PEP  
eco  
PASS  
PORT®



**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



PROGRAMMABLE  
TIMER



WEEK TIMER



REMOTE CONTROL  
LOCK



UNIT ON OUTPUT



HEATING MODE  
OPERATIONAL DOWN  
TO -25°C OUTDOORS



HIGH TEMPERATURE  
UP TO 60°C



DOMESTIC HOT  
WATER



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
- 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

ECONOMIC: HOT SANITARY WATER THANKS TO SOLAR ENERGY



## WELLEA WT TECHNICAL DATA

| Outdoor unit                      |                       |        | AW-YHPS<br>04-H91 | AW-YHPS<br>06-H91 | AW-YHPS<br>08-H91 | AW-YHPS<br>10-H91 | PAC-BT-<br>UE-12 kW-<br>H11 | PAC-BT-<br>UE-12 kW-<br>H13 | PAC-BT-<br>UE-14 kW-<br>H11 | PAC-BT-<br>UE-14 kW-<br>H13 | PAC-BT-<br>UE-16 kW-<br>H11 | PAC-BT-<br>UE-16 kW-<br>H13 |
|-----------------------------------|-----------------------|--------|-------------------|-------------------|-------------------|-------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Part number                       |                       |        | 7HP061060         | 7HP061061         | 7HP061062         | 7HP061063         | 7HP061030                   | 7HP061029                   | 7HP061032                   | 7HP061031                   | 7HP061034                   | 7HP061033                   |
| Phase                             |                       |        | Single<br>phase   | Single<br>phase   | Single<br>phase   | Single<br>phase   | Single<br>phase             | Three<br>phase              | Single<br>phase             | Three<br>phase              | Single<br>phase             | Three<br>phase              |
| HEATING MODE                      |                       |        |                   |                   |                   |                   |                             |                             |                             |                             |                             |                             |
| Air +7 °C<br>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<br>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<br>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<br>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<br>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<br>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<br>(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<br>(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<br>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-<br>240V/50Hz        | 3P/380-<br>415V/50Hz        | 1P/220-<br>240V/50Hz        | 3P/380-<br>415V/50Hz        | 1P/220-<br>240V/50Hz        | 3P/380-<br>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

A<sup>++</sup>



**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



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<sup>++</sup>

## 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                                 |
| <b>HEATING MODE</b>                        |                           |          |                    |                    |                                              |
| Air +7 °C<br>Water 30/35 °C                | Heating capacity          | kW       | 4.20               | 6.15               | 9.54                                         |
|                                            | Power input               | kW       | 1.00               | 1.41               | 2.16                                         |
|                                            | <b>COP</b>                |          | <b>4.20</b>        | <b>4.35</b>        | <b>4.41</b>                                  |
| Air +7 °C<br>Water 40/45 °C                | Heating capacity          | kW       | 4.06               | 5.94               | 9.28                                         |
|                                            | Power input               | kW       | 1.29               | 1.86               | 2.90                                         |
|                                            | <b>COP</b>                |          | <b>3.15</b>        | <b>3.20</b>        | <b>3.19</b>                                  |
| Air +7 °C<br>Water 47/55 °C                | Heating capacity          | kW       | 3.95               | 5.77               | 8.65                                         |
|                                            | Power input               | kW       | 1.60               | 2.35               | 3.50                                         |
|                                            | <b>COP</b>                |          | <b>2.47</b>        | <b>2.46</b>        | <b>2.47</b>                                  |
| Air -7 °C<br>Water 30/35 °C                | Heating capacity          | kW       | 4.08               | 5.95               | 9.35                                         |
|                                            | Power input               | kW       | 1.30               | 1.89               | 2.70                                         |
|                                            | <b>COP</b>                |          | <b>3.14</b>        | <b>3.15</b>        | <b>3.46</b>                                  |
| <b>COOLING MODE</b>                        |                           |          |                    |                    |                                              |
| Air +7 °C<br>Water indoor/outdoor 12/7 °C  | Cooling capacity          | kW       | 3.10               | 4.60               | 6.90                                         |
|                                            | Power input               | kW       | 1.01               | 1.50               | 2.25                                         |
|                                            | <b>EER</b>                |          | <b>3.06</b>        | <b>3.07</b>        | <b>3.06</b>                                  |
| Air +7 °C<br>Water indoor/outdoor 23/18 °C | Cooling capacity          | kW       | 5.40               | 8.10               | 12.15                                        |
|                                            | Power input               | kW       | 1.03               | 1.45               | 2.17                                         |
|                                            | <b>EER</b>                |          | <b>5.26</b>        | <b>5.60</b>        | <b>5.59</b>                                  |
| <b>PERFORMANCE</b>                         |                           |          |                    |                    |                                              |
| 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                                    |
| <b>POWER SUPPLY</b>                        |                           |          |                    |                    |                                              |
| 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                                           |
| <b>INSTALLATION &amp; OTHERS</b>           |                           |          |                    |                    |                                              |
| Airflow                                    |                           | m³/h     | 1500               | 2400               | 3500                                         |
| Refrigerant                                | Type/GWP                  |          | <b>R410A/2088</b>  |                    |                                              |
| 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)<br>45/60 (grid + plenum) |
|                                            | Tank                      | kg       | 60/75              | 70/85              | 70/85                                        |

## ALL HEAT PUMPS ACCESSORIES

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

❶ Mandatory accessory.

## WELLEA MONOBLOC ACCESSORIES

| PART NUMBER                                                                                      | NAME                                                  | FUNCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>(included)  | <b>User interface kit (digital remote controller)</b> | <ul style="list-style-type: none"> <li>- ON/OFF unit, outside heat source.</li> <li>- Operation mode setting: cooling/heating/auto.</li> <li>- DHW setting: fast DHW / holiday / disinfect. / DHW pump setting.</li> <li>- Temperature setting: water outlet temperature, room temperature.</li> <li>- Time setting: 12h/24.</li> <li>- Timer ON/OFF setting, day/weekly.</li> <li>- Display space heating/cooling set temperature, water tank temperature.</li> <li>- Display components status.</li> <li>- Query, malfunction code, parameter.</li> <li>- Test mode setting.</li> </ul> |
| (included)                                                                                       | <b>Thermistor for domestic hot water tank</b>         | DHW temperature control.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <br>7ACFH0662 | <b>300 L domestic hot water tank kit</b>              | Optimised with the operation of the heat pump: <ul style="list-style-type: none"> <li>- Programmable anti-legionella function.</li> <li>- Management of the three-way valve / circulator pump couple.</li> <li>- 3.1 m<sup>2</sup> exchange surface.</li> </ul>                                                                                                                                                                                                                                                                                                                           |
| <br>7ACFH0822 | <b>On-line electric heater - 3kW</b>                  | 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                                                                           |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------|
| <br>7ACFH0825 | <b>Electrical complement kit 2/4/6kW (recommended)</b> | Allows to ensure additional heating via electrical resistance.                     |
| <br>7ACEL1757 | <b>Boiler backup kit</b>                               | Allows to connect a boiler (fuel, gas, wood...).                                   |
| 7ACFH0830                                                                                        | <b>Auxiliary condensate collection tray</b>            | Complementary condensate tray, to increase the maximum condensate recovery volume. |
| <br>7ACEL1732 | <b>RCW15 Thermostat (power supply mandatory)</b>       | Temperature and humidity thermostat / Remote keyboard / weekly timer.              |
| 7ACEL1733                                                                                        | <b>Power supply for RCW15</b>                          | 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.             |
| <br>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<br>type | Page | 190 L | 300 L |
|----------------------------------------------|-------------------------------------------------------------------------------------|---------------|------|-------|-------|
| <b>TDF</b><br>THERMODYNAMIC<br>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),<br>Tw,in 15 °C<br>Tw,in 45 °C                                       | Heating capacity          | kW     | 1.62               | 2.30          |
|                                                                                              | Total power input         | kW     | 0.42               | 0.53          |
|                                                                                              | <b>COP</b>                |        | <b>3.86</b>        | <b>4.34</b>   |
| Toutlet 43/26 °C (DB/WB), Tw,in water<br>10 °C<br>Tw,out 70 °C--> 190<br>Tw,out 65 °C--> 300 | Heating capacity          |        | 2.31               | 3.25          |
|                                                                                              | Total power input         |        | 0.546              | 0.627         |
|                                                                                              | <b>COP</b>                |        | <b>4.23</b>        | <b>5.18</b>   |
| Electrical resistance                                                                        |                           | kW     | 3.00               | 3.00          |
| Phase/Voltage/Frequency                                                                      |                           |        | 1P/220-240V/50Hz   |               |
| Heating time DHW <sup>(1)</sup>                                                              |                           | 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) <sup>(2)</sup>                                 | Energy class of generator |        | <b>A+</b>          | <b>A+</b>     |
|                                                                                              | η <sub>wh</sub>           | %      | 115                | 123           |
|                                                                                              | Annual consumption (AEC)  | kWh    | 890                | 1356          |
|                                                                                              | Daily consumption         | kWh    | 4.22               | 6.34          |
|                                                                                              | <b>COP</b>                |        | <b>2.76</b>        | <b>3.01</b>   |
| Thermodynamic water heaters (warmer climate) <sup>(3)</sup>                                  | η <sub>wh</sub>           | %      | 125                | 143           |
|                                                                                              | Annual consumption (AEC)  | kWh    | 819                | 1173          |
|                                                                                              | Daily consumption         | kWh    | 3.86               | 5.49          |
| Thermodynamic water heaters (cold climate) <sup>(4)</sup>                                    | η <sub>wh</sub>           | %      | 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                                                                       |                           |        | <b>R134a /1430</b> |               |
| Refrigerant charge                                                                           |                           | kg     | 1.10               | 1.50          |
| Fan type                                                                                     |                           |        | Centrifuge         | Centrifuge    |
| Airflow                                                                                      |                           | m³/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"               |               |

1. Inlet water temperature 15°C, storage setpoint 45°C, air source side 15°C DB / 12°C WB.

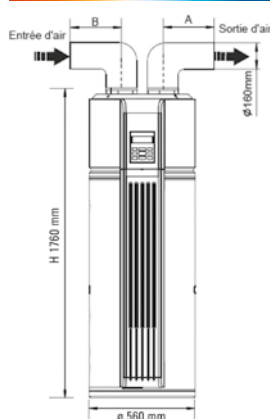
2. The product complies with the European ErP Directive, which includes Delegated Regulations (EU) No. 812/2013 and 814/2013, Medium Climate, Thermodynamic Water Heaters.

3. The product complies with the European ErP Directive, which includes Delegated Regulations (EU) No. 812/2013 and 814/2013, Hot Climate, Thermodynamic Water Heaters.

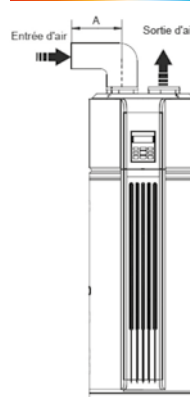
4. The product complies with the European ErP Directive, which includes Delegated Regulations (EU) No. 812/2013 and 814/2013, Cold Climate, Thermodynamic Water Heaters.



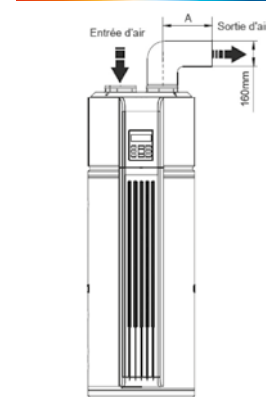
### 1 Entrée et sortie gainée



### 2 Entrée d'air gainée



### 3 Sortie d'air gainée



| Location                 | Heated low volume room<br>( $< 20 \text{ m}^3$ )                                                                                                                     | Low volume room ( $< 20 \text{ m}^3$ )<br>which can be refreshed                                                                                                   | Heated high volume room<br>( $> 20 \text{ m}^3$ )<br>(kitchen, bathroom...)                                                   |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Air inlet and air outlet | <ul style="list-style-type: none"> <li>■ Air inlet: outdoor air or extracted air (exhaust ventilation)</li> <li>■ Air outlet: to adjacent room or outdoor</li> </ul> | <ul style="list-style-type: none"> <li>■ Air inlet: outdoor air or extracted air (exhaust ventilation)</li> <li>■ Air outlet: in the room (ambient air)</li> </ul> | <ul style="list-style-type: none"> <li>■ Air inlet: Ambient air</li> <li>■ Air outlet: To adjacent room or outdoor</li> </ul> |



## Airflow range

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



### + PRODUCTS

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

### FEATURES

PROGRAMMABLE  
TIMER

WEEK TIMER

REMOTE CONTROL  
LOCK

UNIT ON OUTPUT

### THE + «SUSTAINABLE DEVELOPMENT»

→ High performance product with COP > 7

### THE + «USER»

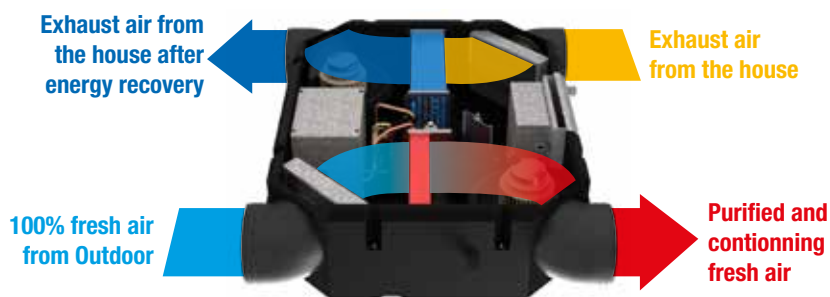
→ Renew the air of the housing by heating or cooling the supply air through a thermodynamic system  
→ Operates using 100% fresh filtered air

### THE + «INSTALLER»

→ Simple to install, thanks to its monobloc system  
→ This unit adapts to any type of home

### THE + «TECHNOLOGY»

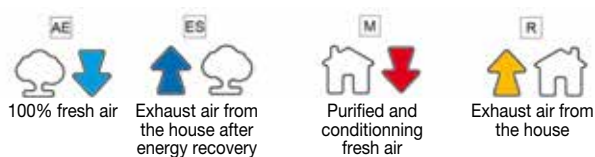
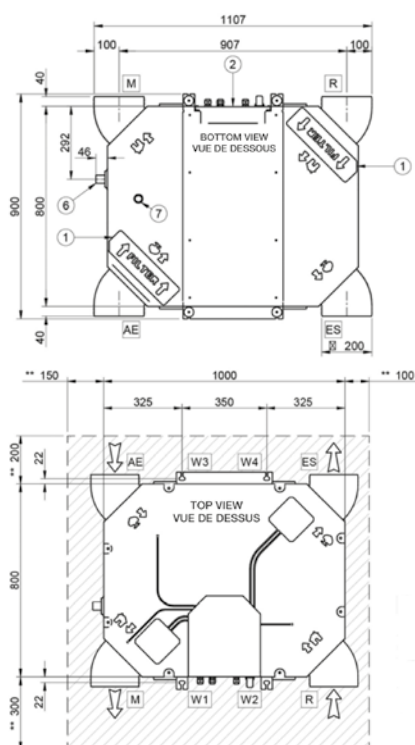
→ Monobloc system  
→ Inverter technology



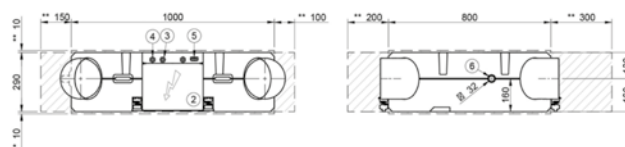
## AIRFLOW 2020 TECHNICAL DATA

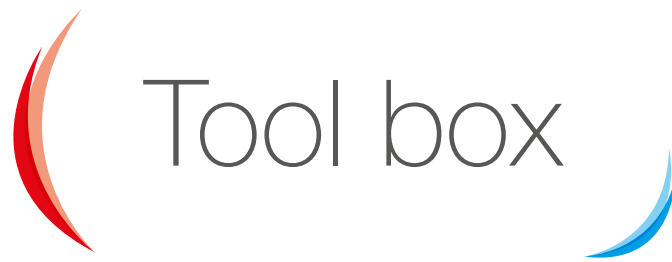
| Model                                 |                  |       | AW-AIRFLOW250-N91 |      |      |      |      |
|---------------------------------------|------------------|-------|-------------------|------|------|------|------|
| Part number                           |                  |       | 7HP080005         |      |      |      |      |
| Phase                                 |                  |       | Single phase      |      |      |      |      |
| Airflow                               |                  | m³/h  | 125               | 150  | 210  | 270  | 350  |
| HEATING MODE                          |                  |       |                   |      |      |      |      |
| Outdoor Air +7 °C<br>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<br>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<br>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<br>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 <sup>(1)</sup>   |                  | 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                           |





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

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

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

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

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

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

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

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

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

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

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

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

- 0,65  $\text{W}/^\circ\text{C m}^3$  new construction
- 0,75  $\text{W}/^\circ\text{C m}^3$  construction after 2000
- 0,9  $\text{W}/^\circ\text{C m}^3$  constructions after 1980
- 1,2  $\text{W}/^\circ\text{C m}^3$  constructions moderately insulated
- 1,8  $\text{W}/^\circ\text{C m}^3$  constructions poorly insulated

**V** = building volume ( $\text{m}^3$ )

**$\Delta T$**  = temperature difference between interior (19 or  $20^\circ\text{C}$ ), 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     |                     |                     |                                          |
|                                 | <b>TOTAL</b> |                     |                     |                                          |
| Zone 2                          | Room n°1     |                     |                     |                                          |
|                                 | Room n°2     |                     |                     |                                          |
|                                 | Room n°3     |                     |                     |                                          |
|                                 | Room n°4     |                     |                     |                                          |
|                                 | Room n°5     |                     |                     |                                          |
|                                 | Room n°6     |                     |                     |                                          |
|                                 | <b>TOTAL</b> |                     |                     |                                          |
| Zone 3                          | Room n°1     |                     |                     |                                          |
|                                 | Room n°2     |                     |                     |                                          |
|                                 | Room n°3     |                     |                     |                                          |
|                                 | Room n°4     |                     |                     |                                          |
|                                 | Room n°5     |                     |                     |                                          |
|                                 | Room n°6     |                     |                     |                                          |
|                                 | <b>TOTAL</b> |                     |                     |                                          |

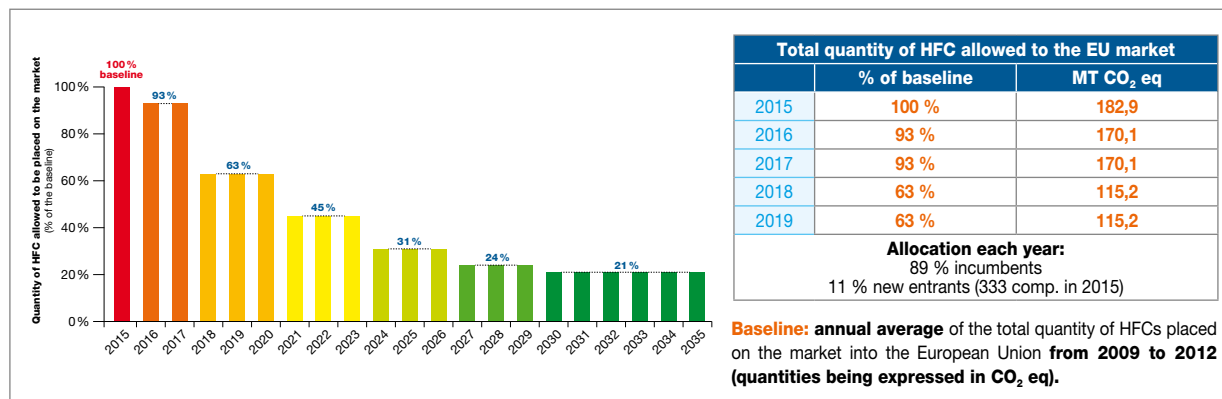
# FGAS

CERTIFICATION

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

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

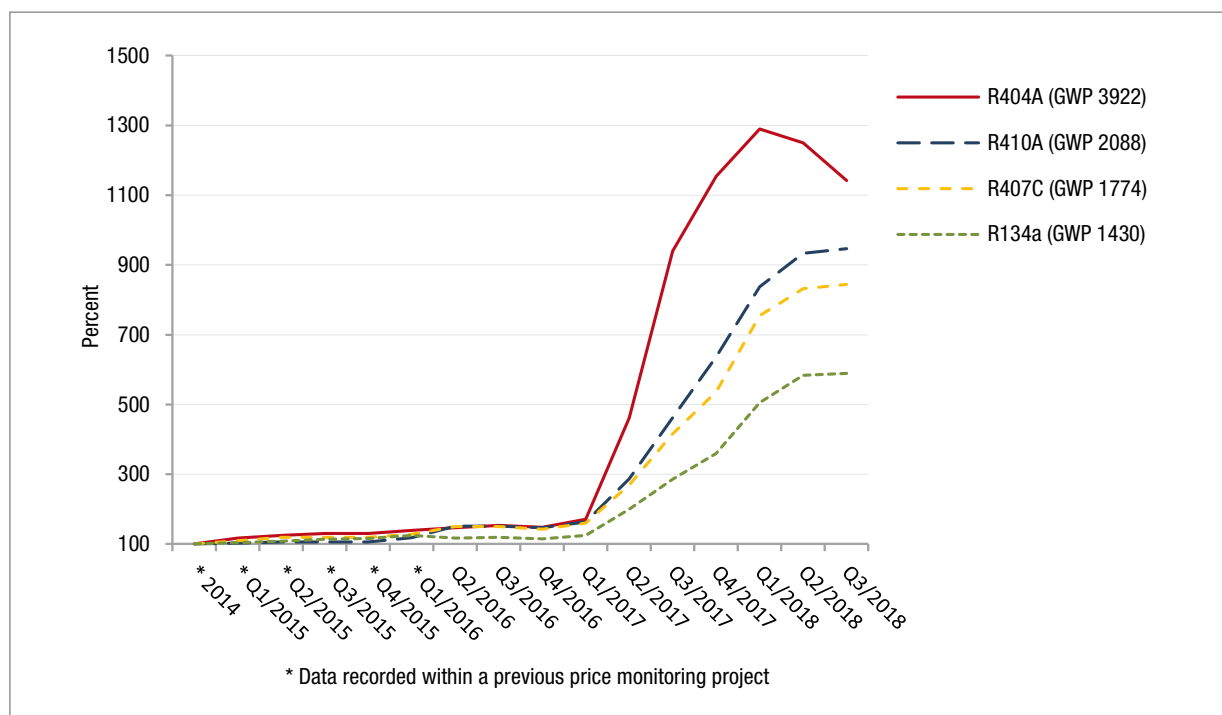
The F-Gas regulation's goal initiated by the european commission is to reduce greenhouse gas emissions in the EU by 80-95 % compared to levels in 1990.



## 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

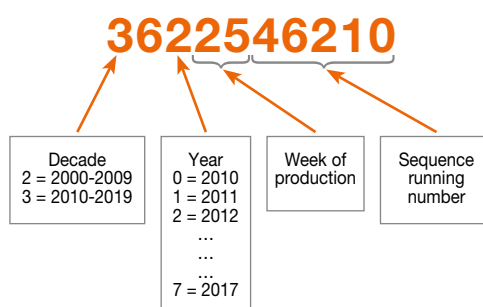
| Brand |         | Type |                  | Type |                        | Technology |                       | Capacity |       |      | Mode |                      | Refrigerant fluid |       | Power supply |              |
|-------|---------|------|------------------|------|------------------------|------------|-----------------------|----------|-------|------|------|----------------------|-------------------|-------|--------------|--------------|
|       |         |      |                  |      |                        |            |                       |          | 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 Floor ceiling / Colonne / Window (indoor unit) |
|           |                 | 02 High wall / Portable (indoor unit)             |
|           |                 | 03 Ducted (indoor unit)                           |
|           |                 | 04 Cassette (indoor unit)                         |
|           |                 | 05 Industrial ducted (indoor unit)                |
|           |                 | 06 Monosplit condensing source (outdoor unit)     |
|           |                 | 07 Dual flow console (indoor unit)                |
|           |                 | 09 Multisplit condensing source (outdoor unit)    |
|           |                 | 10 Water source (outdoor unit)                    |
|           |                 | 11 Industrial ducted (outdoor unit)               |
|           |                 | 12 Vertical cabinet (indoor unit)                 |
|           |                 | 13 Vertical cabinet (outdoor unit)                |
|           |                 | 14 VRF (outdoor unit)                             |

### 3. UNDERSTANDING SERIAL NUMBER

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





## 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).









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