

# Airwell

*Just feel well*

## Products catalogue 2021/2022



RESIDENTIAL AND COMMERCIAL RANGES

# AIRWELL MAKES LIFE EASIER WITH DEDICATED SERVICES

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### TECHNICAL DOCUMENTATION

Find here all the documentation you need

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### INTERNET WEBSITE

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### SELECTION ASSISTANT

■ **3D designer:** simulate in 3D your air conditioning from home



# THE EXPERTISE OF A FRENCH BRAND

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## Our partners













## Our certifications



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Thanks to our free **AirHome** application, available on Android and iOS, enter the Airwell hybrid and connected home!



## CONTROL YOUR HOME WITH YOUR FINGERTIPS



A single application to control your entire home!

By downloading the AirHome application, control your energy devices & products in an optimum way. An all in one app managing your air conditioner, heating, ventilation, domestic hot water and connected objects in the house, which makes your daily life easier (Plug&Play) while saving money.



### Product control

Program all the appliances in the house, set the ideal temperature at different times of the way of life according to your pace of life, manage different scenarios, all this through Air Home to ensure total comfort while saving energy.



### Connectivity

Connect all your devices in a few clicks: your heat pump and other Airwell products, your compatible photovoltaic panels (via AP system).



### Control your consumption

Easily visualize the consumption of your devices according to your uses.



### Solar energy production

Visualize at any time your solar electricity production in a snapshot as well as the history.



### Smart home

Thanks to the Airhome box, you will be able to integrate a large number of objects connected to your home (lamps / thermostatic valves / sensors / shutters). With the ZigBee technology you will not clutter up your Wi-Fi networks.



### Save energy

Make important energy savings without having to think about it, the algorithm of our app automatically optimizes the consumption of your devices by alternating solar and network production.




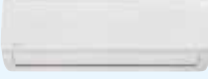






# High wall range

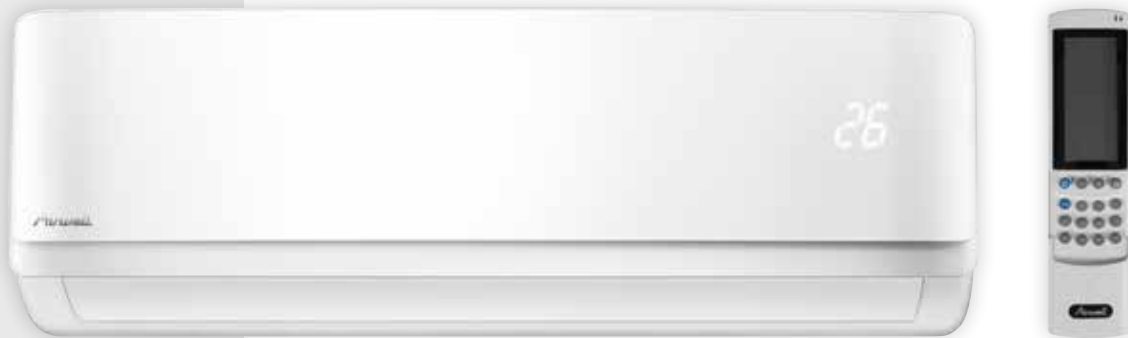


MODEL NAME	Fluid type	Page	kBTU/h kW	9 2.5	12 3.5	18 5	24 7
 HIGH WALL Optimum comfort: ioniser integrated, high filtration, WiFi	<b>HDH Harmonia</b>	R32	10	●	●	●	●
 HIGH WALL Optimal design and comfort: new range of colors, integrated ionizer, high filtration, WiFi	 <b>HDH Harmonia Colour range</b>	R32	12	●	●	●	●
 HIGH WALL Operates with refrigerant with low environmental impact	<b>HKD Horus</b>	R32	14	●	●	●	●



DC Inverter  
Cooling & heating

# HDH HARMONIA HIGH WALL



**A<sup>++</sup>**

**WiFi  
built-in**

## + PRODUCTS

- RC08C remote control included (see page 82)
- Ioniser + high efficiency filtration
- 4D airflow
- High performance
- Clean design
- Weekly programming (optional)
- Dry contact (optional)
- Compatible with the Multisplit YDZC range

## FEATURES

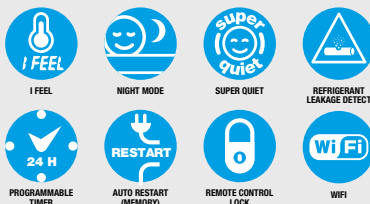
### TECHNOLOGY:



### 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
- Refrigerant leak detection

**A SEER-A+++  
version will be  
available  
in June 2021  
for HDHA 09/12**



### 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 (mandatory with RCW22)	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 HARMONIA 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
<b>COOLING</b>					
Rated power (min./max.)	kW	2.85 (1.02-3.19)	3.53 (0.82-4.16)	5.29 (1.73-6.21)	7.23 (2.58-8.43)
Pdesignc	kW	2.80	3.50	5.30	7.20
Rated power input	kW	0.71	1.09	1.64	2.21
SEER/Energy label		8.23/A++	7.55/A++	6.44/A++	6.44/A++
Operating limits	°C	-15°/50° Dry bulb			
<b>HEATING</b>					
Rated power (min./max.)	kW	2.77 (0.88-3.66)	3.74 (0.85-4.77)	5.38 (1.05-6.97)	8.42 (1.52-9.43)
Pdesignh (average climate)	kW	2.70	2.80	4.00	5.20
Pdesignh (warmer climate)	kW	3.10	3.20	4.40	6.30
Rated power input	kW	0.66	1.01	1.40	2.63
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
<b>INDOOR UNIT</b>					
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
<b>OUTDOOR UNIT</b>					
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
<b>POWER SUPPLY</b>					
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
<b>PIPE LINE</b>					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Max. length	m	25	25	30	50
Max. height	m	10	10	20	25
Refrigerant/GWP		R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg	0.7	0.8	1.25	1.6
Additional charge	g/m	12	12	12	24

## COMBINATIONS

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



DC Inverter  
Cooling & heating

# HDH HARMONIA

## Colour range HIGH WALL



### + PRODUCTS

- RC08C remote control included (see page 82)
- Ioniser + high efficiency filtration
- 4D airflow
- High performance
- Clean design
- Weekly programming (optional)
- Dry contact (optional)
- Compatible with the Multisplit YDZC range

### FEATURES

#### TECHNOLOGY:



4D AIRFLOW



GOLDEN FIN TREATMENT

#### AIR QUALITY/CLEAN:



NANO PHOTOCATALYTIC FILTER



AIR FILTER



AUTO CLEAN/DRY

#### USER FUNCTIONS:



I FEEL



NIGHT MODE



SUPER QUIET



REFRIGERANT LEAKAGE DETECT



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)



REMOTE CONTROL LOCK



WiFi

#### INSTALLER FUNCTIONS:



ERROR CODE VIA INDOOR UNIT



SELF DIAGNOSTIC



LEFT/RIGHT DRAIN 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

### Full set



HDH Harmonia Black Mirror



HDH Harmonia Mirage Grey

### Compose your set

1 Choose the color of your indoor unit



HDH Harmonia Glacier White



HDH Harmonia Mirage Grey

2 Then select the reference of the panel color



### 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
- Refrigerant leak detection
- High performance at -15 °C



### 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 (mandatory with RCW22)	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 HARMONIA Colour range TECHNICAL DATA

Indoor unit Glacier White		AW-HDH009-N91	AW-HDH012-N91	AW-HDH018-N91	AW-HDH024-N91
Indoor unit part number Glacier White		7SP023186	7SP023187	7SP023188	7SP023189
Indoor unit Mirage Grey		AW-HDH009-N91-G	AW-HDH012-N91-G	AW-HDH018-N91-G	AW-HDH024-N91-G
Indoor unit part number Mirage Grey		7SP023211	7SP023212	7SP023213	7SP023214
Indoor unit Black Mirror		-	AW-HDH012-N91-B	AW-HDH018-N91-B	AW-HDH024-N91-B
Indoor unit part number Black Mirror		-	7SP023216	7SP023217	7SP023218
Phase		Single phase	Single phase	Single phase	Single phase
COOLING					
Rated power (min./max.)	kW	2.85 (1.02-3.19)	3.53 (0.82-4.16)	5.29 (1.73-6.21)	7.23 (2.58-8.43)
Pdesignc	kW	2.80	3.50	5.30	7.20
Rated power input	kW	0.71	1.09	1.64	2.21
SEER/Energy label		8.23/A++	7.55/A++	6.44/A++	6.44/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)	5.38 (1.05-6.97)	8.42 (1.52-9.43)
Pdesignh (average climate)	kW	2.70	2.80	4.00	5.20
Pdesignh (warmer climate)	kW	3.10	3.20	4.40	6.30
Rated power input	kW	0.66	1.01	1.40	2.63
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
Panel part number Silver Grey		7ACTL0550	7ACTL0551	7ACTL0552	7ACTL0553
Panel part number Champagne Beige		7ACTL0542	7ACTL0543	7ACTL0544	7ACTL0545
Panel part number Passion Red		-	7ACTL0547	-	-
OUTDOOR UNIT					
Outdoor unit		AW-YHDH009-H91	AW-YHDH012-H91	AW-YHDH018-H91	AW-YHDH024-H91
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	Multisplit
<p>HDH Harmonia Colour range</p> 	<p>YHDH</p> 	<p>YDZC</p> 



DC Inverter  
Cooling & heating

# HKD HORUS HIGH WALL



## + PRODUCTS

- RC08C remote control included (see page 82)
- Discreet digital display
- "I Feel" comfort
- Compatible with the Multisplit YDZC range

## FEATURES

### TECHNOLOGY:



GOLDEN FIN TREATMENT

### AIR QUALITY/CLEAN:



AIR FILTER



AUTO CLEAN/DRY

### USER FUNCTIONS:



I FEEL



NIGHT MODE



REFRIGERANT LEAKAGE DETECT



PROGRAMMABLE TIMER



AUTO RESTART (MEMORY)



REMOTE CONTROL LOCK

### INSTALLER FUNCTIONS:



ERROR CODE VIA INDOOR UNIT



SELF DIAGNOSTIC



LEFT/RIGHT DRAIN CONNECTION



HEATING ONLY MODE

## CERTIFICATION

AIRWELL participates in the ECP programme for AC1. Check ongoing validity of certificate: [www.eurovent-certification.com](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
- Refrigerant leak detection



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



## OPTIONS

Accessory	Part number	Photo	Function
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 HORUS 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
<b>COOLING</b>					
Rated power (min./max.)	kW	<b>2.66 (0.91-3.40)</b>	<b>3.56 (1.11-4.16)</b>	<b>5.29 (1.82-6.13)</b>	<b>7.16 (2.08-7.95)</b>
Pdesignc	kW	<b>2.60</b>	<b>3.50</b>	<b>5.20</b>	<b>7.00</b>
Rated power input	kW	0.79	1.18	1.52	2.59
SEER/Energy label		<b>6.2/A++</b>	<b>6.1/A++</b>	<b>7.1/A++</b>	<b>6.1/A++</b>
Operating limits	°C	-15°/50° Dry bulb			
<b>HEATING</b>					
Rated power (min./max.)	kW	<b>2.93 (0.82-3.37)</b>	<b>3.81 (1.08-4.22)</b>	<b>5.39 (1.38-6.74)</b>	<b>7.16 (1.61-8.79)</b>
Pdesignh (average climate)	kW	<b>2.10</b>	<b>2.30</b>	<b>4.10</b>	<b>4.80</b>
Pdesignh (warmer climate)	kW	<b>2.60</b>	<b>2.70</b>	<b>4.50</b>	<b>6.40</b>
Rated power input	kW	0.74	1.06	1.56	2.43
SCOP/Energy label (average climate)		4/A+	4/A+	4/A+	4/A+
SCOP/Energy label (warmer climate)		<b>4.9/A++</b>	<b>4.6/A++</b>	<b>5.2/A+++</b>	<b>5.0/A++</b>
Operating limits	°C	-20°/30° Dry bulb			
Power @ -10 °C	kW	1.77	2.30	4.10	4.65
Power @ -15 °C	kW	1.42	2.00	3.50	3.72
<b>INDOOR UNIT</b>					
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	<b>21</b> /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		<b>7SP023135</b>	<b>7SP023136</b>	<b>7SP023137</b>	<b>7SP023138</b>
<b>OUTDOOR UNIT</b>					
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		<b>7SP063040</b>	<b>7SP063041</b>	<b>7SP063042</b>	<b>7SP063043</b>
<b>POWER SUPPLY</b>					
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
<b>PIPE LINE</b>					
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		<b>R32/675</b>	<b>R32/675</b>	<b>R32/675</b>	<b>R32/675</b>
Charge (5 m)	kg	0.5	0.5	1	1.6
Additional charge	g/m	12	12	12	24

## COMBINATIONS





Indoor unit	Compatible with outdoor unit	
	Monosplit	Multisplit
High wall		
HKD Horus	 YKD	 YDZC










# Multisplit range



OUTDOOR UNITS		Fluid type	kW	Page
YDZC R32 refrigerant	YDZC218 	R32	5.3	18 & 22
	YDZC327 	R32	7.8	18 & 22
	YDZC436 	R32	8.5	18 & 23
	YDZC542 	R32	12.3	18 & 24

## Combination table

OUTDOOR UNITS		INDOOR UNITS				
		High wall HDH Harmonia	High wall HKD Horus	Ducted medium static pressure DDM	Cassette CDM	Console XDM Hemera
	Max. num. of indoor units					
YDZC218	2	● Sizes 9/12	● Sizes 9/12	● Size 12	● Sizes 9X/12	● Size 12X
YDZC327	3	● Sizes 9/12/18	● Sizes 9/12/18	● Sizes 12/18	● Sizes 9X/12/18	● Sizes 12X/18
YDZC436	4	● Sizes 9/12/18/24	● Sizes 9/12/18/24	● Sizes 12/18	● Sizes 9X/12/18	● Sizes 12X/18
YDZC542	5	● Sizes 9/12/18/24	● Sizes 9/12/18/24	● Sizes 12/18	● Sizes 9X/12/18	● 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:



ELECTRONIC EXPANSION VALVE



GOLDEN FIN TREATMENT

#### INSTALLER FUNCTIONS:



SELF DIAGNOSTIC

### 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
- Refrigerant leak detection



### 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
<b>OUTDOOR UNIT</b>						
Cooling	Rated power (min./max.)	kW	5.20 (1.13-5.56)	7.91 (2.16-8.49)	10.55 (3.64-12.31)	12.31 (2.98-12.60)
	Pdesignc	kW	5.20	8.00	11.00	13.00
	Rated power input	kW	1.61	2.45	3.30	4.32
	SEER/Energy label		6.1/A++	6.2/A++	6.3/A++	6.2/A++
	Operating limits	°C	-15°/50° Dry bulb			
Heating	Rated power (min./max.)	kW	5.48 (1.79-5.86)	8.21 (2.04-9.37)	10.84 (2.85-12.02)	12.30 (2.75-12.60)
	Pdesignh (average climate)	kW	5.00	5.60	9.00	9.20
	Pdesignh (warmer climate)		5.10	5.70	9.10	9.30
	Rated power input	kW	1.37	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	
<b>POWER SUPPLY</b>						
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)	
<b>PIPE LINE</b>						
Suction pipe diameter	inches	2x3/8"	3x3/8"	3x3/8"+1x1/2"	4x3/8"+1x1/2"	
Liquid pipe diameter	inches	2x1/4"	3x1/4"	4x1/4"	5x1/4"	
Max. length	m	40	60	80	80	
Max. length per circuit	m	25	30	35	35	
Max. height between indoor and outdoor units	ODU higher than IDU	m	15	15	15	15
	ODU lower than IDU	m	15	15	15	15
Max. height between indoor units	m	10	10	10	10	
Refrigerant/GWP	kg	R32/675	R32/675	R32/675	R32/675	
Charge	kg	1.25	1.72	2.1	2.4	
Totale length charge	m	15	22.5	30	37.5	
Additional charge	g/m	12	12	12	12	



HIGH WALL  
HDH HARMONIA  
GLACIER WHITE  
9/12/18/24



HIGH WALL  
HDH HARMONIA  
MIRAGE GREY  
9/12/18/24



HIGH WALL  
HDH HARMONIA  
BLACK MIRROR  
12/18/24



### HDH HARMONIA 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	2.85	3.53	5.29	7.23
Heating rated capacity	kW	2.77	3.74	5.38	8.42
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
<b>PIPE LINE</b>					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Code White		7SP023186	7SP023187	7SP023188	7SP023189
Code Mirage Grey		7SP023211	7SP023212	7SP023213	7SP023214
Code Black Mirror		-	7SP023216	7SP023217	7SP023218

HIGH WALL  
HKD HORUS 9/12/18/24



### HKD HORUS 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	2.66	3.56	5.29	7.16
Heating rated capacity	kW	2.93	3.81	5.39	7.16
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
<b>PIPE LINE</b>					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Part number		7SP023135	7SP023136	7SP023137	7SP023138

DUCTED MEDIUM STATIC  
PRESSURE DDM 12/18



## DDM INDOOR UNITS TECHNICAL DATA

Indoor unit		AW-DDM012-N91	AW-DDM018-N91
Phase		Single phase	Single phase
Cooling rated capacity	kW	3.53	5.30
Heating rated capacity	kW	4.10	5.84
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  
HEMERA 12X/18



## CDM & XDM HEMERA 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	3.59	5.30	3.5	4.84
Heating rated capacity	kW	2.9	4.6	5.78	3.8	4.98
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	31/34/39	33/36/41	35/39/42	35/41/43	35/39/42
Sound power level	dB(A)	54	56	56	58	60
Airflow (LS/MS/HS)	m³/h	400/504/580	416/504/617	540/625/720	370/480/512	400/480/560
Dehumidification	l/h	1.2	1.5	2	1.5	2
Outline dimensions (WxHxD)	mm	570x260x570	570x260x570	570x260x570	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



DC Inverter  
Cooling & heating

# YDZC COMBINATIONS

COMPATIBLE WITH

HIGH WALL  
HDH HARMONIA  
GLACIER WHITE  
9/12/18/24



HIGH WALL  
HDH HARMONIA  
MIRAGE GREY  
9/12/18/24



HIGH WALL  
HDH HARMONIA  
BLACK MIRROR  
12/18/24



HIGH WALL  
HKD HORUS  
9/12/18/24



DUCTED MEDIUM  
STATIC PRESSURE  
DDM 12/18



CASSETTE CDM  
9X/12/18



CONSOLE XDM  
HEMERA 12X/18



## YDZC218 MULTISPLIT DUO

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

Based on wall mounted combination



## YDZC327 MULTISPLIT TRIO

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

Based on wall mounted combination



## YDZC436 MULTISPLIT QUATTRO

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

Based on wall mounted combination



DC Inverter  
Cooling & heating

# YDZC COMBINATIONS

COMPATIBLE WITH

HIGH WALL  
HDH HARMONIA  
GLACIER WHITE  
9/12/18/24



HIGH WALL  
HDH HARMONIA  
MIRAGE GREY  
9/12/18/24



HIGH WALL  
HDH HARMONIA  
BLACK MIRROR  
12/18/24



HIGH WALL  
HKD HORUS  
9/12/18/24



DUCTED MEDIUM  
STATIC PRESSURE  
DDM 12/18



CASSETTE CDM  
9X/12/18



CONSOLE XDM  
HEMERA 12X/18



## YDZC542 MULTISPLIT CINCO


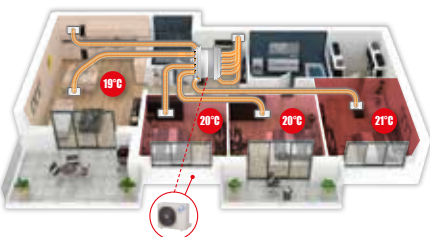
Indoor unit combinations	COOLING												HEATING											
	Rated power (kW)					Total cooling power (kW)			Total Input power (kW)			SEER/ Energy label	Rated power (kW)					Total heating power (kW)			Total Input power (kW)			SCOP/ Energy label
	Unit A	Unit B	Unit C	Unit D	Unit E	Min.	Rated	Max.	Min.	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 kW	12 3.5	18 5	24 7	36 10	45 12.5	60 16
 DUCTED MEDIUM STATIC PRESSURE Designed to fit into tight false ceiling	<b>DDM</b>	R32	26	●	●	●	●	●	●
 ZONE BY ZONE REGULATION The ideal temperature in each room	<b>WELLZONE</b>		28			●			



DDM 012



DDM 018-060



### + PRODUCTS

- RCW11 remote control included (see page 86)
- Low height (200 mm)
- Alarm output and dry contact
- Integrated condensate pump
- Fresh air supply possible
- Multisplit compatible
- Constant flow control

### 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»

→ 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



### OPTIONS






Accessory	Part number	Photo	Function/Description
Wireless controller RC08C	7ACEL1740		Timer, eco mode, "Follow me" option, swing, technician mode, heating only mode.
Wired control RCW26	7ACEL1876		Controls up to 16 units.
Adapter card for RCW26	7ACEL1776		Adapter card for RCW26.
Test tool	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
LCAC WiFi Accessory	7ACEL1883		Accessory for remote control in WiFi.
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
<b>COOLING</b>								
Rated power (min./max.)	kW	3.53 (1.50-4.75)	5.30 (1.49-5.69)	7.05 (3.28-8.16)	10.50 (4.04-12.02)	10.50 (4.04-12.02)	14.18 (4.26-15.19)	15.24 (5.86-17.29)
Pdesignc	kW	3.50	5.30	7.00	10.50	10.50	14.00	15.40
Rated power input	kW	0.95	1.63	2.19	4.18	4.02	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						
<b>HEATING</b>								
Rated power (min./max.)	kW	4.10 (0.97-5.63)	5.84 (2.2-6.15)	7.60 (2.72-8.72)	11.10 (2.81-13.19)	11.10 (2.81-13.19)	15.70 (3.7-18.02)	18.17 (4.69-20.52)
Pdesignh (average climate)	kW	3.20	4.60	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	1.51	1.94	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
<b>INDOOR UNIT</b>								
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
<b>OUTDOOR UNIT</b>								
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	66.8/73.4	81.5/87.0	106.7/119.9
Part number		7SP063050	7SP063051	7SP063052	7SP063053	7SP063054	7SP063055	7SP063056
<b>POWER SUPPLY</b>								
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
<b>PIPE LINE</b>								
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-YMD048-H13	AWAU-YMD060-H13
Part number		7SP062970	7SP062972	7SP062893	7SP062895	-	7SP062899	7SP062900

\* Technical specifications - See R410A documentation. Within the limits of available stocks.

## COMBINATIONS

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

Wellzone: The ideal temperature in each room

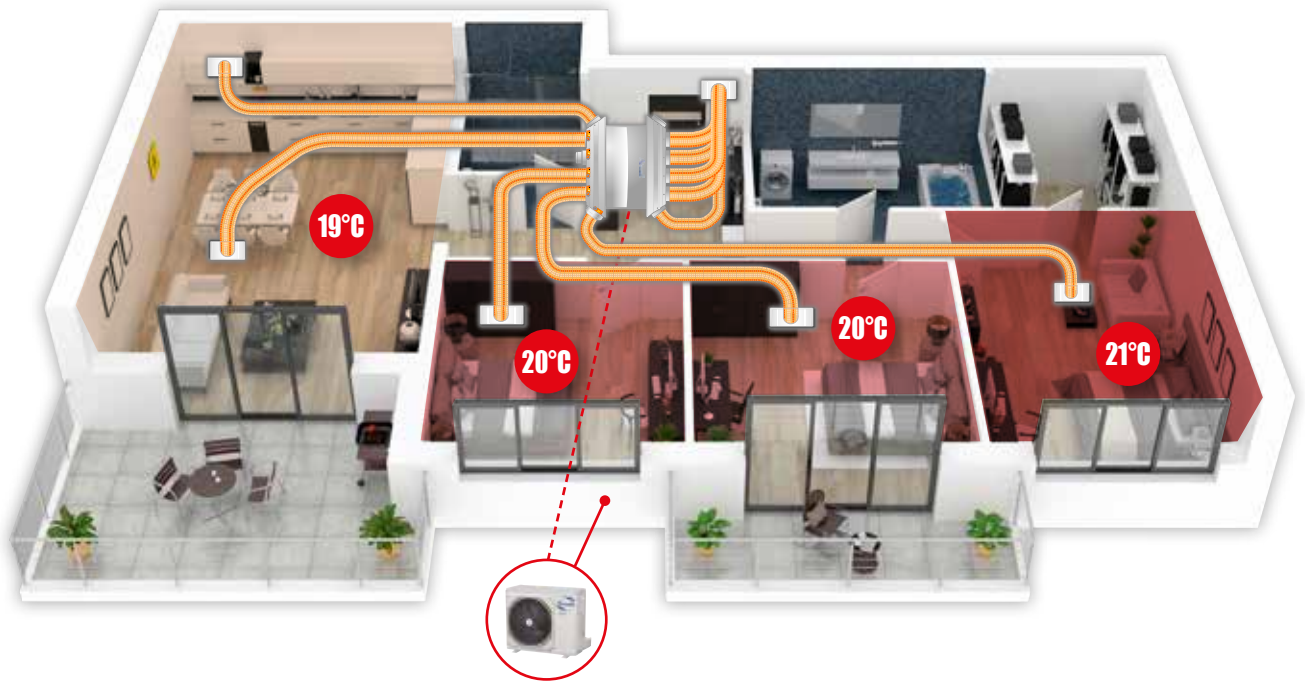
**INFO!**

This solution works with the DDM ducted.

More details on p. 26

- Air/air heat pump: **control up to 6 zones** in heating and cooling mode.
- The air dampers 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 + actuators



Diffusion and return grilles



Ducts



Control system gateway



Thermostats

## Option 1: Your all inclusive solution

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

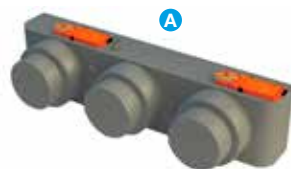
\* Ø2x200, Ø1x250.

## Option 2: Create your Wellzone

Take only the key items of your Wellzone pack (see table below), duct, grilles and plenum not included.

The most economical solution

### CONTENTS OF A CONTROL SYSTEM PACK



Supply air plenum + actuators



Control system gateway




Thermostats

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



# Cassette range



MODEL NAME	Fluid type	Page	kBTU/h kW	9 2.5	12 3.5	18 5	24 7	36 10	48 12.5
 CASSETTE 360° Cassette	CDM	R32	32	● 60 x 60	● 60 x 60	● 60 x 60	● 90 x 90	● 90 x 90	● 90 x 90



DC Inverter  
Cooling & heating

# CDM 360°CASSETTE



CDM 012-018

A<sup>++</sup>



CDM 024-048

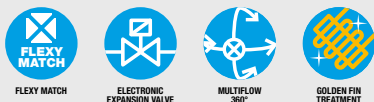


## + PRODUCTS

- RC08C remote control included (see page 82)
- 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:



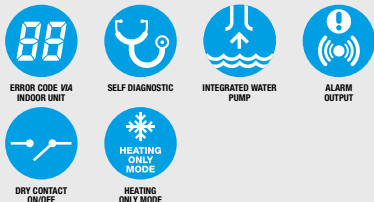
### AIR QUALITY/CLEAN:



### 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<sup>++</sup> (cooling mode)  
/ A<sup>+</sup> (heating mode)

### THE + «USER»

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

### THE + «INSTALLER»

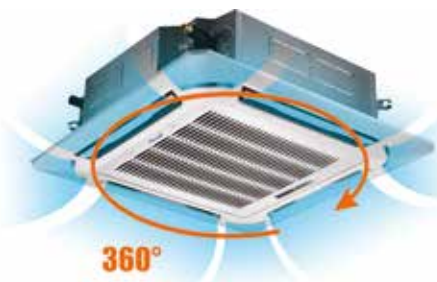
→ Suitable for rooms with limited space  
→ Parameters can be read on the indoor unit

### 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.
Wired control RCW26	7ACEL1876		Controls up to 16 indoor units.
Adapter card for RCW26	7ACEL1776		Adapter card for RCW26.
Test tool	7ACEL1710		Easy viewing of system parameters, failure records and parameter adjustments.
LCAC WiFi Accessory	7ACEL1883		Accessory for remote control in WiFi.










## 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
<b>COOLING</b>								
Rated power (min./max.)	kW	2.6 (0.8-3.3)	3.59 (1.52-5.38)	5.30 (2.9-5.45)	7.05 (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	10.50	10.50	14.00
Rated power input	kW		0.83	1.65	2.39	4.01	3.72	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
<b>HEATING</b>								
Rated power (min./max.)	kW	2.9 (0.85-3.7)	4.6 (1.03-5.57)	5.78 (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		3.10	4.70	5.40	8.80	8.10	11.20
Pdesignh (warmer climate)	kW		3.50	5.30	5.90	10.50	10.50	12.20
Rated power input	kW		1.10	1.50	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	4.23	5.93	9.11	9.88	11.3
Power @ -15°C	kW		3.66	4.15	5.56	8.53	9.25	10.61
<b>INDOOR UNIT</b>								
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
<b>FRAME</b>								
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
<b>OUTDOOR UNIT</b>								
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
<b>POWER SUPPLY</b>								
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
<b>PIPE LINE</b>								
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-YMD048-H13
Part number		-	7SP062970	7SP062972	7SP062893	7SP062895	-	7SP062899

\* Technical specifications - See R410A documentation. Within the limits of available stocks.





## COMBINATIONS

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



# Floor ceiling, Console & Floor standing ranges



MODEL NAME	Fluid type	Page	kBTU/h kW	12 3.5	18 5	24 7	36 10	48 12.5	60 16
 <b>FDM</b> FLOOR CEILING Large scope air	R32	36			●	●	●	●	●
 <b>FWDB</b> LOW TEMPERATURE FLOOR CEILING Dedicated design for low temperature rooms	R32	38			●	●			
 <b>XDM Hemera</b> CONSOLE DUAL FLOW Ideal solution for replacement of electric heaters	R32	40		●	●				
 <b>SDM</b> FLOOR STANDING High volume room	R410A	42						●	

Floor ceiling, console  
and floor standing



**A<sup>++</sup>**

### + PRODUCTS

- RC08C remote control included (see page 82)
- Alarm output and dry contact
- Long air supply distance up to 11 m
- R32/R410A compatible
- 4D airflow

### 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»

→ Wide air distribution for large room volume

### THE «INSTALLER»

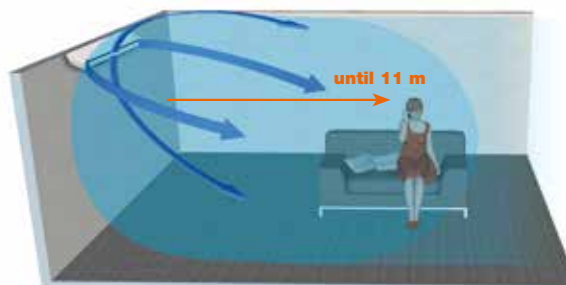
→ Parameters can be read on the indoor unit

### 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.
Wired control RCW26	7ACEL1876		Controls up to 16 indoor units.
Adapter card for RCW26	7ACEL1776		Adapter card for RCW26.
Test tool	7ACTL1710		Easy viewing of system parameters, failure records and parameter adjustments.
Water pump Mini Flowwatch MF2	7ACTL0517		Evacuate condensates from indoor units.
LCAC WiFi Accessory	7ACEL1883		Accessory for remote control in WiFi.

## 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
<b>COOLING</b>							
Rated power (min./max.)	kW	5.40 (2.71-5.57)	7.05 (3.22-8.29)	10.55 (3.93-12.02)	10.55 (3.93-12.02)	14.26 (4.96-15.11)	16.70 (5.28-17.0)
Pdesignc	kW	5.40	7.00	10.50	10.50	14.20	16.70
Rated power input	kW	1.62	2.33	4.34	3.89	5.49	5.95
SEER/Energy label		6.7/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++	6.1/A++
Operating limits	°C	-15°/50° Dry bulb					
<b>HEATING</b>							
Rated power (min./max.)	kW	5.76 (2.42-6.3)	7.10 (2.72-8.65)	11.14 (2.81-13.48)	11.14 (2.81-13.95)	15.8 (3.81-18.07)	17.86 (4.4-19.64)
Pdesignh (average climate)	kW	4.90	5.40	8.70	9.10	11.50	12.20
Pdesignh (warmer climate)	kW	5.00	5.50	10.70	10.70	12.00	13.00
Rated power input	kW	1.52	2.08	3.04	3.00	5.00	5.72
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	6.20	9.00	9.00	11.00	13.00
Power @ -15°C	kW	4.18	5.60	8.50	8.50	10.30	12.10
<b>INDOOR UNIT</b>							
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
<b>OUTDOOR UNIT</b>							
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
<b>POWER SUPPLY</b>							
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
<b>PIPE LINE</b>							
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-YMD048-H13	AWAU-YMD060-H13
Part number		7SP062972	7SP062893	7SP062895	-	7SP062899	7SP062900

\* Technical specifications - See R410A documentation. Within the limits of available stocks.

## COMBINATIONS

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



### + PRODUCTS

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

### FEATURES

#### TECHNOLOGY:



ELECTRONIC EXPANSION VALVE

#### AIR QUALITY/CLEAN:



FRESH AIR

#### USER FUNCTIONS:



I FEEL



NIGHT MODE



24 H

PROGRAMMABLE TIMER



RESTART

(MEMORY)



REMOTE CONTROL LOCK

#### INSTALLER FUNCTIONS:



ERROR CODE VIA INDOOR UNIT



SELF DIAGNOSTIC



LEFT/RIGHT DRAIN CONNECTION



ALARM OUTPUT



DRY CONTACT ON/OFF



TECHNICIAN TEST MODE

### 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 indoor unit is more compact and lighter than the previous version, allowing it to be easily integrated even in small spaces.

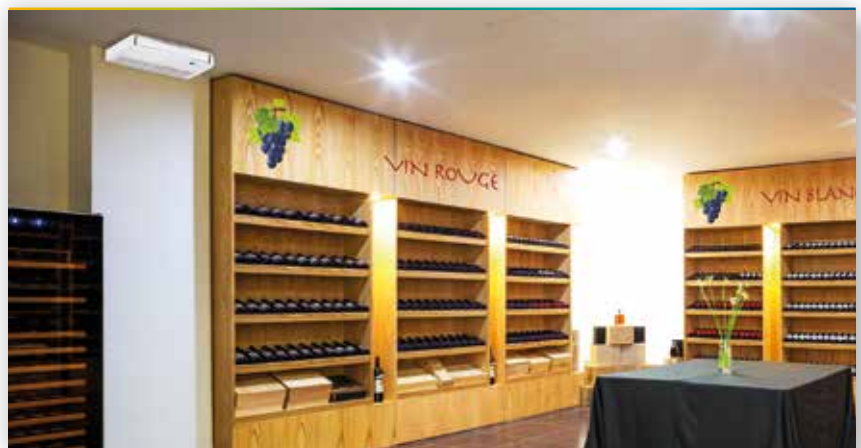
→ With an optimized air flow rate, the desired temperature can be achieved more quickly.

### 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		AW-FWDB018-N91	AW-FWDB024-N91
Outdoor unit		AW-YMDB018-H91	AW-YMDB024-H91
Phase		Single phase	Single phase
<b>COOLING</b>			
Rated power (min./max.)	kW	5.3 (2.0-5.6)	7.0 (2.9-8.0)
Pdesignc	kW	5.3	7
Rated power input	kW	1.495	2.093
SEER/Energy label		6.1/A++	6.1/A++
Operating limits	°C	-15°/50° Dry bulb	
<b>INDOOR UNIT</b>			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	36/42/47	36/42/47
Sound power level	dB(A)	52	52
Airflow (LS/MS/HS)	m³/h	900/1050/1200	900/1050/1200
Dehumidification	l/h	1.8	2.4
Outline dimensions (WxHxD)	mm	1050×675×235	1050×675×235
Package dimensions (WxHxD)	mm	1130×765×330	1130×765×330
Net weight/Gross weight	kg	26.5/31	26.5/31
Part number		7SP012290	7SP012291
<b>OUTDOOR UNIT</b>			
Sound pressure level to 1 m	dB(A)	52	54
Sound power level	dB(A)	66	68
Airflow	m³/h	1950	3200
Compressor type		Single Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	880×555×345	935×702×382
Package dimensions (WxHxD)	mm	920×600×380	975×770×435
Net weight/Gross weight	kg	32.5/35	48.7/52.6
Part number		7SP063114	7SP063115
<b>POWER SUPPLY</b>			
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz
Power supply side		Outdoor	Outdoor
Power cable section	mm²	3×2.5	3×2.5
Fuse rating am (D curve)	A	16	18
Electrical connections	mm²	4×1.5	4×1.5
<b>PIPE LINE</b>			
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	1.2	1.45
Additional charge	g/m	12	24

## COMBINATIONS

Indoor unit	Compatible with outdoor unit
Floor ceiling	Monosplit
FWDB 	YMDB 



DC Inverter  
Cooling & heating

# XDM HEMERA CONSOLE DUAL FLOW



## + PRODUCTS

- RC08C remote control included (see page 82)
- 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 control RCW26	7ACEL1876		Controls up to 16 indoor units.
Adapter card for RCW26	7ACEL1776		Adapter card for RCW26.
Wired single control RCW22 (XDM018)	7ACEL1778		Weekly timer, mode, fan speed, timer On/Off, "I Feel" function, temperature.
LCAC WiFi Accessory (XDM018)	7ACEL1883		Accessory for remote control in WiFi.



XDM HEMERA TECHNICAL DATA		Multisplit configuration only	
Indoor unit		AW-XDM012X-N91*	AW-XDM018-N91
Outdoor unit R32		-	AW-YDFA018-H91
Phase		Single phase	Single phase
<b>COOLING</b>			
Rated power (min./max.)	kW	3.5 (0.8-3.8)	4.84 (2.64 - 4.98)
Pdesignc	kW		4.80
Rated power input	kW		1.65
SEER/Energy label			6.3/A++
Operating limits	°C	-15°/50° Dry bulb	
<b>HEATING</b>			
Rated power (min./max.)	kW	3.8 (0.4-4.3)	4.98 (2.20 - 5.5)
Pdesignh (average climate)	kW		4.00
Pdesignh (warmer climate)	kW		4.50
Rated power input	kW		1.40
SCOP/Energy label (average climate)			4/A+
SCOP/Energy label (warmer climate)			5.1/A+++
Operating limits	°C	-15°/24° Dry bulb	
Power @ -10°C	kW		3.72
Power @ -15°C	kW		3.00
<b>INDOOR UNIT</b>			
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
<b>OUTDOOR UNIT</b>			
Sound pressure level to 1 m	dB(A)		55
Sound power level	dB(A)		62
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
<b>POWER SUPPLY</b>			
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
<b>PIPE LINE</b>			
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			<b>R32/675</b>
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. Within the limits of available stocks.

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



DC Inverter  
Cooling & heating

# SDM FLOOR STANDING



## + PRODUCTS

- RC09 remote control included (see page 84)
- 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>		Single phase
<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 kW	9 2.5	12 3.5
 PORTABLE Cooling mode only	MFH Maui R290	46		●	●
 PORTABLE Cooling and heating mode	MFR Maui R290	47			●
 WINDOW Prefabricated buildings solution	WFD R32	48		●	●
 MONOBLOC CONSOLE Solution without outdoor unit	XDA R32	49		●	



Fixed speed  
Cooling only

# MFH MAUI

## PORTABLE

A<sup>+</sup>



### + PRODUCTS

- RC08C remote control included (see page 82)
- Compact & design
- Economical and efficient (MFH10: 3.10/A+)

### 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 reading thanks to its digital display on the control panel
- Remotely controllable with RC unit
- Great comfort thanks to its cooling power

### THE «TECHNOLOGY»

- Sealing kit included
- Evacuation of condensates by evaporation

### MFH MAUI TECHNICAL DATA

Indoor unit		AW-MFH010-C41	AW-MFH012-C41
Phase		Single phase	Single phase
<b>COOLING</b>			
Rated power	kW	<b>2.93</b>	<b>3.52</b>
Rated power input	kW	0.945	1.357
Current	A	4.5	5.9
EER/Energy label		<b>3,10/A+</b>	2,60/A
Operating limits	°C	17°/35° Dry bulb	
<b>INDOOR UNIT</b>			
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		<b>7MB021060</b>	<b>7MB021061</b>
<b>POWER SUPPLY</b>			
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz
<b>PIPE LINE</b>			
Refrigerant/GWP		<b>R290/20</b>	<b>R290/20</b>
Charge	kg	0.21	0.22

\* Packing 8 pieces minimum



Optimal comfort:  
reversible solution



### THE + «SUSTAINABLE DEVELOPMENT»

→ Environmentally friendly R290 fluid

### THE + «USER»

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

### THE + «TECHNOLOGY»

- Sealing kit included
- Evacuation of condensates by evaporation

### + PRODUCTS

- RC08C remote control included (see page 82)
- Compact & design
- Reversible product (cooling/heating)

### FEATURES

#### AIR QUALITY/CLEAN:



#### USER FUNCTIONS:



#### INSTALLER FUNCTIONS:



### MFR MAUI 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



DC Inverter  
Cooling only

# WFD WINDOW

Unique solution



## + PRODUCTS

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

## FEATURES

### USER FUNCTIONS:



NIGHT MODE



AUTO RESTART  
(MEMORY)

### INSTALLER FUNCTIONS:



SELF DIAGNOSTIC

### THE «SUSTAINABLE DEVELOPMENT»

→ R32 ecological fluid, low energy consumption

### THE «USER»

→ Ideal for modular construction

### THE «INSTALLER»

→ Ease of installation

### THE «TECHNOLOGY»

→ Inverter technology

## WFD TECHNICAL DATA

Indoor unit		AWWR-WFD009-C11	AWWR-WFD012-C11
Phase		Single phase	Single phase
<b>COOLING</b>			
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	
<b>INDOOR UNIT</b>			
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
<b>POWER SUPPLY</b>			
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
<b>PIPE LINE</b>			
Refrigerant/GWP		R32/675	R32/675
Charge	kg	0.51	0.63





### THE + «SUSTAINABLE DEVELOPMENT»

→ Ecological fluid R32, low energy consumption

### THE + «USER»

→ Ideal for modular constructions

→ Connected solution (WiFi with Airconnect Smart)

### THE + «INSTALLER»

→ Ease of installation

→ Plug & Play

### THE + «TECHNOLOGY»

→ Inverter technology

→ Monobloc (no outdoor unit)

### + PRODUCTS

- Remote control included XDA RC
- Monobloc solution
- Reversible product (cold/hot)
- No outdoor unit
- No fluid handling

### FEATURES

#### AIR QUALITY / CLEAN:



NANO  
PHOTOCATALYTIC  
FILTER



AIR FILTER

#### USER FUNCTIONS:



NIGHT MODE



SUPER QUIET



AUTO RESTART  
(MEMORY)



WiFi

#### INSTALLER FUNCTIONS:



ERROR CODE VIA  
INDOOR UNIT





SELF DIAGNOSTIC

### XDA TECHNICAL DATA

Indoor unit		AW-XDA009-N91
Phase		Single phase
<b>COOLING</b>		
Rated power	kW	<b>2.35 (1.5~3.0)</b>
Rated power input	kW	0.90
EER/Energy label		2.61/A
Operating limits	°C	-10°/43° Dry bulb
<b>HEATING</b>		
Rated power	kW	<b>2.36 (1.0~2.8)</b>
Rated power input	kW	0.76
COP/Energy label		3.11/A
Operating limits	°C	-15°/24° Dry bulb
<b>INDOOR UNIT</b>		
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	29/46/48
Sound power level	dB(A)	56
Airflow	m³/h	480
Dehumidification	l/h	0.04
Outline dimensions (WxHxD)	mm	615x965x200
Package dimensions (WxHxD)	mm	765x1030x280
Net weight/Gross weight	kg	36,2/40,2
Part number		<b>7SP071430</b>
<b>POWER SUPPLY</b>		
Phase/Voltage/Frequency		1P/220-240V/50Hz
Power cable section	mm²	3x2.5
Fuse rating am (D curve)	A	10
<b>PIPE LINE</b>		
Refrigerant/GWP		<b>R32/675</b>
Charge	kg	0.39



# Water range

MODEL NAME	Fluid type	Page	kBTU/h kW	9 2.5	12 3.5	18 5	24 7
 <b>WATER CONSOLE</b> Monobloc, cooling and heating mode	<b>XDO</b>	R410A	52	●	●		
 <b>WATER SOURCE</b> Split system	<b>GCAO + HHFO/ CAF/ DAF</b>	R410A	54	●	●	●	●



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
<b>COOLING</b>			
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	
<b>HEATING</b>			
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	
<b>INDOOR UNIT</b>			
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
<b>POWER SUPPLY</b>			
Phase/Voltage/Frequency		1P/220-240V/50Hz	1P/220-240V/50Hz
Power supply side		Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5
Fuse rating am (D curve)	A	6	6
<b>PIPE LINE</b>			
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.

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Fixed speed  
Cooling only

# GCAO WATER SOURCE

Unique  
solution

No outdoor  
unit



RC08A included  
with HHFO and  
CAF



RCWE included  
with DAF

## + PRODUCTS

- RC08A remote control included with HHFO and CAF
- RCWE remote control included with DAF
- Solution without outdoor unit
- Split
- Compact design
- Large choice of indoor units

## FEATURES

### AIR QUALITY/CLEAN:



AUTO  
AUTO CLEAN/DRY

### INSTALLER FUNCTIONS:



NIGHT MODE



RESTART  
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  
HHFO

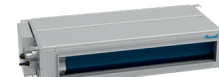


CASSETTE CAF



+ adaptor

DUCTED MEDIUM  
STATIC PRESSURE DAF



+ adaptor

## OPTIONS

Accessory	Part number	Photo	Function
Additional adaptor refer to all CAF/DAF	7ACE1746		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
<b>COOLING</b>					
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°			
<b>WATER SOURCE</b>					
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
<b>PIPE LINE</b>					
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	16	25	25	25
Max. height	m	15	15	15	15
<b>INDOOR UNIT</b>					
Phase/Voltage/Frequency		1P/220-240V/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-HHFO009-N11	AWSI-HHFO012-N11*	AWSI-HHFO018-N11	AWSI-HHFO024-N11
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	27/35/37/40	29/36/39/42	31/34/38/42	37/41/45/49
Sound power level (VL/LS/MS/HS)	dB(A)	37/45/47/50	39/46/49/52	41/44/48/52	47/51/59/59
Airflow (VL/LS/MS/HS)	m³/h	300/430/500/570	330/430/500/550	350/480/560/650	600/700/800/900
Dimensions (WxHxD)	mm	773x250x185	773x250x185	849x289x215	970x300x225
Weight	kg	8.5	8.5	11	13.5
Indoor unit part number		7SP023190	7SP023191	7SP023192	7SP023193

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	38/43/44	42/45/46
Sound power level (LS/MS/HS)	dB(A)	48/50/52	48/50/52	48/53/54	52/55/56
Airflow (LS/MS/HS)	m³/h	430/520/600	430/520/600	500/600/700	1000/1150/1250
Dimensions (WxHxD)	mm	665x240x595	665x240x595	570x265x570	840x240x840
Frame dimensions (WxHxD)	mm	670x50x670	670x50x670	620x47.5x620	950x52x950
Weight	kg	19.5	19.5	17	30
Indoor unit part number		7SP042257	7SP042257	7SP042280	7SP042281
Frame part number		7ACVF0567	7ACVF0567	7ACVF0595	7ACVF0596
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)	30/34/37	30/34/37	30/32/35	30/33/37
Sound power level (LS/MS/HS)	dB(A)	40/44/47	40/44/47	40/42/45	40/43/47
Airflow (LS/MS/HS)	m³/h	501/555/645	501/555/645	480/580/650	950/1050/1150
External static pressure	Pa	25	25	60	60
Dimensions (WxHxD)	mm	824x200x485	824x200x485	1068x200x474	1068x200x474
Weight	kg	18.5	18.5	24	31
Indoor unit part number		7SP032177	7SP032177	7SP033040	7SP033041
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 HHFO 12, a flare adapter: 1/2" Female x 3/8" Male is mandatory.

\*\* CAF/DAF 12 matching with GCAO 9N.





# Air to water heat pumps range

MODEL NAME	Fluid type	Page	Main application	Mode	Domestic Hot Water	+ Product
 <b>WELLEA MONOBLOC</b>	R32	58	Refurbishment	Cooling and heating	Optional	Monobloc system
 <b>WELLEA MONOBLOC DF</b>	R32	62	Refurbishment	Cooling and heating	Optional	Monobloc system
 <b>WELLEA SPLIT</b>	R32	64	New build	Cooling and heating	Optional	Compact solution
 <b>WELLEA WT</b>	R32	66	New build	Cooling and heating	Integrated	Solar energy available



Heat pumps  
Cooling and heating

# WELLEA MONOBLOC

## MONOBLOC HEAT PUMP



4-6 kW



8-16 kW



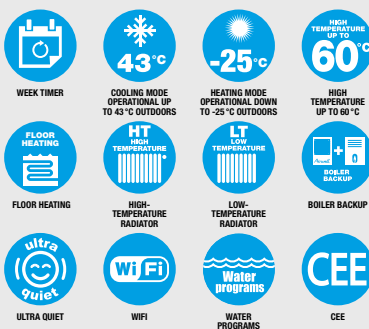
**COP up to 5.10**

**EER up to 5.50**

### + PRODUCTS

- Remote control included
- Water at up to 60°C at outdoor temperatures down to -15°C
- Compatible with all types of emitter
- Electric heater included from 8 kW

### FEATURES



### THE «SUSTAINABLE DEVELOPMENT»

→ High energy class A+++

### THE «USER»

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

### THE «INSTALLER»

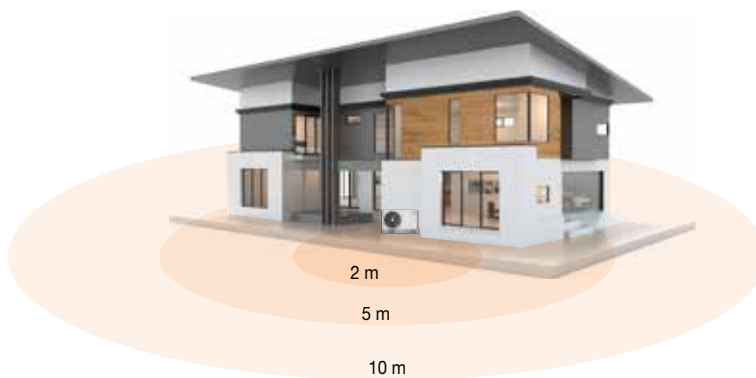
→ Customisable water program, allowing the entire heating circuit to be managed using the many available connections

### THE «TECHNOLOGY»

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



### SOUND PRESSURE



Wellea Monobloc A		4 kW	6 kW	8 kW	10 kW	12 kW	14 kW	16 kW
Sound pressure* at 2 m	dB(A)	39	40	43	44	46	47	51
Sound pressure* at 5 m	dB(A)	30	31	34	35	37	38	42
Sound pressure* at 10 m	dB(A)	15	16	19	20	22	23	27

\*Free fields

**WELLEA MONOBLOC 4-6-8-10 KW TECHNICAL DATA**

Model		AW-WHPMA04-H91	AW-WHPMA06-H91	AW-WHPMA08-H91	AW-WHPMA10-H91	
Part number		7HP061075	7HP061076	7HP061077	7HP061078	
Phase		Single phase	Single phase	Single phase	Single phase	
<b>HEATING MODE</b>						
Air +7 °C Water 30/35 °C	Heating capacity	kW	4.20	6.35	8.40	10.00
	Power input	kW	0.82	1.28	1.63	2.02
	<b>COP</b>		<b>5.10</b>	<b>4.95</b>	<b>5.15</b>	<b>4.95</b>
Air -7 °C Water 30/35 °C	Heating capacity	kW	4.70	6.00	7.00	8.00
	Power input	kW	1.52	2.00	2.19	2.62
	<b>COP</b>		<b>3.10</b>	<b>3.00</b>	<b>3.20</b>	<b>3.05</b>
Air +7 °C Water 40/45 °C	Heating capacity	kW	4.30	6.30	8.10	10.00
	Power input	kW	1.13	1.70	2.10	2.67
	<b>COP</b>		<b>2.70</b>	<b>3.80</b>	<b>3.70</b>	<b>3.85</b>
Air +7 °C Water 47/55 °C	Heating capacity	kW	4.40	6.00	7.50	9.50
	Power input	kW	1.49	2.03	2.36	3.06
	<b>COP</b>		<b>2.95</b>	<b>2.95</b>	<b>3.18</b>	<b>3.10</b>
<b>COOLING MODE</b>						
Air 35 °C Water 12/7 °C	Cooling capacity	kW	4.70	7.00	7.45	8.20
	Power input	kW	1.36	2.33	2.22	2.52
	<b>EER</b>		<b>3.45</b>	<b>3.00</b>	<b>3.35</b>	<b>3.25</b>
Air 35 °C Water 23/18 °C	Cooling capacity	kW	4.50	6.50	8.30	9.90
	Power input	kW	0.82	1.35	1.64	2.18
	<b>EER</b>		<b>5.50</b>	<b>4.80</b>	<b>5.05</b>	<b>4.55</b>
<b>PERFORMANCE</b>						
Energy label (average climate)	Water outlet to 35 °C	class	<b>A+++</b>			
	Water outlet to 55 °C	class	<b>A++</b>			
Seasonal efficiency (average climate)	Water outlet to 35 °C		191	195	205	205
	Water outlet to 55 °C		130	138	132	137
SCOP (average climate)	Water outlet to 35 °C		4.85	4.95	5.21	5.19
	Water outlet to 55 °C		3.31	3.52	3.36	3.49
Sound level		dB(A)	55	58	59	60
Sound pressure level (1m)		dB(A)	45	48	49	51
<b>OPERATING LIMITS</b>						
Outdoor air temperature	Cooling	°C	-5/43			
	Heating	°C	-25/35			
	DHW	°C	-25/43			
<b>POWER SUPPLY</b>						
Power supply		1P/220-240V/50Hz				
Electric backup heater	kW	0		3		
Max. current	A	12.00	14.00	29.00	30.00	
<b>INSTALLATION &amp; OTHERS</b>						
Airflow		m³/h	2770		4030	
Refrigerant	Type/GWP		<b>R32/675</b>			
	Charge	kg	1.4		1.4	
Outline dimensions (WxHxD)	mm	1295x792x429		1385x945x526		
Package dimensions (WxHxD)	mm	1375x965x475		1465x1120x560		
Net weight/Gross weight	kg	98/121		121/148		
Water connection	inches	R 1"		R 1"1/4		



### WELLEA MONOBLOC 12-14-16 KW TECHNICAL DATA

Model		AW-WHPMA12-H91	AW-WHPMA14-H91	AW-WHPMA16-H91	AW-WHPMA12-H93	AW-WHPMA14-H93	AW-WHPMA16-H93	
Part number		7HP061079	7HP061080	7HP061081	7HP061082	7HP061083	7HP061084	
Phase		Single phase			Three phase			
<b>HEATING MODE</b>								
Air +7 °C Water 30/35 °C	Heating capacity	kW	12.10	14.50	15.90	12.10	14.50	15.90
	Power input	kW	2.44	3.15	3.53	2.44	3.15	3.53
	<b>COP</b>		<b>4.95</b>	<b>4.60</b>	<b>4.50</b>	<b>4.95</b>	<b>4.60</b>	<b>4.50</b>
Air -7 °C Water 30/35 °C	Heating capacity	kW	10.00	12.00	13.10	10.00	12.00	13.10
	Power input	kW	3.33	4.21	4.85	3.33	4.21	4.85
	<b>COP</b>		<b>3.00</b>	<b>2.85</b>	<b>2.70</b>	<b>3.00</b>	<b>2.85</b>	<b>2.70</b>
Air +7 °C Water 40/45 °C	Heating capacity	kW	12.30	14.10	16.00	12.30	14.10	16.00
	Power input	kW	3.32	3.92	4.57	3.32	3.92	4.57
	<b>COP</b>		<b>3.75</b>	<b>3.70</b>	<b>3.50</b>	<b>3.75</b>	<b>3.70</b>	<b>3.50</b>
Air +7 °C Water 47/55 °C	Heating capacity	kW	11.90	13.80	16.00	11.90	13.80	16.00
	Power input	kW	3.90	4.68	5.61	3.90	4.68	5.61
	<b>COP</b>		<b>3.05</b>	<b>2.95</b>	<b>2.85</b>	<b>3.05</b>	<b>2.95</b>	<b>2.85</b>
<b>COOLING MODE</b>								
Air 35 °C Water 12/7 °C	Cooling capacity	kW	11.50	12.40	14.00	11.50	12.40	14.00
	Power input	kW	4.18	4.96	5.60	4.18	4.96	5.60
	<b>EER</b>		<b>2.75</b>	<b>2.50</b>	<b>2.50</b>	<b>2.75</b>	<b>2.50</b>	<b>2.50</b>
Air 35 °C Water 23/18 °C	Cooling capacity	kW	12.00	13.50	14.90	12.00	13.50	14.90
	Power input	kW	3.04	3.75	4.38	3.04	3.75	4.38
	<b>EER</b>		<b>3.95</b>	<b>3.60</b>	<b>3.40</b>	<b>3.95</b>	<b>3.60</b>	<b>3.40</b>
<b>PERFORMANCE</b>								
Energy label (average climate)	Water outlet to 35 °C	class	A+++					
	Water outlet to 55 °C	class	A++					
Seasonal efficiency (average climate)	Water outlet to 35 °C		189	186	182	189	186	182
	Water outlet to 55 °C		135	136	133	135	136	133
SCOP (average climate)	Water outlet to 35 °C		4.81	4.72	4.62	4.81	4.72	4.62
	Water outlet to 55 °C		3.45	3.47	3.41	3.45	3.47	3.41
Sound level		dB(A)	65	65	68	65	65	68
Sound pressure level (1m)		dB(A)	53	54	58	54	54	58
<b>OPERATING LIMITS</b>								
Outdoor air temperature	Cooling	°C	-5/43					
	Heating	°C	-25/35					
	DHW	°C	-25/43					
<b>POWER SUPPLY</b>								
Power supply			1P/220-240V/50Hz			3P/380-415V/50Hz		
Electric backup heater	kW		3			9		
Max. current	A		38.00	39.00	40.00	23.00	24.00	25.00
<b>INSTALLATION &amp; OTHERS</b>								
Airflow		m³/h	4060		4650	4060		4650
Refrigerant	Type/GWP		R32/675					
	Charge	kg	1.75					
Outline dimensions (WxHxD)		mm	1385x945x526					
Package dimensions (WxHxD)		mm	1465x1120x560					
Net weight/Gross weight		kg	144/170			160/188		
Water connection		inches	R 1"1/4			R 1"1/4		

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Heat pumps  
Cooling and heating

# WELLEA MONOBLOC DF

## MONOBLOC HEAT PUMP



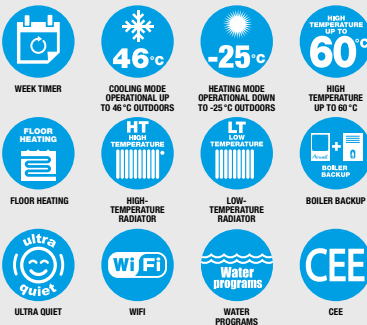
18-30 kW



### + PRODUCTS

- RCW24 remote control included
- Water at up to 60°C at outdoor temperatures down to -10°C
- Compatible with all types of emitter
- High power available

### FEATURES



### THE + «SUSTAINABLE DEVELOPMENT»

→ High energy class A+++

### THE + «USER»

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

### 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



IDEAL FOR THE RENOVATION OF LARGE HOUSES

**WELLEA MONOBLOC DF TECHNICAL DATA**

Model		AW-WHPMA18-H93	AW-WHPMA22-H93	AW-WHPMA26-H93	AW-WHPMA30-H93	
Part number		7HP061085	7HP061086	7HP061087	7HP061088	
Phase		Three phases				
<b>HEATING MODE</b>						
Air +7 °C Water 30/35 °C	Heating capacity	kW	18.00	22.00	26.00	30.10
	Power input	kW	3.83	5.00	6.37	7.70
	<b>COP</b>		<b>4.70</b>	<b>4.40</b>	<b>4.08</b>	<b>3.91</b>
Air -7 °C Water 30/35 °C	Heating capacity	kW	18.00	21.00	22.00	23.00
	Power input	kW	6.67	8.08	8.80	9.39
	<b>COP</b>		<b>2.70</b>	<b>2.60</b>	<b>2.50</b>	<b>2.45</b>
Air +7 °C Water 40/45 °C	Heating capacity	kW	18.00	22.00	26.00	30.00
	Power input	kW	5.14	6.47	8.39	10.35
	<b>COP</b>		<b>3.50</b>	<b>3.40</b>	<b>3.10</b>	<b>2.90</b>
Air +7 °C Water 47/55 °C	Heating capacity	kW	18.00	22.00	26.00	30.00
	Power input	kW	6.55	8.30	10.61	13.04
	<b>COP</b>		<b>2.75</b>	<b>2.65</b>	<b>2.45</b>	<b>2.30</b>
<b>COOLING MODE</b>						
Air 35 °C Water 12/7 °C	Cooling capacity	kW	17.00	21.00	26.00	29.50
	Power input	kW	5.57	7.12	9.63	11.57
	<b>EER</b>		<b>3.05</b>	<b>2.95</b>	<b>2.70</b>	<b>2.55</b>
Air 35 °C Water 23/18 °C	Cooling capacity	kW	18.50	23.00	27.00	31.00
	Power input	kW	3.90	5.00	6.28	7.75
	<b>EER</b>		<b>4.75</b>	<b>4.60</b>	<b>4.30</b>	<b>4.00</b>
<b>PERFORMANCE</b>						
Energy label (average climate)	Water outlet to 35 °C	class	A+++			A++
	Water outlet to 55 °C	class	A++			A+
Seasonal efficiency (average climate)	Water outlet to 35 °C		181	178	177	165
	Water outlet to 55 °C		125	126	123	123
SCOP (average climate)	Water outlet to 35 °C		4.60	4.53	4.50	4.19
	Water outlet to 55 °C		3.21	3.22	3.14	3.14
Sound level		dB(A)	71	73	75	77
Sound pressure level (1m)		dB(A)	58	60	62	64
<b>OPERATING LIMITS</b>						
Outdoor air temperature	Cooling	°C	-5/46			
	Heating	°C	-25/35			
	DHW	°C	-25/43			
<b>POWER SUPPLY</b>						
Power supply		3P/380-415V/50Hz				
Max. current	A	21.00	24.50	27.00	28.50	
<b>INSTALLATION &amp; OTHERS</b>						
Airflow		m³/h	10650		11200	
Refrigerant	Type/GWP		R32/675			
	Charge	kg	5			
Outline dimensions (WxHxD)		mm	1129x1558x440			
Package dimensions (WxHxD)		mm	1220x1735x565			
Net weight/Gross weight		kg	177/206			
Water connection		inches	R 1-1/4"			



Heat pumps  
Cooling and heating

# WELLEA SPLIT

## SPLIT HEAT PUMP



WELLEA SPLIT  
IDU



WELLEA  
ODU 4-6kW



WELLEA  
ODU 8-16kW

### + PRODUCTS

- Refrigerant connections; no need for antifreeze protection
- Water at up to 60°C at outdoor temperatures down to -15°C
- Compatible with all types of emitter
- Electric heater included

### FEATURES



### THE + «SUSTAINABLE DEVELOPMENT»

→ High energy class A+++

### THE + «USER»

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

### THE + «INSTALLER»

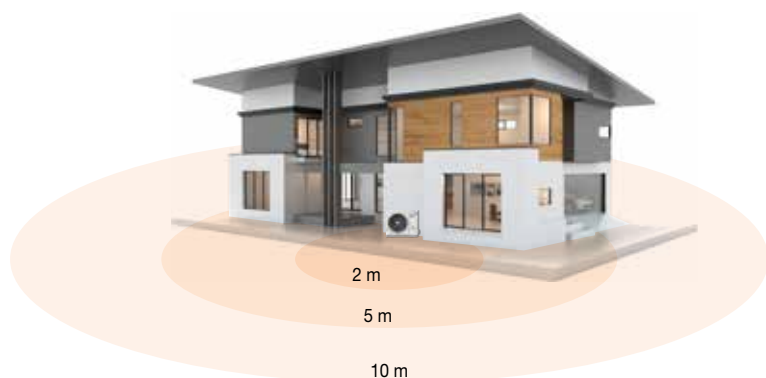
→ Customisable water program, allowing the entire heating circuit to be managed using the many available connections

### THE + «TECHNOLOGY»

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



### SOUND PRESSURE



Wellea Split A		4 kW	6 kW	8 kW	10 kW	12 kW	14 kW	16 kW
Sound pressure* at 2 m	dB(A)	39	42	43	45	45	47	51
Sound pressure* at 5 m	dB(A)	30	33	34	36	36	38	42
Sound pressure* at 10 m	dB(A)	15	18	19	21	21	23	27

\*Free fields



## WELLEA SPLIT TECHNICAL DATA

Outdoor unit			AW-YHPSA04-H91	AW-YHPSA06-H91	AW-YHPSA08-H91	AW-YHPSA10-H91	AW-YHPSA12-H91	AW-YHPSA14-H91	AW-YHPSA16-H91	AW-YHPSA12-H93	AW-YHPSA14-H93	AW-YHPSA16-H93		
Part number			7HP061065	7HP061066	7HP061067	7HP061068	7HP061069	7HP061070	7HP061071	7HP061072	7HP061073	7HP061074		
Phase			Single phase				Single phase			Three phase				
<b>HEATING MODE</b>														
Air +7°C Water 30/35°C	Heating capacity	kW	4.25	6.20	8.30	10.00	12.10	14.50	16.00	12.10	14.50	16.00		
	Power input	kW	0.82	1.24	1.60	2.00	2.44	3.09	3.56	2.44	3.09	3.56		
	<b>COP</b>		<b>5.20</b>	<b>5.00</b>	<b>5.20</b>	<b>5.00</b>	<b>4.95</b>	<b>4.70</b>	<b>4.50</b>	<b>4.95</b>	<b>4.70</b>	<b>4.50</b>		
Air -7°C Water 30/35°C	Heating capacity	kW	4.80	6.10	7.10	8.25	10.00	12.00	13.30	10.00	12.00	13.30		
	Power input	kW	1.52	2.00	2.18	2.62	3.33	4.29	4.93	3.33	4.29	4.93		
	<b>COP</b>		<b>3.15</b>	<b>3.05</b>	<b>3.25</b>	<b>3.15</b>	<b>3.00</b>	<b>2.80</b>	<b>2.70</b>	<b>3.00</b>	<b>2.80</b>	<b>2.70</b>		
Air +7°C Water 40/45°C	Heating capacity	kW	4.35	6.35	8.20	10.00	12.30	14.20	16.00	12.3	14.2	16.00		
	Power input	kW	1.14	1.69	2.08	2.63	3.24	3.89	4.44	3.24	3.89	4.44		
	<b>COP</b>		<b>3.80</b>	<b>3.75</b>	<b>3.95</b>	<b>3.80</b>	<b>3.80</b>	<b>3.65</b>	<b>3.6</b>	<b>3.80</b>	<b>3.65</b>	<b>3.60</b>		
Air +7°C Water 47/55°C	Heating capacity	kW	4.40	6.00	7.50	9.50	12.00	13.80	16.00	12.00	13.8	16.00		
	Power input	kW	1.49	2.00	2.36	3.06	3.87	4.60	5.52	3.87	4.60	5.52		
	<b>COP</b>		<b>2.95</b>	<b>3.00</b>	<b>3.18</b>	<b>3.10</b>	<b>3.10</b>	<b>3.00</b>	<b>2.90</b>	<b>3.10</b>	<b>3.00</b>	<b>2.90</b>		
<b>COOLING MODE</b>														
Air 35°C Water 12/7°C	Cooling capacity	kW	4.70	7.00	7.40	8.20	11.60	12.70	14.00	11.60	12.70	14.00		
	Power input	kW	1.36	2.33	2.19	2.48	4.22	4.98	5.71	4.22	4.98	5.71		
	<b>EER</b>		<b>3.45</b>	<b>3.00</b>	<b>3.38</b>	<b>3.30</b>	<b>2.75</b>	<b>2.55</b>	<b>2.45</b>	<b>2.75</b>	<b>2.55</b>	<b>2.45</b>		
Air 35°C Water 23/18°C	Cooling capacity	kW	4.50	6.55	8.40	10.00	12.00	13.5	14.90	12.00	13.50	14.9		
	Power input	kW	0.81	1.34	1.66	2.08	3.00	3.75	4.38	3.00	3.75	4.38		
	<b>EER</b>		<b>5.55</b>	<b>4.90</b>	<b>5.05</b>	<b>4.80</b>	<b>4.00</b>	<b>3.60</b>	<b>3.40</b>	<b>4.00</b>	<b>3.6</b>	<b>3.40</b>		
<b>PERFORMANCES</b>														
Energy label (average climate)	Water outlet to 35°C	class	A+++				A+++							
	Water outlet to 55°C	class	A++				A++							
Seasonal efficiency (average climate)	Water outlet to 35°C	%	191	195	205	205	189	186	182	189	186	182		
	Water outlet to 55°C	%	130	138	132	137	135	136	133	135	136	133		
SCOP (average climate)	Water outlet to 35°C		4.85	4.95	5.21	5.19	4.81	4.72	4.62	4.81	4.72	4.62		
	Water outlet to 55°C		3.31	3.52	3.36	3.49	3.45	3.47	3.41	3.45	3.47	3.41		
Sound level		dB(A)	56	58	59	60	64	65	68	64	65	68		
Sound pressure level (1m)		dB(A)	44	45	46	49	50	51	55	50	51	55		
<b>OPERATING LIMITS</b>														
Outdoor temperature	Cooling	°C	-5/43				-5/43							
	Heating	°C	-25/35				-25/35							
	DHW	°C	-25/43				-25/43							
<b>POWER SUPPLY</b>														
Phase/Voltage/Frequency			1P/220-240V/50Hz				1P/220-240V/50Hz			3P/380-415V/50Hz				
Max. current	A		14.00		17.00		25.00	26.00	27.00	10.00	11.00	12.00		
<b>INSTALLATION &amp; OTHERS</b>														
Airflow		m³/h	2770		4030		4060		4650		4060		4650	
Refrigerant	Type/GWP		R32/675				R32/675							
	Charge until 15m	kg	1.50		1.65		1.84							
	Additional charge	g/m	20		38		38							
Outline dimensions (WxHxD)	mm	1008x712x426			1118x865x523			1118x865x523						
Package dimensions (WxHxD)	mm	1065x800x485			1180x890x560			1180x890x560						
Net weight/Gross weight	kg	58/64			77/88			96/110			112/125			
Pipe diameter (liquid - gas)	inches	1/4 - 5/8			3/8 - 5/8			3/8 - 5/8						
<b>INDOOR UNIT DATA</b>														
Indoor unit			AW-WHPSA0406-N91			AW-WHPSA0810-N91			AW-WHPSA1216-N91			AW-WHPSA1216-N93		
Part number			7HP010015			7HP010016			7HP010017			7HP010018		
Phase			Single phase			Single phase			Single phase			Three phase		
<b>PERFORMANCES</b>														
Sound power level		dB(A)	38			42			43			43		
Sound pressure level (1m)		dB(A)	28			30			32			32		
<b>POWER SUPPLY</b>														
Phase/Voltage/Frequency			1P/220-240V/50Hz				1P/220-240V/50Hz			3P/380-415V/50Hz				
Electric backup heater	kW		3		3		3			9				
Max. current	A		13.5			13.5			13.5			13.3		
<b>INSTALLATION &amp; OTHERS</b>														
Outline dimensions (WxHxD)	mm		420x790x270				420x790x270							
Package dimensions (WxHxD)	mm		525x1050x360				525x1050x360							
Net weight/Gross weight	kg		43/49				45/51							



Heat pumps  
Three services

# WELLEA WT SPLIT HEAT PUMP WITH DHW TANK INCLUDED

A+++



**WELLEA WT**  
with DHW tank included



**WELLEA**  
ODU 4-6kW

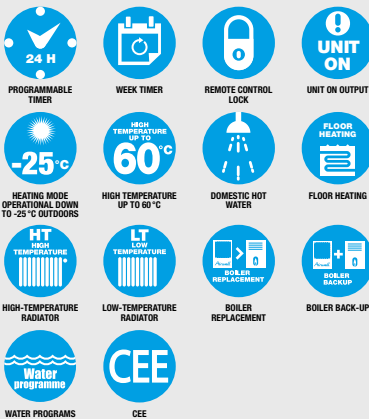


**WELLEA**  
ODU 8-16kW

## + PRODUCTS

- Refrigerant connections; no need for antifreeze protection
- Water at up to 60°C at outdoor temperatures down to -15°C
- Compatible with all types of emitter
- Hot water tank included (190L or 240L)

## FEATURES



### THE + «SUSTAINABLE DEVELOPMENT»

→ High energy class A+++

### THE + «USER»

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

### THE + «INSTALLER»

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

### THE + «TECHNOLOGY»

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





ECONOMIC: HOT SANITARY WATER THANKS TO SOLAR ENERGY

## WELLEA WT TECHNICAL DATA

Outdoor unit			AW-YHPSA04-H91	AW-YHPSA06-H91	AW-YHPSA08-H91	AW-YHPSA10-H91	AW-YHPSA12-H91	AW-YHPSA14-H91	AW-YHPSA16-H91	AW-YHPSA12-H93	AW-YHPSA14-H93	AW-YHPSA16-H93	
Part number			7HP061065	7HP061066	7HP061067	7HP061068	7HP061069	7HP061070	7HP061071	7HP061072	7HP061073	7HP061074	
Phase			Single phase				Single phase			Three phase			
<b>HEATING MODE</b>													
Air +7°C Water 30/35°C	Heating capacity	kW	4.25	6.20	8.30	10.00	12.10	14.50	16.00	12.10	14.50	16.00	
	Power input	kW	0.82	1.24	1.60	2.00	2.44	3.09	3.56	2.44	3.09	3.56	
	<b>COP</b>		<b>5.20</b>	<b>5.00</b>	<b>5.20</b>	<b>5.00</b>	<b>4.95</b>	<b>4.70</b>	<b>4.50</b>	<b>4.95</b>	<b>4.70</b>	<b>4.50</b>	
Air -7°C Water 30/35°C	Heating capacity	kW	4.80	6.10	7.10	8.25	10.00	12.00	13.30	10.00	12.00	13.30	
	Power input	kW	1.52	2.00	2.18	2.62	3.33	4.29	4.93	3.33	4.29	4.93	
	<b>COP</b>		<b>3.15</b>	<b>3.05</b>	<b>3.25</b>	<b>3.15</b>	<b>3.00</b>	<b>2.80</b>	<b>2.70</b>	<b>3.00</b>	<b>2.80</b>	<b>2.70</b>	
Air +7°C Water 40/45°C	Heating capacity	kW	4.35	6.35	8.20	10.00	12.30	14.20	16.00	12.30	14.20	16.00	
	Power input	kW	1.14	1.69	2.08	2.63	3.24	3.89	4.44	3.24	3.89	4.44	
	<b>COP</b>		<b>3.80</b>	<b>3.75</b>	<b>3.95</b>	<b>3.80</b>	<b>3.80</b>	<b>3.65</b>	<b>3.60</b>	<b>3.80</b>	<b>3.65</b>	<b>3.60</b>	
Air +7°C Water 47/55°C	Heating capacity	kW	4.40	6.00	7.50	9.50	12.00	13.80	16.00	12.00	13.80	16.00	
	Power input	kW	1.49	2.00	2.36	3.06	3.87	4.60	5.52	3.87	4.60	5.52	
	<b>COP</b>		<b>2.95</b>	<b>3.00</b>	<b>3.18</b>	<b>3.10</b>	<b>3.10</b>	<b>3.00</b>	<b>2.90</b>	<b>3.10</b>	<b>3.00</b>	<b>2.90</b>	
<b>COOLING MODE</b>													
Air 35°C Water 12/7°C	Cooling capacity	kW	4.70	7.00	7.40	8.20	11.60	12.70	14.00	11.60	12.70	14.00	
	Power input	kW	1.36	2.33	2.19	2.48	4.22	4.98	5.71	4.22	4.98	5.71	
	<b>EER</b>		<b>3.45</b>	<b>3.00</b>	<b>3.38</b>	<b>3.30</b>	<b>2.75</b>	<b>2.55</b>	<b>2.45</b>	<b>2.75</b>	<b>2.55</b>	<b>2.45</b>	
Air 35°C Water 23/18°C	Cooling capacity	kW	4.50	6.55	8.40	10.00	12.00	13.50	14.90	12.00	13.50	14.90	
	Power input	kW	0.81	1.34	1.66	2.08	3.00	3.75	4.38	3.00	3.75	4.38	
	<b>EER</b>		<b>5.55</b>	<b>4.90</b>	<b>5.05</b>	<b>4.80</b>	<b>4.00</b>	<b>3.60</b>	<b>3.40</b>	<b>4.00</b>	<b>3.60</b>	<b>3.40</b>	
<b>PERFORMANCES</b>													
Energy label (average climate)	Water outlet to 35°C	class	A+++				A+++						
	Water outlet to 55°C	class	A++				A++						
Seasonal efficiency (average climate)	Water outlet to 35°C	%	191	195	205	205	189	186	182	189	186	182	
	Water outlet to 55°C	%	130	138	132	137	135	136	133	135	136	133	
SCOP (average climate)	Water outlet to 35°C		4.85	4.95	5.21	5.19	4.81	4.72	4.62	4.81	4.72	4.62	
	Water outlet to 55°C		3.31	3.52	3.36	3.49	3.45	3.47	3.41	3.45	3.47	3.41	
Sound level		dB(A)	56	58	59	60	64	65	68	64	65	68	
Sound pressure level (1m)		dB(A)	44	45	46	49	50	51	55	50	51	55	
<b>OPERATING LIMITS</b>													
Outdoor temperature	Cooling	°C	-5/43				-5/43						
	Heating	°C	-25/35				-25/35						
	DHW	°C	-25/43				-25/43						
<b>POWER SUPPLY</b>													
Phase/Voltage/Frequency			1P/220-240V/50Hz				1P/220-240V/50Hz			3P/380-415V/50Hz			
Max. current			A		14	17.00	25.00	26.00	27.00	10.00	11.00	12.00	
<b>INSTALLATION &amp; OTHERS</b>													
Airflow			m³/h		2770	4030	4060	4650	4060	4650	4650		
Refrigerant	Type/GWP		R32/675				R32/675						
	Charge until 15m	kg	1.50		1.65		1.84						
	Additional charge	g/m	20		38		38						
Outline dimensions (WxHxD)			mm		1008x712x426		1118x865x523		1118x865x523				
Package dimensions (WxHxD)			mm		1065x800x485		1180x890x560		1180x890x560				
Net weight/Gross weight			kg		58/64		77/88		96/110		112/125		
Pipe diameter (liquid - gas)			inches		1/4" - 5/8"		3/8" - 5/8"		3/8" - 5/8"				
<b>INDOOR UNIT DATA</b>													
Indoor unit			AW-WHPSAT10190-N91				AW-WHPSAT16240-N91			TBC			
Part number			7HP010019				7HP010020			TBC			
Phase			Monophasé				Monophasé			TBC			
<b>TANK</b>													
Capacity			l		1P/220-240V/50Hz		1P/220-240V/50Hz			TBC			
Electric heater DHW			kW		TBC		TBC			TBC			
Electric heater			kW		TBC		TBC			TBC			
<b>PERFORMANCES</b>													
DHW profile			L				XL						
Energy label DHW (average climate)			class		A+				A+				
Energy efficiency DHW (average climate)			%		128	128	125	125	124	124	124	124	124
Sound power level			dB(A)		38		40		44				
Sound pressure level (1m)			dB(A)		TBC		TBC		TBC				
<b>POWER SUPPLY</b>													
Phase/Voltage/Frequency			190				240			TBC			
Max. current			A		TBC		TBC			TBC			
<b>INSTALLATION &amp; OTHERS</b>													
Outline dimensions (WxHxD)			mm		600x600x1683		600x600x1943			600x600x1943			
Package dimensions (WxHxD)			mm		653x653x1900		653x653x2160			653x653x2160			
Net weight/Gross weight			kg		TBC		TBC			TBC			

HEAT PUMPS ACCESSORIES

Designation	Part number	Photo	Description
<b>Bizone Kit 2Z2T</b>	7ACEL1882		<p>With this module you can simply manage 2 zones with 2 different temperatures (ex: floor heating &amp; radiator). All the elements are pre-wired, you just have to plug them in on site.</p> <p><b>1 Hydraulic module :</b>                      - 2 water pump                      - 1 regulation                      - 2 thermostats (radio)                      - 1 outdoor temperature sensor (radio)                      - 1 antenna (for radio connection)</p> <p><b>Thermostat functions :</b>                      - Change temperature (5°C to 37 °C)                      - Change mode (heating / cooling)                      - Weekly programming                      - Holiday mode</p>
<b>Hydraulic compensator</b>	7ACFH0854		<p>To be use with the Bizone Kit. If you don't have buffer tank you can use this bottle. Easely paring with our Bizone Kit. Insulation included. 14 kW ΔT 5°C – 28 kW ΔT 10°C</p>
<b>Shock absorder (support)</b>	7ACTL0510		<p>Helps reduce the transmission of vibrations. Length : 1 000mm</p>
<b>Temperature sensor</b>	1PR070230		Temperature sensor + wire (10m)
<b>Wire connection (Balance tank)</b>	7ACFH0870		Connection between temperature sensor and electronic board for balance tank probe
<b>Wire connection (Solar)</b>	7ACFH0871		Connection between temperature sensor and electronic board for solar probe
<b>Controller for E-Heater</b>	7ACEL1892		Control the DHW electric heater with the heat pump

Designation		DHW TANK 200L	DHW TANK 200S	DHW TANK 300L	DHW TANK 300S	DHW TANK 500L	DHW TANK 500S
<b>Part number</b>		7ACFH0872	7ACFH0876	7ACFH0873	7ACFH0875	7ACFH0874	7ACFH0877
<b>Heat pump max. capacity</b>	kW	10	10	16	16	22	22
<b>Capacity</b>	L	196	194	273	267	475	464
<b>Surface of exchanger</b>	m <sup>2</sup>	1,5	1,5+0,5	1,8	1,8+1,1	2,2	2,2+1,3
<b>Material</b>	/	Enamel steel	Enamel steel	Enamel steel	Enamel steel	Enamel steel	Enamel steel
<b>Max pressure</b>	bar	10	10	10	10	10	10
<b>Storage dispersion</b>	W	51	51	63	63	80	80
<b>Energy class</b>	/	B	B	B	B	B	B
<b>Protection</b>	/	Magnesium anode	Magnesium anode	Magnesium anode	Magnesium anode	Magnesium anode	Magnesium anode
<b>Electric heater</b>	kW	2,0	2,0	2,0	2,0	2,0	2,0
<b>Height</b>	mm	1215	1215	1615	1615	1705	1705
<b>Diameter</b>	mm	640	640	640	640	790	790
<b>Weight</b>	kg	77	83	98	112	128	151



**WELLEA ACCESSORIES**

Designation	Part number	Photo	Description
<b>3 ways valve</b>	7ACFH0855		<ul style="list-style-type: none"> <li>• 3 ways valve for heating and DHW</li> </ul>
<b>Magnetic dirt separator 1"</b>	7ACFH0856		<ul style="list-style-type: none"> <li>• Dirt separator, swiveling, with magnetic ring</li> </ul>
<b>Antifreeze valve MM 1"</b>	7ACFH0857		<ul style="list-style-type: none"> <li>• Ready to install</li> <li>• Thermostatic valve</li> <li>• Automatic opening (+ 3 ° C) and closing (+ 4 ° C) (+/- 1 ° C)</li> </ul>
<b>Mix bottle 25L</b>	7ACFH0859		<ul style="list-style-type: none"> <li>• Insulated bottle, reversible: heating and cooling</li> <li>• ErP class: C</li> <li>• Usable volume: 25 L</li> <li>• Wall installation</li> </ul>
<b>Mix bottle 50L</b>	7ACFH0858		<ul style="list-style-type: none"> <li>• Insulated bottle, reversible: heating and cooling</li> <li>• ErP class: C</li> <li>• Usable volume: 51 L</li> <li>• Wall installation</li> </ul>
<b>Mix bottle 100L</b>	7ACFH0860		<ul style="list-style-type: none"> <li>• Insulated bottle, reversible: heating and cooling</li> <li>• ErP class: C</li> <li>• Usable volume: 95 L</li> <li>• Floor laying</li> </ul>
<b>Mix bottle 200L</b>	7ACFH0861		<ul style="list-style-type: none"> <li>• Insulated bottle, reversible: heating and cooling</li> <li>• ErP class: C</li> <li>• Usable volume: 195 L</li> <li>• Floor laying</li> </ul>
<b>Automatic air vent 1"</b>	7ACFH0862		<ul style="list-style-type: none"> <li>• Continuous evacuation of air (degassing) present in the hydraulic circuit</li> <li>• Automatic operation</li> <li>• Adjustable: horizontal or vertical mounting</li> </ul>
<b>Safety valve 10B 20X27</b>	7ACFH0863		<ul style="list-style-type: none"> <li>• Plant power: 46 kW</li> <li>• Graduated scale for adjustment: 0.1 to 0.6 bar differential</li> </ul>
<b>Expansion vessel 12L</b>	7ACFH0864		<ul style="list-style-type: none"> <li>• CE standard vessel for heating and cooling circuit</li> <li>• Capacity: 12 L</li> <li>• Pre-inflation: 1 bar</li> </ul>
<b>Expansion vessel 18L</b>	7ACFH0865		<ul style="list-style-type: none"> <li>• CE standard vessel for heating and cooling circuit</li> <li>• Capacity: 18 L</li> <li>• Pre-inflation: 1 bar</li> </ul>
<b>Wall support for expansion vessel + accessories</b>	7ACFH0866		<ul style="list-style-type: none"> <li>• Stem, vase support, equipped with: <ul style="list-style-type: none"> <li>- quick coupling for vase</li> <li>- air vent "PR2"</li> <li>- NC valve with pressure gauge</li> </ul> </li> </ul>
<b>Backflow preventer 573 1/2</b>	7ACFH0867		<ul style="list-style-type: none"> <li>• Non-controllable reduced pressure zone backflow preventer NF</li> </ul>
<b>Water pump EVOSTA 2 4 à 7 mH2O 180 mm</b>	7ACFH0868		<ul style="list-style-type: none"> <li>• Low consumption electronic circulator (EEI &lt;= 0.18)</li> <li>• For heating and air conditioning</li> <li>• With limescale protection during commissioning</li> <li>• 5 year warranty</li> <li>• Flow: 0.4 to 3.6 m3 / h</li> <li>• Manometric head: 4 to 6.9 mWC</li> <li>• 3 operating curves each with 3 speeds: <ul style="list-style-type: none"> <li>- Proportional differential pressure</li> <li>- Constant differential pressure</li> <li>- Constant speed</li> </ul> </li> <li>• Protection class: IP X5</li> </ul>
<b>Axial thermometer</b>	7ACFH0869		<ul style="list-style-type: none"> <li>• Axial thermometer 0 / 120°</li> </ul>



## Domestique hot water production range

MODEL NAME	Fluid type	Page	190 L	300 L
<b>TDF Eleo</b> THERMODYNAMIC WATER HEATERS	R134a	72	✓	✓

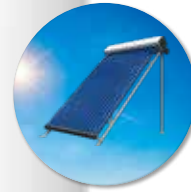




Heat pumps  
Heating only

# TDF ELEO

## THERMODYNAMIC WATER HEATERS



TDF

TDF SOLAR

### + 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 (electronic 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

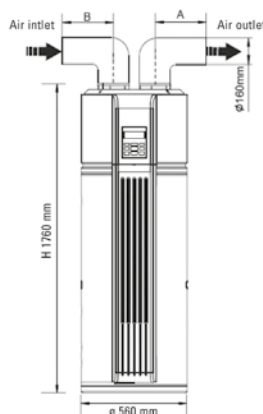


## TDF ELEO TECHNICAL

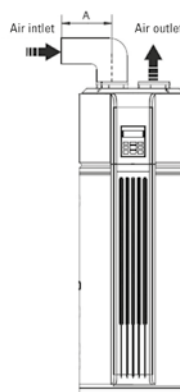
Indoor unit		AW-TDF190-H31	AW-TDF300-H31	AW-TDF190S-H31	AW-TDF300S-H31
Part number		7HP030016	7HP030017	7HP030018	7HP030019
Phase		Single phase	Single phase	Single phase	Single phase
<b>AIR +7°C WATER 10/55°C</b>					
Heating capacity	kW	1.362	1.814	1.362	1.814
Total power input	kW	0.423	0.519	0.423	0.519
<b>COP</b>		<b>3.22</b>	<b>3.49</b>	<b>3.22</b>	<b>3.49</b>
<b>AIR +15°C WATER 10/55°C</b>					
Heating capacity	kW	1.609	2.185	1.609	2.185
Total power input	kW	0.439	0.541	0.439	0.541
<b>COP</b>		<b>3.66</b>	<b>4.04</b>	<b>3.66</b>	<b>4.04</b>
<b>PERFORMANCE (AVERAGE CLIMATE)</b>					
ECS profil		L	XL	L	XL
Energy label		A+	A+	A+	A+
Seasonal efficiency	%	115.0	123.0	115.0	123.0
<b>COP</b>		<b>2.76</b>	<b>3.01</b>	<b>2.76</b>	<b>3.01</b>
Annual consumption	kWh	890	1361	890	1361
Heating time	h:mm	7:01	7:49	7:01	7:49
Standby power consumption	W	26.3	30.6	26.3	30.6
Reference hot water temperature	°C	53.8	53.1	53.8	53.1
Mixed water at 40 °C	l	234	354	234	354
<b>PERFORMANCES (WARMER CLIMATE)</b>					
Seasonal efficiency	%	130.0	148.0	130.0	148.0
<b>COP</b>		<b>3.13</b>	<b>3.59</b>	<b>3.13</b>	<b>3.59</b>
Annual consumption	kWh	785	1131	785	1131
<b>PERFORMANCES (COOLER CLIMATE)</b>					
Seasonal efficiency	%	99.0	95.0	99.0	95.0
<b>COP</b>		<b>2.36</b>	<b>2.32</b>	<b>2.36</b>	<b>2.32</b>
Annual consumption	kWh	1032	1759	1032	1759
<b>SOUND LEVEL</b>					
Sound pressure level (1m)	dB(A)	36.6	38.2	36.6	38.2
Sound power level	dB(A)	51	53	51	53
<b>OPERATING LIMITS</b>					
Outdoor temperature	°C	-7 / 43	-7 / 43	-7 / 43	-7 / 43
Water temperature	°C	70.0	65.0	70.0	65.0
<b>PIPE LINE</b>					
Refrigerant/GWP		R134a/1430	R134a/1430	R134a/1430	R134a/1430
Charge	kg	1.1	1.5	1.1	1.5
<b>POWER SUPPLY</b>					
Phase/Voltage/Frequency		1P/220-240/50Hz	1P/220-240/50Hz	1P/220-240/50Hz	1P/220-240/50Hz
Integrated electrical resistor	kW	3	3	3	3
Power cable section	mm <sup>2</sup>	3x4	3x4	3x4	3x4
Fuse rating am	A	30	30	30	30
<b>DIMENSIONS</b>					
Dimensions (HxØ)	mm	1830x610	1930x700	1830x610	1930x700
Package dimensions (WxHxD)	mm	680x2070x680	775x2200x745	680x2070x680	775x2200x745
Net weight/Gross weight	kg	92/114	114/138	109/131	134/158



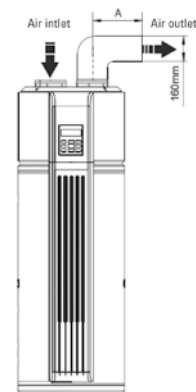
### 1 Inlet and outlet ducted



### 2 Inlet ducted




### 3 Outlet ducted



Location	Heated low volume room (< 20 m <sup>3</sup> )	Low volume room (< 20 m <sup>3</sup> ) which can be refreshed	Heated high volume room (> 20 m <sup>3</sup> ) (kitchen, bathroom...)
<b>Air inlet and air outlet</b>	<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	
 THERMODYNAMIC CMV DUAL FLOW	<b>AIRFLOW</b>	R32	76	Monobloc	Airflow



### + PRODUCTS

- Remote control included
- 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»

→ Allows you to heat and cool your home without air conditioning

→ Operates using 100% fresh filtered air

### THE + «INSTALLER»

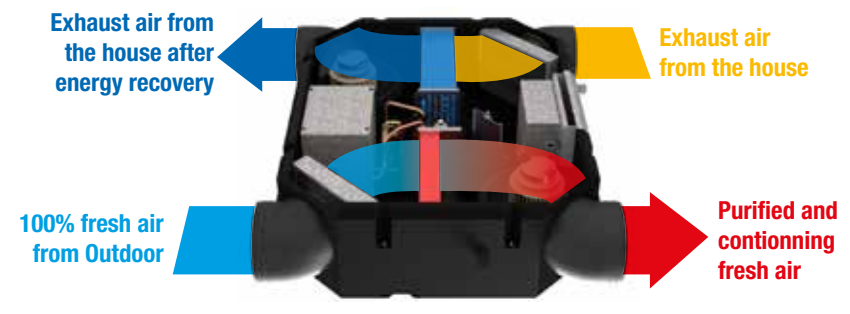
→ Simple to install, thanks to its monobloc system

→ This unit adapts to any type of home

### THE + «TECHNOLOGY»

→ Monobloc system

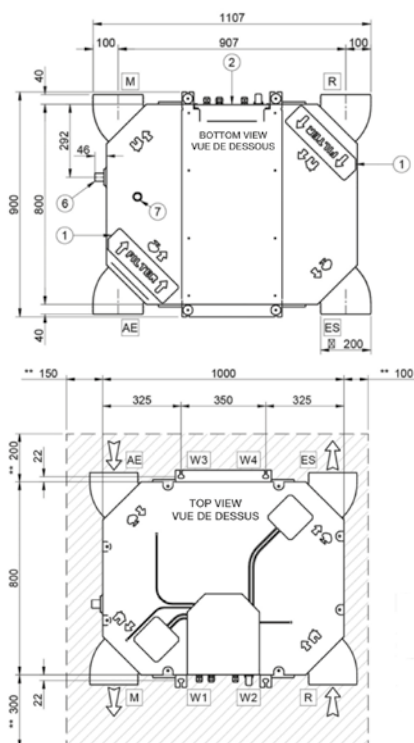
→ Inverter technology



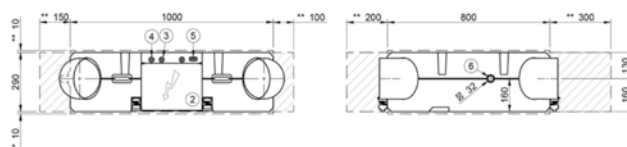
**AIRFLOW TECHNICAL DATA**

<b>Model</b>			<b>AW-AIRFLOW250-N91</b>				
<b>Part number</b>			<b>7HP080005</b>				
<b>Phase</b>			<b>Single phase</b>				
Airflow	m³/h		125	150	210	270	320
<b>HEATING MODE</b>							
Outdoor Air +7 °C Supply Air 20 °C	Heating capacity	kW	1.42	1.55	1.86	2.05	2.49
	Power input	kW	0.46	0.42	0.45	0.42	0.54
	<b>COP</b>		<b>3.09</b>	<b>3.69</b>	<b>4.13</b>	<b>4.93</b>	<b>4.61</b>
Outdoor Air -5 °C Supply Air 20 °C	Heating capacity	kW	1.97	2.10	2.21	2.37	2.45
	Power input	kW	0.40	0.52	0.47	0.37	0.32
	<b>COP</b>		<b>4.93</b>	<b>4.04</b>	<b>4.70</b>	<b>6.50</b>	<b>7.66</b>
<b>COOLING MODE</b>							
Outdoor Air 35 °C Supply Air 27 °C	Cooling capacity	kW	1.57	1.64	1.73	1.92	2.07
	Power input	kW	0.36	0.52	0.53	0.55	0.81
	<b>EER</b>		<b>4.34</b>	<b>3.15</b>	<b>3.26</b>	<b>3.50</b>	<b>2.56</b>
Outdoor Air 30 °C Supply Air 27 °C	Cooling capacity	kW	0.92	1.38	1.47	1.72	2.07
	Power input	kW	0.36	0.52	0.48	0.54	0.81
	<b>EER</b>		<b>2.56</b>	<b>2.65</b>	<b>3.06</b>	<b>3.21</b>	<b>2.77</b>
<b>PERFORMANCE</b>							
Static Pressure	Nominal	Pa	50	50	50	50	50
	Max.	Pa	120	120	120	120	120
Sound power level		dB(A)	47	48	50	54	58
Sound pressure level (1)		dB(A)	34	35	37	41	45
<b>OPERATING LIMITS</b>							
Outdoor temperature	Cooling	°C	16/45				
	Heating	°C	-15/28				
<b>POWER SUPPLY</b>							
Phase/Voltage/Frequency			1P/230V/50Hz				
Max. current	A		5				
<b>INSTALLATION &amp; OTHERS</b>							
Refrigerant	Type/GWP		<b>R32/675</b>				
	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










# Control system

MODEL NAME	Page	INFRARED REMOTE CONTROL	WIRED REMOTE CONTROL
Table of compatibility	80	-	-
Table of functions	81	-	-
RC08C 	82	✓	
RC09 	84	✓	
RCW11 	86		✓
RCW26 	88		✓

RANGE		COMPATIBILITY					
		INFRARED REMOTE CONTROL		WIRED REMOTE CONTROL			
		RC08C	RC09	RCW11	RCW22	RCW25	RCW26
		7ACEL1740 	7ACEL1758 	7ACEL1774 	7ACEL1778 	7ACEL1832 	7ACEL1876 
HIGH WALL	HDH Harmonia	●			●		
	HDH Harmonia Colour range	●			●		
	HKD Horus	●					
DUCTED	DDM	●		●		●	
CASSETTE	CDM	●		●		●	
FLOOR CEILING AND CONSOLE FLOOR STANDING	FDM	●		●		●	
	FWDB				●		
	XDM Hemera	●			● (XDM018)	●	
	SDM		●				
MONOBLOC	MFH Maui MFR Maui	●					



		REMOTE CONTROL				
		INFRARED REMOTE CONTROL		WIRED REMOTE CONTROL		
		RC08C	RC09	RCW11	RCW25	RCW26
		7ACEL1740	7ACEL1758	7ACEL1774	7ACEL1832	7ACEL1876
						
CUSTOMER	FUNCTION					
	On/Off timer	●	●	●	●	●
	Weekly timer			●		●
	Silent mode/ low speed fan	●	●	●	●	●
	“I Feel” function	●		●		●
	Clean-up function	●				
	Night mode (economy mode)	●	●			
	Remote locking	●	●	●	●	●
	Turbo mode	●				●
	“Follow me” mode (presence sensor)					
	Low battery	●		●		
No frost mode	●					
INSTALLER	Test mode	●				
	Group control					●
	Temperature compensation	●			●	
	Heating only mode	●				
	Priority mode definition (multisplit)	●				
	Parameter display (temperature, off pressure opening, compressor...)	●				
	Defaults, failures display			●	●	●

● Controller as standard      ● Optional controller



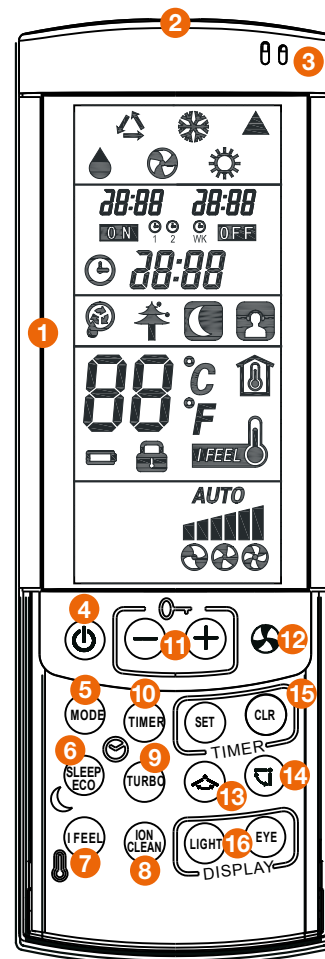
## COMPATIBLE PRODUCTS

- HDH Harmonia
- HKD Horus
- FDM
- MFH Maui
- HDH Harmonia, Colour range
- DDM (option)
- XDM Hemera
- MFR Maui
- CDM

### 1 DISPLAY

Information is displayed when the remote control is on.

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



### 2 TRANSMITTER

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

### 3 SENSOR

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

### 4 ON/OFF BUTTON

This button turns the air conditioner ON and OFF.

### 5 MODE SELECTOR BUTTON

Press this button to change the mode.

	<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.

 <b>AUTO</b>	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.



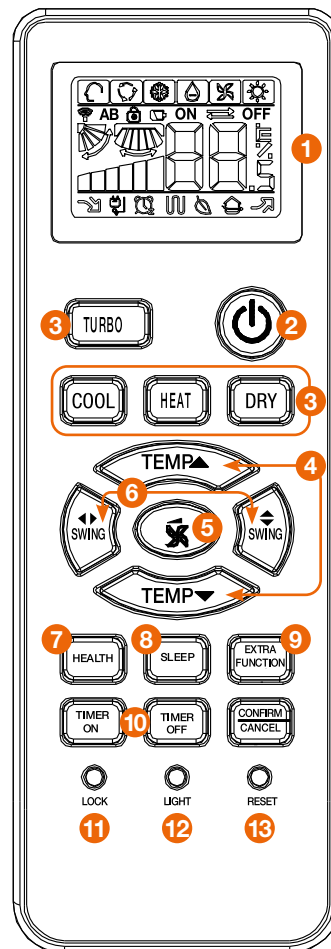
## COMPATIBLE PRODUCTS

SDM

### 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	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> ◀▶  <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

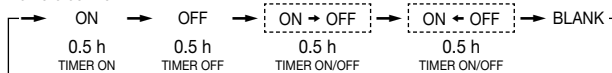
Use this function when you need silence to read or rest. Press the SILENT button, the remote control displays  , then activate the Silent function.

## 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.



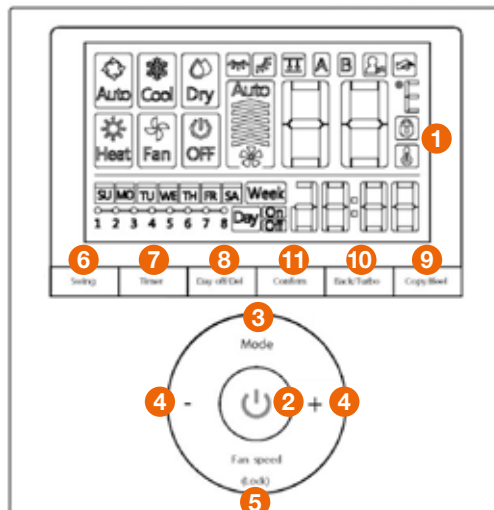
## COMPATIBLE PRODUCTS

- DDM
- CDM (optional)
- FDM (optional)

### 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

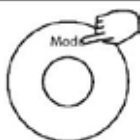


### 2 ON/ OFF BUTTON



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.

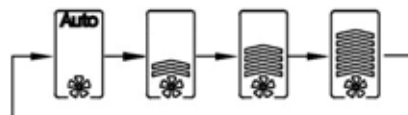
### 4 TEMPERATURE SETTING BUTTONS

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


## 7 TIMER BUTTON (PROGRAMMING)

	<b>WEEKLY programming</b> 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> Use this programming function to start and stop the air conditioner. The timer is activated and the air conditioner starts, and stops when the set time has elapsed.




## 6 + 7 BUTTON BEEP FUNCTION

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


## 8 DAY OFF/DEL BUTTON

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

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

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

## 10 TURBO BUTTON

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

## 11 CONFIRM BUTTON

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

## MANAGEMENT OF ALARM CODES

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

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



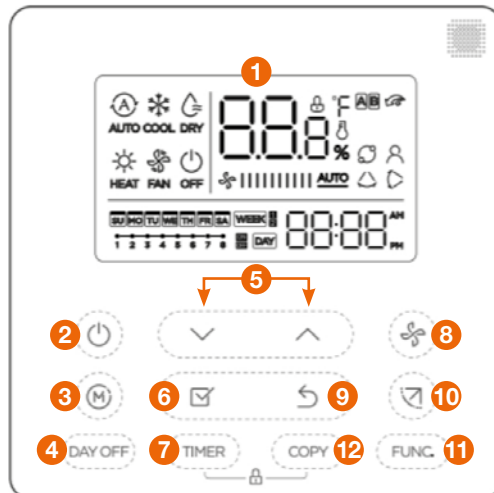
## COMPATIBLE PRODUCTS

- DDM (optional)
- CDM (optional)
- FDM (optional)
- XDM (optional)

### 1 DISPLAY

Information is displayed when the remote control is on.

	Operation mode indication
	Fan speed indication
	Temperature display
	Lock indication
	°C / °F indication
	Main unit and secondary unit indication
	Turbo function indication
	Room temperature indication
	Rotating indication
	Follow Me function indication
	Left-right swing indication (some models)
	Clock display
	On/Off timer
	Timer display



### 2 POWER BUTTON

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

### 3 MODE BUTTON

Press the Mode button to select the operating mode (the heating function is invalid for cooling-only units).

	Auto
	Dehumidify
	Heating
	FAN
	Cooling

### 4 DAY OFF/DEL BUTTON

- During the weekly timer, pressing the Del button once, display "0h".
- Press this button twice, display "1h" and wait 3 seconds to confirm. It means the unit will override 1 hours.
- Press this button three times, display "2h" and wait 3 seconds to confirm. It means the unit will override 2 hours.

### 5 ADJUST BUTTON

This button allows you to adjust the temperature as well as scroll through the different functions.



## 6 CONFIRM BUTTON

Press once to confirm your choices during programming.

## 7 TIMER BUTTON

### WEEKLY TIMER

Use this timer function to set operating times for each day of the week.

### ON TIMER

Use this timer function to start air conditioner operation. The timer operates and air conditioner operation starts after the time has passed.

### OFF TIMER

Use this timer function to stop air conditioner operation. The timer operates and air conditioner operation stops after the time has passed.

### ON AND OFF TIMER

Use this timer function to start and stop air conditioner operation. The timer operates and air conditioner operation starts and stops after the time has passed.

## 8 FAN SPEED BUTTON

Press the Fan speed button to set the fan speed. (This button is unavailable when in the mode of Auto or Dry).

## 9 BACK BUTTON


It allows you to go back when programming or choosing a mode.

## 10 SWING BUTTON

Use the Swing button to adjust the direction of the flaps.

## 11 FUNCTION BUTTON

### TURBO

Under COOL/HEAT mode, press the FUNC. Button to activate the turbo function. Press the button again to deactivate the turbo function. When the turbo function is activated, the  mark appears.

### ROTATION

When there are two units, press the button to select the rotating function, and press "Confirm" to turn on or off the rotating function.

### FOLLOW ME

Press the FUNC. button to select whether the room temperature is detected at the indoor unit or the wire controller.

## 12 COPY BUTTON

Copy out the setting in one day into the other day. A reservation made once can be copied to another day of the week. The effective use of the copy mode ensures ease of making reservations.

## MORE FUNCTIONS

### POWER OFF MEMORY

After a power failure, the RCW26 remote control restores the previous operating modes.

### CHILD LOCK

This function can lock the RCW26 wired controller and prevent erroneous or mischievous setting change.

### REMOTE CONTROL COMPATIBLE

With Infrared Receiver built-in, RCW26 wired control can receive the signals from remote controller and realize conventional functions.

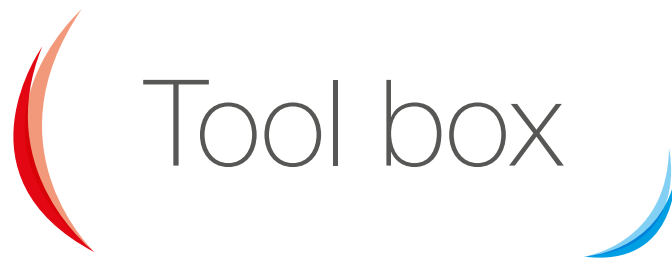
### FOLLOW ME

The wired remote control RCW26 has an integrated temperature sensor.

The Follow-Me button activates this sensor, which detects and adjusts the room temperature to ensure a better comfort.

## TECHNICAL INDICATION AND REQUIREMENT

EMC and EMI comply with the CE certification requirements.



# Tool box

## MEASURE UNITS CONVERSION

Length			
1 inch (in)	0.0254 m		
1 foot (ft)	12 inches	0.3048 m	
1 yard (yd)	3 feet	0.9143 m	
1 mile (mi)	1.760 yards	1609 m	
1 nautical mile (nmi)	1852 m		
1 meter (m)	39.37 inches	3.28084 feet	1.09361 yard

mm	Inches
6.35	1/4
9.52	3/8
12.70	1/2
15.88	5/8
19.05	3/4
22.22	7/8
25.40	1
28.58	1"1/8
31.75	1"1/4
38.10	1"1/2

Volume	
1 cubic inch (cu in)	16.387064 cm <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  $\text{W/m}^3/\text{°C}$ . This coefficient is related to the building isolation.

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

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

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

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

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

### STEP 2: EXTERIOR UNITS SELECTION

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

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

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

## CLASSIFICATION OF PRODUCTS

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

### 1. UNDERSTANDING PRODUCT REFERENCE

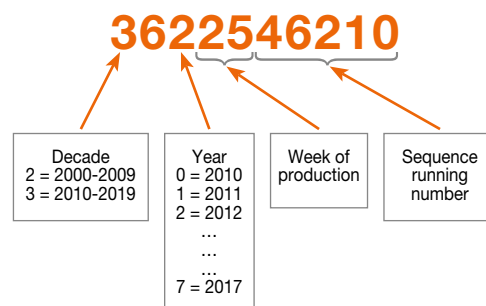
Brand	Type	Type	Technology	Capacity		Mode	Refrigerant fluid	Power supply								
				BTU	kW											
AW	AIRWELL	Y	Air outdoor unit	H	High wall	D	Inverter DC	007	7000	2,2	C	Cooling only	1	R410A	1	230-1-50
		None	Indoor unit	F	Floor ceiling	F	Fixed speed	009	9000	2,5	H	Heat pump reversible	2	R407C	2	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 refrigerant 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.





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AIR CONDITIONING & HEATING

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