

Airwell

Just feel well

Products catalogue 2021/2022



RESIDENTIAL AND COMMERCIAL RANGES

AIRWELL MAKES LIFE EASIER WITH DEDICATED SERVICES

Professionnals



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TECHNICAL DOCUMENTATION

Find here all the documentation you need

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TRAININGS



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ACADEMY

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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

Blygold®



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	HDH Harmonia	R32	10		●	●	●	●
   HIGH WALL Optimal design and comfort: new range of colors, integrated ionizer, high filtration, WiFi	 HDH Harmonia Colour range	R32	12		●	●	●	●
 HIGH WALL Operates with refrigerant with low environmental impact	HKD Horus	R32	14		●	●	●	●



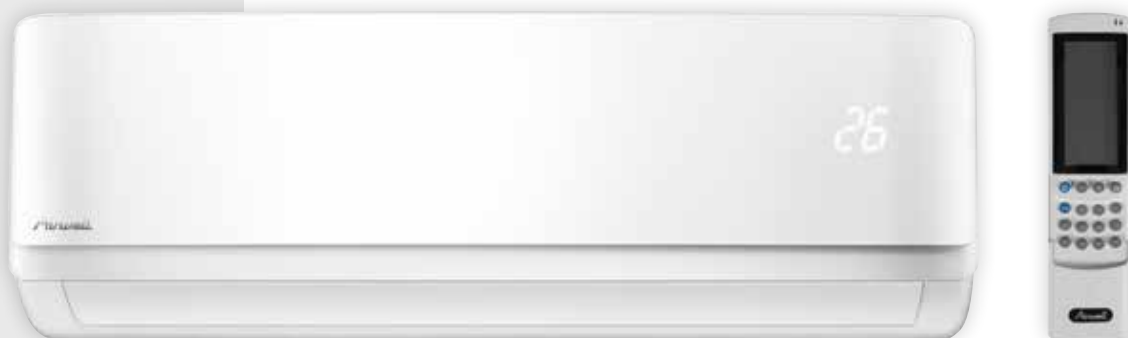
DC Inverter
Cooling & heating

HDH HARMONIA

HIGH WALL

A⁺⁺

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

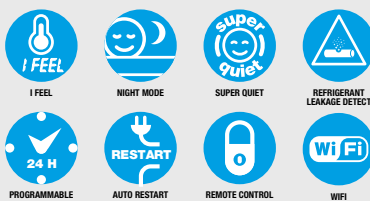
TECHNOLOGY:



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



- 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
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)
Pdesignnc	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)
Pdesignnh (average climate)	kW	2.70	2.80	4.00	5.20
Pdesignnh (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
Part number		7SP023186	7SP023187	7SP023188	7SP023189
OUTDOOR UNIT					
Sound pressure level to 1 m	dB (A)	55	54	57	60
Sound power level	dB (A)	59	60	64	66
Airflow	m³/h	2000	2000	2100	2700
Compressor type		Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm	770x555x300	770x555x300	800x554x333	845x700x320
Package dimensions (WxHxD)	mm	900x585x345	900x585x345	920x615x390	965x765x395
Net weight/Gross weight	kg	27.2/29.7	27/29.4	37/39.9	50/53.1
Part number		7SP063035	7SP063036	7SP063037	7SP063038
POWER SUPPLY					
Phase/Voltage/Frequency		1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating am (D curve)	A	10	10	16	25
Electrical connections	mm²	5x1.5	5x1.5	5x1.5	5x2.5
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Max. length	m	25	25	30	50
Max. height	m	10	10	20	25
Refrigerant/GWP		R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg	0.7	0.8	1.25	1.6
Additional charge	g/m	12	12	12	24

COMBINATIONS

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



+ 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



- 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	
	Monosplit	Multisplit
High wall	YHDH	YDZC
HDH Harmonia Colour range		



+ 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



24 H
PROGRAMMABLE
TIMER



RESTART



REMOTE CONTROL
LOCK

INSTALLER FUNCTIONS:



ERROR CODE VIA
INDOOR UNIT



SELF DIAGNOSTIC



LEFT/RIGHT DRAIN
CONNECTION



HEATING
ONLY MODE

CERTIFICATION

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Check ongoing validity of certificate:
www.eurovent-certification.com



- Certified in Monosplit configuration

THE «SUSTAINABLE DEVELOPMENT»

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

THE «USER»

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

THE «INSTALLER»

- Technician mode on remote control

THE «TECHNOLOGY»

- High corrosion resistance with the Golden Fin
- 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
COOLING					
Rated power (min./max.)	kW	2.66 (0.91-3.40)	3.56 (1.11-4.16)	5.29 (1.82-6.13)	7.16 (2.08-7.95)
Pdesignnc	kW	2.60	3.50	5.20	7.00
Rated power input	kW	0.79	1.18	1.52	2.59
SEER/Energy label		6.2/A++	6.1/A++	7.1/A++	6.1/A++
Operating limits	°C	-15°/50° Dry bulb			
HEATING					
Rated power (min./max.)	kW	2.93 (0.82-3.37)	3.81 (1.08-4.22)	5.39 (1.38-6.74)	7.16 (1.61-8.79)
Pdesignnh (average climate)	kW	2.10	2.30	4.10	4.80
Pdesignnh (warmer climate)	kW	2.60	2.70	4.50	6.40
Rated power input	kW	0.74	1.06	1.56	2.43
SCOP/Energy label (average climate)		4/A+	4/A+	4/A+	4/A+
SCOP/Energy label (warmer climate)		4.9/A++	4.6/A++	5.2/A+++	5.0/A++
Operating limits	°C	-20°/30° Dry bulb			
Power @ -10 °C	kW	1.77	2.30	4.10	4.65
Power @ -15 °C	kW	1.42	2.00	3.50	3.72
INDOOR UNIT					
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	21/26/30/40	22/26/34/40	25/30/37/44	28/34/42/44
Sound power level	dB(A)	53	53	55	59
Airflow (LS/MS/HS)	m³/h	360/460/520	360/500/600	540/680/840	662/817/980
Outline dimensions (WxHxD)	mm	805x285x194	805x285x194	957x302x213	1040x327x220
Package dimensions (WxHxD)	mm	870x360x270	870x360x270	1035x380x295	1120x405x310
Net weight/Gross weight	kg	7.5/9.7	7.5/9.7	10/13	12.3/15.8
Part number		7SP023135	7SP023136	7SP023137	7SP023138
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	55	56	56	59
Sound power level	dB(A)	61	65	61	67
Airflow	m³/h	1700	1700	2500	3000
Compressor type		Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm	700x550x275	700x550x275	800x554x333	845x702x363
Package dimensions (WxHxD)	mm	815x615x325	815x615x325	920x615x390	965x765x395
Net weight/Gross weight	kg	22.7/25.2	22.7/25.2	34/36.7	51.5/54.5
Part number		7SP063040	7SP063041	7SP063042	7SP063043
POWER SUPPLY					
Phase/Voltage/Frequency		1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating am (D curve)	A	10	10	16	20
Electrical connections	mm²	5x1.5	5x1.5	5x1.5	5x2.5
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Max. length	m	25	25	30	50
Max. height	m	10	10	20	25
Refrigerant/GWP		R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg	0.5	0.5	1	1.6
Additional charge	g/m	12	12	12	24

COMBINATIONS

Indoor unit	Compatible with outdoor unit	
High wall	Monosplit	Multisplit
 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

		INDOOR UNITS				
		High wall HDH Harmonia	High wall HKD Horus	Ducted medium static pressure DDM	Cassette CDM	Console XDM Hemera
OUTDOOR UNITS	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



A⁺⁺



+ 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



* 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

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



Golden Fin: anti-corrosion protection on the exchanger



YDZC TECHNICAL DATA

Outdoor unit			AW-YDZC218-H91	AW-YDZC327-H91*	AW-YDZC436-H91*	AW-YDZC542-H91*
Phase			Single phase	Single phase	Single phase	Single phase
OUTDOOR UNIT						
Cooling	Rated power (min./max.)	kW	5.20 (1.13-5.56)	7.91 (2.16-8.49)	10.55 (3.64-12.31)	12.31 (2.98-12.60)
	Pdesignnc	kW	5.20	8.00	11.00	13.00
	Rated power input	kW	1.61	2.45	3.30	4.32
	SEER/Energy label		6.1/A++	6.2/A++	6.3/A++	6.2/A++
	Operating limits	°C	-15°/50° Dry bulb			
Heating	Rated power (min./max.)	kW	5.48 (1.79-5.86)	8.21 (2.04-9.37)	10.84 (2.85-12.02)	12.30 (2.75-12.60)
	Pdesignnh (average climate)	kW	5.00	5.60	9.00	9.20
	Pdesignnh (warmer climate)		5.10	5.70	9.10	9.30
	Rated power input	kW	1.37	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
POWER SUPPLY						
Phase/Voltage/Frequency			1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz
Power supply side			Outdoor	Outdoor	Outdoor	Outdoor
Power cable section		mm²	3x2.5	3x2.5	3x2.5	3x4
Fuse rating am (D curve)		A	20	20	25	32
Electrical connections		mm²	2 x (4x1.5)	3 x (4x1.5)	4 x (4x1.5)	5 x (4x1.5)
PIPE LINE						
Suction pipe diameter		inches	2x3/8"	3x3/8"	3x3/8"+1x1/2"	4x3/8"+1x1/2"
Liquid pipe diameter		inches	2x1/4"	3x1/4"	4x1/4"	5x1/4"
Max. length		m	40	60	80	80
Max. length per circuit		m	25	30	35	35
Max. height between indoor and outdoor units	ODU higher than IDU	m	15	15	15	15
	ODU lower than IDU	m	15	15	15	15
Max. height between indoor units		m	10	10	10	10
Refrigerant/GWP		kg	R32/675	R32/675	R32/675	R32/675
Charge		kg	1.25	1.72	2.1	2.4
Totale length charge		m	15	22.5	30	37.5
Additional charge		g/m	12	12	12	12



HIGH WALL
HDH 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
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"
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
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Part number		7SP023135	7SP023136	7SP023137	7SP023138

DUCTED MEDIUM STATIC
PRESSURE DDM 12/18



DDM INDOOR UNITS TECHNICAL DATA

Indoor unit		AW-DDM012-N91	AW-DDM018-N91
Phase		Single phase	Single phase
Cooling rated capacity	kW	3.53	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
PIPE LINE			
Suction pipe diameter	inches	3/8"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"
Part number		7SP033031	7SP033032

CASSETTE
CDM 9X/12/18

CONSOLE XDM
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
FRAME						
Outline dimensions (WxHxD)	mm	647x50x647	647x50x647	647x50x647		
Package dimensions (WxHxD)	mm	715x123x715	715x123x715	715x123x715		
Net weight/Gross weight	kg	2.5/4.5	2.5/4.5	2.5/4.5		
Frame part number		7ACVF0566	7ACVF0566	7ACVF0566		
PIPE LINE						
Suction pipe diameter	inches	3/8"	3/8"	1/2"	3/8"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"	1/4"
Part number		7SP042261X	7SP042262	7SP042263	7SP071413X	7SP071414


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


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

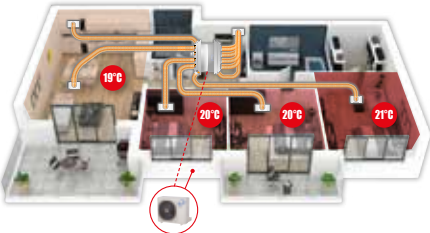

YDZC542 MULTISPLIT CINCO

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	DDM	R32	26		●	●	●	●	●	●
 ZONE BY ZONE REGULATION The ideal temperature in each room	WELLZONE		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



* 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
COOLING								
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						
HEATING								
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
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	26/31/35	33/38/42	38/40/42	39/42/45	40/43/50	48/50/51	51/52/54
Sound power level	dB(A)	56	59	62	62	63	68	71
Airflow (LS/MS/HS)	m³/h	300/480/600	350/650/880	839/1054/1248	750/1150/1400	750/1150/1400	1680/2040/2400	1820/2210/2600
External static pressure (standard/max.)	Pa	25 (0-60)	25 (0-100)	25 (0-160)	37 (0-160)	37 (0-160)	50 (0-160)	50 (0-160)
Dehumidification	l/h	1.5	2.0	3.0	3.8	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	700x200x506	880x210x674	1100x249x774	1360x249x774	1360x249x774	1200x300x874	1200x300x874
Package dimensions (WxHxD)	mm	860x285x540	1070x280x725	1305x305x805	1570x305x805	1570x305x805	1405x355x915	1405x355x915
Net weight/Gross weight	kg	18/22	24.3/29.6	31.5/38.9	40.5/48.5	40.5/48.5	47.6/55.8	47.6/55.8
Part number		7SP033031	7SP033032	7SP033033	7SP033034	7SP033034	7SP033035	7SP033036
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	56	55	61	63	64	66	64
Sound power level	dB(A)	62	62	66	68	68	72	74
Airflow	m³/h	2000	2000	2700	4000	4000	7500	7500
Compressor type		Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm	920x615x390	920x615x390	965x765x395	1090x875x500	1090x875x500	1095x1480x495	1095x1480x495
Net weight/Gross weight	kg	34.7/37.5	33.7/36.6	49.4/52.8	66.8/73.4	81.5/87.0	106.7/119.9	111.3/124.3
Part number		7SP063050	7SP063051	7SP063052	7SP063053	7SP063054	7SP063055	7SP063056
POWER SUPPLY								
Phase/Voltage/Frequency		1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	1P/220-240V/50Hz	3P/380-410V/50Hz	3P/380-410V/50Hz	3P/380-410V/50Hz
Power supply side		Outdoor	Outdoor	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.
Power cable section	mm²	3x1.5	3x1.5	3x1.5+3x2.5	3x1.5+3x4	3x1.5+5x2.5	3x1.5+5x2.5	3x1.5+5x2.5
Fuse rating am (D curve)	A	16	16	10+25	10+30	10+20	10+25	10+25
Electrical connections	mm²	4x1.5	4x1.5	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5
PIPE LINE								
Suction pipe diameter	inches	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Max. length	m	25	30	50	65	65	65	65
Max. height	m	10	20	25	30	30	30	30
Refrigerant/GWP		R32/675	R32/675	R32/675	R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg	0.87	1.15	1.5	2.4	2.4	2.8	2.95
Additional charge	g/m	12	12	24	24	24	24	24
R410A YMD outdoor unit compatible*		AWAU-YMD012-H11	AWAU-YMD018-H11	AWAU-YMD024-H11	AWAU-YMD036-H11	-	AWAU-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	Monosplit	Multisplit
DDM 12 & 18 	YDFA 	YDZC 
DDM 24 & 36 	YDFA 	
DDM 48 & 60 	YDFA 	

Wellzone: The ideal temperature in each room

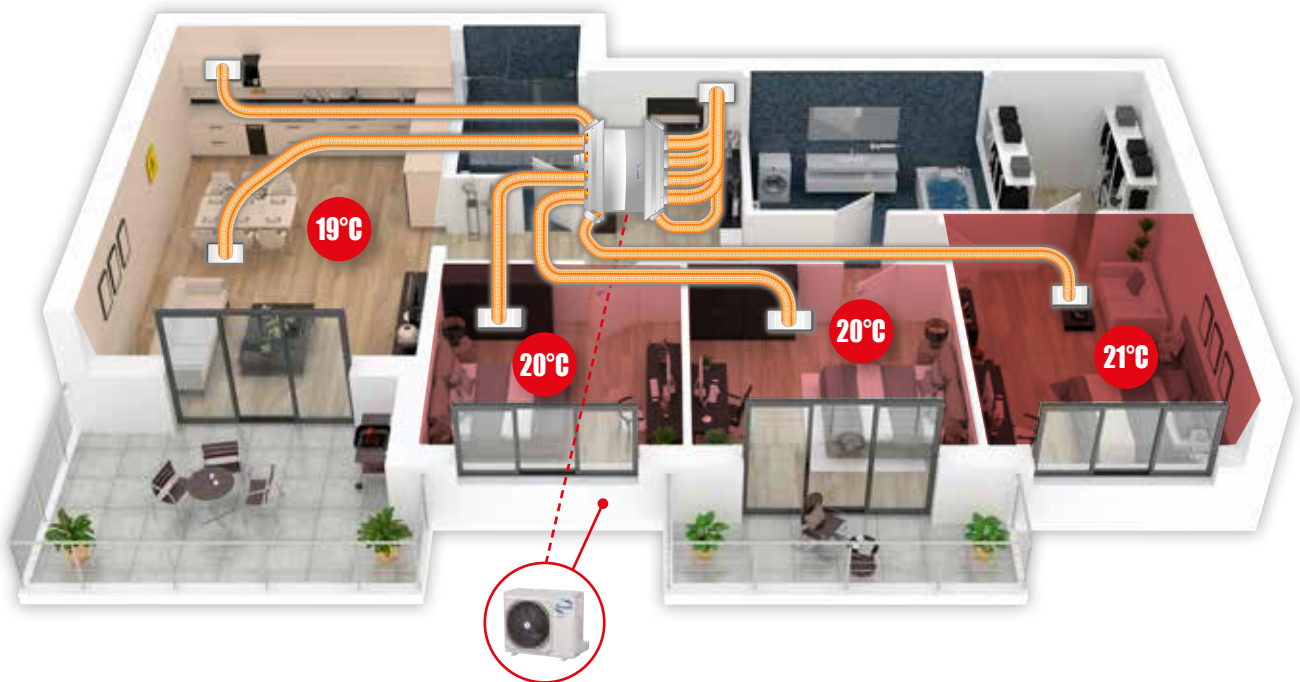
INFO!

This solution works with the DDM 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⁺⁺



CDM 024-048

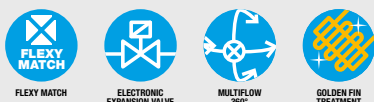


+ PRODUCTS

- 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



* models so marked are not Eurovent certified

THE «SUSTAINABLE DEVELOPMENT»

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

THE «USER»

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

THE «INSTALLER»

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

THE «TECHNOLOGY»

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



360° AIRFLOW WITH ROUND CORNERS



OPTIONS

Accessory	Part number	Photo	Function
Wired single control RCW11	7ACEL1774		Weekly timer, mode, fan speed, timer On/Off, "I Feel" function, temperature.
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
COOLING								
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			
HEATING								
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
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	31/34/39	33/36/41	35/39/42	40/43/47	46/49/52	46/49/52	49/50/52
Sound power level	dB(A)	54	56	56	59	61	62	65
Airflow (LS/MS/HS)	m³/h	400/504/580	416/504/617	540/625/720	1032/1200/1378	1438/1620/1775	1438/1620/1775	1381/1568/1715
Dehumidification	l/h	1.2	1.5	2	3	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	570x260x570	570x260x570	570x260x570	840x245x840	840x245x840	840x245x840	840x287x840
Package dimensions (WxHxD)	mm	662x317x662	662x317x662	662x317x662	900x265x900	900x265x900	900x265x900	900x292x900
Net weight/Gross weight	kg	14.5/17.3	16.2/21.4	16.2/21.4	24/28	27.5/31	27.5/31	29/32.7
Part number		7SP042261X	7SP042262	7SP042263	7SP042264	7SP042265	7SP042265	7SP042266
FRAME								
Outline dimensions (WxHxD)	mm	647x50x647	647x50x647	647x50x647	950x55x950	950x55x950	950x55x950	950x55x950
Package dimensions (WxHxD)	mm	715x123x715	715x123x715	715x123x715	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
Net weight/Gross weight	kg	2.5/4.5	2.5/4.5	2.5/4.5	5/8	5/8	5/8	5/8
Frame part number		7ACVF0566	7ACVF0566	7ACVF0566	7ACVF0564	7ACVF0564	7ACVF0564	7ACVF0564
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)		55	55	62	65	64	66
Sound power level	dB(A)		62	65	66	68	68	72
Airflow	m³/h		2000	2000	2700	4000	4000	7500
Compressor type			Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm		800x554x333	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415
Package dimensions (WxHxD)	mm		920x615x390	920x615x390	965x765x395	1090x875x500	1090x875x500	1095x1480x495
Net weight/Gross weight	kg		34.7/37.5	33.7/36.6	49.4/52.8	66.8/73.4	81.5/87.0	106.7/119.9
Part number			7SP063050	7SP063051	7SP063052	7SP063053	7SP063054	7SP063055
POWER SUPPLY								
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/400V/50Hz	3P/400V/50Hz
Power supply side			Outdoor	Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²		3x1.5	3x1.5	3x1.5+3x2.5	3x1.5+3x4	3x1.5+3x4	3x1.5+5x2.5
Fuse rating am (D curve)	A		16	16	10+25	10+30	10+20	10+25
Electrical connections	mm²	4x1.0	4x1.5	4x1.5	2x0.5	2x0.5	2x0.5	2x0.5
PIPE LINE								
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"
Max. length	m		25	30	50	65	65	65
Max. height	m		10	20	25	30	30	30
Refrigerant/GWP			R32/675	R32/675	R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg		0.87	1.15	1.5	2.4	2.4	2.8
Additional charge	g/m		12	12	24	24	24	24
R410A YMD outdoor unit compatible*		-	AWAU-YMD012-H11	AWAU-YMD018-H11	AWAU-YMD024-H11	AWAU-YMD036-H11	-	AWAU-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	
Cassette	Monosplit	Multisplit
CDM 9X 		YDZC 
CDM 12 & 18 	YDFA 	YDZC 

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



Floor ceiling, 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
 FDM FLOOR CEILING Large scope air		R32	36			●	●	●	●	●
 FWDB LOW TEMPERATURE FLOOR CEILING Dedicated design for low temperature rooms		R32	38			●	●			
 XDM Hemera CONSOLE DUAL FLOW Ideal solution for replacement of electric heaters		R32	40		●	●				
 SDM FLOOR STANDING High volume room		R410A	42						●	

A⁺⁺



+ 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



* 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»

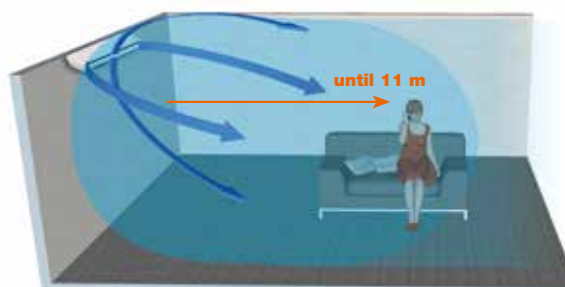
→ Parameters can be read on the indoor unit

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
COOLING							
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)
Pdesignnc	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					
HEATING							
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)
Pdesignnh (average climate)	kW	4.90	5.40	8.70	9.10	11.50	12.20
Pdesignnh (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
INDOOR UNIT							
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	34.5/38.5/41.5	41/46/49	42/46/50	42/46/50	46/50/54	42/47/54
Sound power level	dB(A)	58	61	61	61	66	69
Airflow (LS/MS/HS)	m³/h	650/760/880	853/1066/1208	1431/1844/2160	1431/1844/2160	1417/1930/2329	1426/1834/2454
Dehumidification	l/h	2	2.5	3.8	3.8	4.5	5.5
Outline dimensions (WxHxD)	mm	1068x675x235	1068x675x235	1650x675x235	1650x675x235	1650x675x235	1650x675x235
Package dimensions (WxHxD)	mm	1145x755x313	1145x755x313	1725x755x313	1725x755x313	1725x755x313	1725x755x313
Net weight/Gross weight	kg	28/33.3	26.8/31.9	41.5/48	41.5/48	41.2/47.6	41.4/47.8
Part number		7SP012263	7SP012264	7SP012265	7SP012265	7SP012266	7SP012267
OUTDOOR UNIT							
Sound pressure level to 1 m	dB(A)	55	62	65	64	66	66
Sound power level	dB(A)	62	66	68	68	72	74
Airflow	m³/h	2000	2700	4000	4000	7500	7500
Compressor type		Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI	Rotary DCI
Outline dimensions (WxHxD)	mm	800x554x333	845x702x363	946x810x410	946x810x410	952x1333x415	952x1333x415
Package dimensions (WxHxD)	mm	920x615x390	965x765x395	1090x875x500	1090x875x500	1095x1480x495	1095x1480x495
Net weight/Gross weight	kg	33.7/36.6	49.4/52.8	66.8/73.4	81.5/87.0	106.7/119.9	111.3/124.3
Part number		7SP063051	7SP063052	7SP063053	7SP063054	7SP063055	7SP063056
POWER SUPPLY							
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz	1P/230V/50Hz	3P/400V/50Hz	3P/400V/50Hz	3P/400V/50Hz
Power supply side		Outdoor	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.
Power cable section	mm²	3x1.5	3x1.5+3x2.5	3x1.5+3x4	3x1.5+5x2.5	3x1.5+5x2.5	3x1.5+5x2.5
Fuse rating am (D curve)	A	16	10+25	10+30	10+20	10+25	10+25
Electrical connections	mm²	4x1.5	2x0.5	2x0.5	2x0.5	2x0.5	2x0.5
PIPE LINE							
Suction pipe diameter	inches	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Max. length	m	30	50	65	65	65	65
Max. height	m	20	25	30	30	30	30
Refrigerant/GWP		R32/675	R32/675	R32/675	R32/675	R32/675	R32/675
Charge (5 m)	kg	1.15	1.5	2.4	2.4	2.8	2.95
Additional charge	g/m	12	24	24	24	24	24
R410A YMD outdoor unit compatible*		AWAU-YMD018-H11	AWAU-YMD024-H11	AWAU-YMD036-H11	-	AWAU-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
Floor ceiling	Monosplit
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



PROGRAMMABLE
TIMER



AUTO RESTART
(MEMORY)



REMOTE CONTROL
LOCK

INSTALLER FUNCTIONS:



ERROR CODE VIA
INDOOR UNIT



SELF DIAGNOSTIC



LEFT/RIGHT DRAIN
CONNECTION



ALARM OUTPUT



DRY CONTACT
ON/OFF



TECHNICIAN TEST
MODE

THE «SUSTAINABLE DEVELOPMENT»

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

THE «USER»

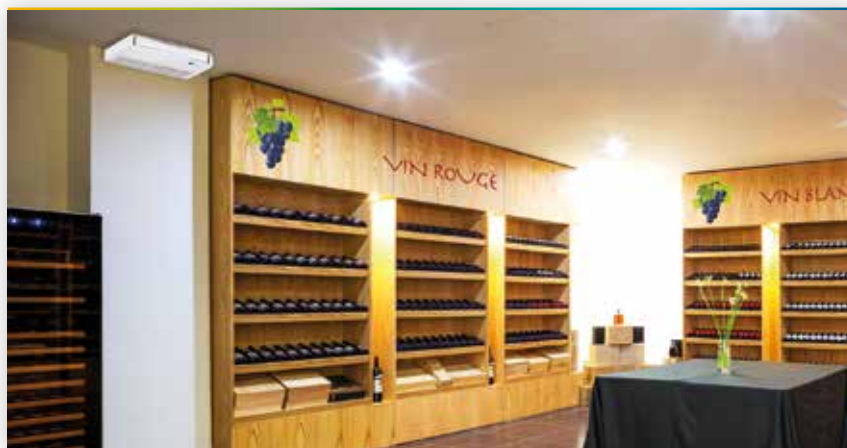
- Dedicated solution for low temperature locations (wine cellars, preparation rooms, household waste areas, etc.).
- The indoor unit is more compact and lighter than the previous version, allowing it to be easily integrated even in small spaces.
- With an optimized air flow rate, the desired temperature 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
COOLING			
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	
INDOOR UNIT			
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
OUTDOOR UNIT			
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
POWER SUPPLY			
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
PIPE LINE			
Suction pipe diameter	inches	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	3/8"
Max. length	m	15	20
Max. height	m	8	10
Refrigerant/GWP		R32/675	R32/675
Charge	kg	1.2	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

A⁺⁺



+ 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



24 H PROGRAMMABLE TIMER



REMOTE CONTROL LOCK

INSTALLER FUNCTIONS:



HEATING ONLY MODE

CERTIFICATION

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



* models so marked are not Eurovent certified

THE «SUSTAINABLE DEVELOPMENT»

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

THE «USER»

→ Air distribution through two outlets for greater comfort

THE «INSTALLER»

→ Suitable for rooms with limited height

THE «TECHNOLOGY»

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



2 AIR OUTLET WAYS



OPTIONS

Accessory	Part number	Photo	Function
Wired 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
COOLING			
Rated power (min./max.)	kW	3.5 (0.8-3.8)	4.84 (2.64 - 4.98)
Pdesignc	kW		4.80
Rated power input	kW		1.65
SEER/Energy label			6.3/A++
Operating limits	°C	-15°/50° Dry bulb	
HEATING			
Rated power (min./max.)	kW	3.8 (0.4-4.3)	4.98 (2.20 - 5.5)
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
INDOOR UNIT			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	35/41/43	35/39/42
Sound power level	dB(A)	58	60
Airflow (LS/MS/HS)	m³/h	370/480/512	400/480/560
Dehumidification	l/h	1.5	2
Outline dimensions (WxHxD)	mm	700x210x600	700x210x600
Package dimensions (WxHxD)	mm	810x305x710	810x305x710
Net weight/Gross weight	kg	14.8/19	14.8/19.1
Part number		7SP071413X	7SP071414
OUTDOOR UNIT			
Sound pressure level to 1 m	dB(A)		55
Sound power level	dB(A)		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
POWER SUPPLY			
Phase/Voltage/Frequency		1P/220-240V/50Hz	1P/220-240V/50Hz
Power supply side			Outdoor
Power cable section	mm²		3x1.5
Fuse rating am (D curve)	A		16
Electrical connections	mm²	4x1.5	4x1.5
PIPE LINE			
Suction pipe diameter	inches	3/8"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"
Max. length	m		30
Max. height	m		20
Refrigerant/GWP			R32/675
Charge	kg		1.15
Additional charge	g/m		12
R410A YMD outdoor unit compatible*		-	AWAU-YMD018-H11
Part number		-	7SP062972

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

COMBINATIONS		
Indoor unit	Compatible with outdoor unit	
Console	Monosplit	Multisplit
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 m³/h)

FEATURES

TECHNOLOGY:



ELECTRONIC
EXPANSION VALVE

AIR QUALITY/CLEAN:



AIR FILTER



AUTO
CLEAN/DRY

INSTALLER FUNCTIONS:



ERROR CODE VIA
INDOOR UNIT



SELF DIAGNOSTIC



THE + «USER»

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

THE + «INSTALLER»

- Ease of installation

THE + «TECHNOLOGY»

- Digital display

SDM TECHNICAL DATA

Indoor unit		AW-SDM048-N11
Outdoor unit		AW-YSDM048-H11
Phase		Single phase
COOLING		
Rated power (min./max.)	kW	12.5 (6.0-14.5)
Rated power input (min./max.)	kW	3.90 (2.0-6.0)
SEER/Energy label		5.1/A
Operating limits	°C	-15°/46° Dry bulb
HEATING		
Rated power (min./max.)	kW	13.0 (6.0-16.5)
Pdesignh (average climate)	kW	9.10
Pdesignh (warmer climate)	kW	10.00
Rated power input (min./max.)	kW	4.05 (2.0-6.0)
SCOP/Energy label (average climate)		3.5/A
SCOP/Energy label (warmer climate)		4.6/A++
Operating limits	°C	-15°/24° Dry bulb
INDOOR UNIT		
Sound pressure level to 1.5 m (LS/MS/HS)	dB(A)	44/48/51
Sound power level	dB(A)	69
Airflow (LS/MS/HS)	m³/h	1350/1500/1750
Dehumidification	l/h	5
Outline dimensions (WxHxD)	mm	1850x600x350
Package dimensions (WxHxD)	mm	1986x691x415
Net weight/Gross weight	kg	57/65
Part number		7SP011088
OUTDOOR UNIT		
Sound pressure level to 1 m	dB(A)	59
Sound power level	dB(A)	73
Airflow	m³/h	4200
Compressor type		Twin rotary
Outline dimensions (WxHxD)	mm	1008x830x410
Package dimensions (WxHxD)	mm	1142x1000x498
Net weight/Gross weight	kg	82/93
Part number		7SP062971
POWER SUPPLY		
Phase/Voltage/Frequency		1P/230V/50Hz
Power supply side		Outdoor
Power cable section	mm²	3x6
Fuse rating am (D curve)	A	25
Electrical connections	mm²	4x2.5
PIPE LINE		
Suction pipe diameter	inches	3/4"
Liquid pipe diameter	inches	3/8"
Max. length	m	50
Max. height	m	30
Refrigerant/GWP		R410A/2088
Charge (5m)	kg	2.85

COMBINATIONS

Indoor unit	Compatible with outdoor unit
Floor standing	Monosplit
SDM 	YSDM 



Monobloc range

MODEL NAME	Fluid type	Page	kBTU/h kW	9 2.5	12 3.5
 MFH Maui PORTABLE Cooling mode only	R290	46			
 MFR Maui PORTABLE Cooling and heating mode	R290	47			
 WFD WINDOW Prefabricated buildings solution	R32	48			
 XDA MONOBLOC CONSOLE Solution without outdoor unit	R32	49			

R290

Fixed speed
Cooling only

MFH MAUI

PORTABLE

A⁺

+ PRODUCTS

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

FEATURES

AIR QUALITY/CLEAN:



AIR FILTER



AUTO CLEAN/DRY

USER FUNCTIONS:



I FEEL



NIGHT MODE

24 H
PROGRAMMABLE
TIMERAUTO RESTART
(MEMORY)REMOTE CONTROL
LOCK

INSTALLER FUNCTIONS:



SELF DIAGNOSTIC

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
COOLING			
Rated power	kW	2.93	3.52
Rated power input	kW	0.945	1.357
Current	A	4.5	5.9
EER/Energy label		3,10/A+	2,60/A
Operating limits	°C	17°/35° Dry bulb	
INDOOR UNIT			
Type		Monobloc	Monobloc
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	50/51/52	50/51/52
Sound power level	dB(A)	56	63
Airflow (LS/MS/HS)	m³/h	355/370/420	355/370/420
Diameter flexible emission duct	mm	150	
Length range of heat emission duct	m	0.50 - 1.5	
Dehumidification	l/h	1.6	1.8
Outline dimensions (WxHxD)	mm	467x765x397	467x765x397
Package dimensions (WxHxD)	mm	515x890x440	515x890x440
Net weight/Gross weight	kg	31.8/35.7	33/36.5
Part number		7MB021060	7MB021061
POWER SUPPLY			
Phase/Voltage/Frequency		1P/230V/50Hz	1P/230V/50Hz
PIPE LINE			
Refrigerant/GWP		R290/20	R290/20
Charge	kg	0.21	0.22

* Packing 8 pieces minimum

MFR MAUI

PORTABLE

Fixed speed
Cooling & heating

R290



Optimal comfort:
reversible solution



A

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:



AIR FILTER



AUTO CLEAN/DRY

USER FUNCTIONS:



I FEEL



NIGHT MODE



24 H
PROGRAMMABLE
TIMER



RESTART
(MEMORY)



REMOTE CONTROL
LOCK

INSTALLER FUNCTIONS:



SELF DIAGNOSTIC



WIFI

MFR MAUI TECHNICAL DATA

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

* Packing 8 pieces minimum

Monobloc



DC Inverter
Cooling only

WFD WINDOW



+ PRODUCTS

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

FEATURES

USER FUNCTIONS:



NIGHT MODE



AUTO RESTART
(MEMORY)

INSTALLER FUNCTIONS:



SELF DIAGNOSTIC

THE «SUSTAINABLE DEVELOPMENT»

→ R32 ecological fluid, low energy consumption

THE «USER»

→ Ideal for modular construction

THE «INSTALLER»

→ Ease of installation

THE «TECHNOLOGY»

→ Inverter technology

WFD TECHNICAL DATA

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

XDA

MONOBLOC CONSOLE

DC Inverter
Reversible



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

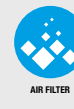
→ Monobloc (no outdoor unit)

+ PRODUCTS

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

FEATURES

AIR QUALITY / CLEAN:



USER FUNCTIONS:



INSTALLER FUNCTIONS:



XDA TECHNICAL DATA

Indoor unit		AW-XDA009-N91
Phase		Single phase
COOLING		
Rated power	kW	2.35 (1.5~3.0)
Rated power input	kW	0.90
EER/Energy label		2.61/A
Operating limits	°C	-10°/43° Dry bulb
HEATING		
Rated power	kW	2.36 (1.0~2.8)
Rated power input	kW	0.76
COP/Energy label		3.11/A
Operating limits	°C	-15°/24° Dry bulb
INDOOR UNIT		
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		7SP071430
POWER SUPPLY		
Phase/Voltage/Frequency		1P/220-240V/50Hz
Power cable section	mm²	3x2.5
Fuse rating am (D curve)	A	10
PIPE LINE		
Refrigerant/GWP		R32/675
Charge	kg	0.39



Water range

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



DC Inverter
Cooling & heating

XDO WATER CONSOLE

A⁺⁺

Optimal comfort:
reversible solution

+ PRODUCTS

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

FEATURES

USER FUNCTIONS:



THE «SUSTAINABLE DEVELOPMENT»

→ Reduced water consumption thanks to the integrated modulating valve

THE «USER»

→ Compact

→ Quiet

→ Ideal solution for historic buildings (monobloc)

THE «INSTALLER»

→ Plug & Play: hydraulic connection only

THE «TECHNOLOGY»

→ Compatible with water loop and public water supply

XDO TECHNICAL DATA

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

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

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



Fixed speed
Cooling only

GCAO WATER SOURCE

Unique
solution

No outdoor
unit



RC08A 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
CLEAN/DRY

INSTALLER FUNCTIONS:



NIGHT MODE



AUTO RESTART
(MEMORY)



REMOTE CONTROL
LOCK

THE «SUSTAINABLE DEVELOPMENT»

→ Reduced water consumption thanks to the pressostatic valve

THE «USER»

→ Ideal solution for historic buildings (split)

THE «INSTALLER»

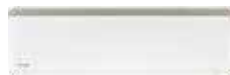
→ Proven technology, ease of installation

THE «TECHNOLOGY»

→ Compatible with water loop and public water supply

COMPATIBLE
WITH

HIGH WALL
HHFO



CASSETTE CAF



+ adaptor

DUCTED MEDIUM
STATIC PRESSURE DAF



+ adaptor

OPTIONS

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

GCAO TECHNICAL DATA

Outdoor unit		GCAO 9N	GCAO 12N	GCAO 18N	GCAO 24N
Phase		Single phase	Single phase	Single phase	Single phase
COOLING					
Rated power (min./max.)	kW	2.70	3.65	5.85	6.37
Rated power input	kW	0.68	0.94	1.34	1.90
EER/Energy label		4.19/A	3.88/B	4.37/A	3.76/B
Operating limits indoor temperature	°C	17°/32° Dry bulb			
Condenser inlet water temperature	°C	10°/45°			
WATER SOURCE					
Sound power level to 1 m	dB(A)	49	49	51	53
Waste water flow at + 15 °C	l/h	120	160	250	320
Recycled water flow 30/35 °C	l/h	600	850	1 250	1 550
Compressor type		Rotary	Rotary	Rotary	Rotary
Hydraulic connection pipe	inches	3/4"	3/4"	3/4"	3/4"
Dimensions (WxHxD)	mm	625x473x360	625x473x360	625x473x360	625x473x360
Weight	kg	41	45	50	56
Part number		7SP101040	7SP101041	7SP101045	7SP101044
PIPE LINE					
Suction pipe diameter	inches	3/8"	1/2" *	1/2"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"
Max. length	m	16	25	25	25
Max. height	m	15	15	15	15
INDOOR UNIT					
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
 WELLEA MONOBLOC	R32	58	Refurbishment	Cooling and heating	Optional	Monobloc system
 WELLEA MONOBLOC DF	R32	62	Refurbishment	Cooling and heating	Optional	Monobloc system
 WELLEA SPLIT	R32	64	New build	Cooling and heating	Optional	Compact solution
 WELLEA WT	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



WEEK TIMER



COOLING MODE
OPERATIONAL UP
TO 43°C OUTDOORS



HEATING MODE
OPERATIONAL DOWN
TO -25°C OUTDOORS



HIGH TEMPERATURE
UP TO 60°C



FLOOR HEATING



HIGH-TEMPERATURE
RADIATOR



LOW-TEMPERATURE
RADIATOR



BOILER BACKUP



ULTRA QUIET



WIFI



WATER
PROGRAMS



CEE

THE + «SUSTAINABLE DEVELOPMENT»

→ High energy class A+++

THE + «USER»

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

THE + «INSTALLER»

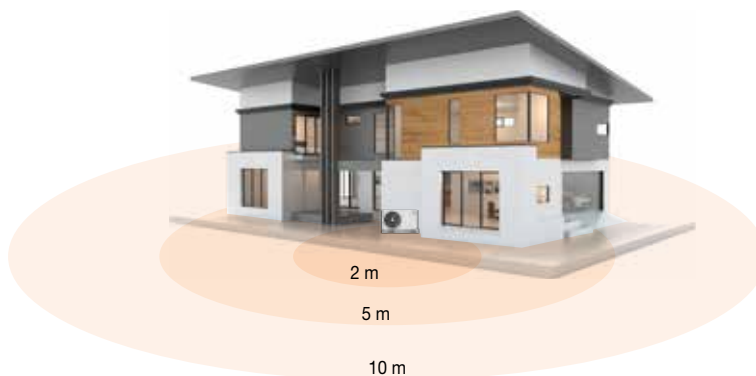
→ Customisable water program, allowing the entire heating circuit to be managed using the many available connections

THE + «TECHNOLOGY»

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



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
HEATING MODE						
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
	COP		5.10	4.95	5.15	4.95
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
	COP		3.10	3.00	3.20	3.05
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
	COP		2.70	3.80	3.70	3.85
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
	COP		2.95	2.95	3.18	3.10
COOLING MODE						
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
	EER		3.45	3.00	3.35	3.25
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
	EER		5.50	4.80	5.05	4.55
PERFORMANCE						
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		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
OPERATING LIMITS						
Outdoor air temperature	Cooling	°C	-5/43			
	Heating	°C	-25/35			
	DHW	°C	-25/43			
POWER SUPPLY						
Power supply			1P/220-240V/50Hz			
Electric backup heater		kW	0		3	
Max. current		A	12.00	14.00	29.00	30.00
INSTALLATION & OTHERS						
Airflow		m³/h	2770		4030	
Refrigerant	Type/GWP		R32/675			
	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	



Heat pumps
Cooling and heating

WELLEA MONOBLOC

MONOBLOC HEAT PUMP

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		
HEATING MODE								
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
	COP		4.95	4.60	4.50	4.95	4.60	4.50
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
	COP		3.00	2.85	2.70	3.00	2.85	2.70
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
	COP		3.75	3.70	3.50	3.75	3.70	3.50
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
	COP		3.05	2.95	2.85	3.05	2.95	2.85
COOLING MODE								
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
	EER		2.75	2.50	2.50	2.75	2.50	2.50
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
	EER		3.95	3.60	3.40	3.95	3.60	3.40
PERFORMANCE								
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
OPERATING LIMITS								
Outdoor air temperature	Cooling	°C	-5/43					
	Heating	°C	-25/35					
	DHW	°C	-25/43					
POWER SUPPLY								
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
INSTALLATION & OTHERS								
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		



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



WEEK TIMER



COOLING MODE
OPERATIONAL UP
TO 46°C OUTDOORS



HEATING MODE
OPERATIONAL DOWN
TO -25°C OUTDOORS



HIGH TEMPERATURE
UP TO 60°C



FLOOR HEATING



HIGH-TEMPERATURE
RADIATOR



LOW-TEMPERATURE
RADIATOR



BOILER BACKUP



ULTRA QUIET



WIFI



WATER PROGRAMS



CEE

THE + «SUSTAINABLE DEVELOPMENT»

→ High energy class A+++

THE + «USER»

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

THE + «INSTALLER»

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

THE + «TECHNOLOGY»

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



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			
HEATING MODE						
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
	COP		4.70	4.40	4.08	3.91
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
	COP		2.70	2.60	2.50	2.45
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
	COP		3.50	3.40	3.10	2.90
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
	COP		2.75	2.65	2.45	2.30
COOLING MODE						
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
	EER		3.05	2.95	2.70	2.55
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
	EER		4.75	4.60	4.30	4.00
PERFORMANCE						
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
OPERATING LIMITS						
Outdoor air temperature	Cooling	°C	-5/46			
	Heating	°C	-25/35			
	DHW	°C	-25/43			
POWER SUPPLY						
Power supply			3P/380-415V/50Hz			
Max. current		A	21.00	24.50	27.00	28.50
INSTALLATION & OTHERS						
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



PROGRAMMABLE
TIMER



WEEK TIMER



REMOTE CONTROL
LOCK



UNIT ON OUTPUT



HEATING MODE
OPERATIONAL DOWN
TO -25 °C OUTDOORS



HIGH TEMPERATURE
UP TO 60 °C



FLOOR HEATING



HIGH-TEMPERATURE
RADIATOR



LOW-TEMPERATURE
RADIATOR



BOILER
REPLACEMENT



BOILER BACK-UP



WATER PROGRAMS



CEE

THE + «SUSTAINABLE DEVELOPMENT»

→ High energy class A+++

THE + «USER»

- Compatible with all emitters
- Great flexibility of use
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THE + «INSTALLER»

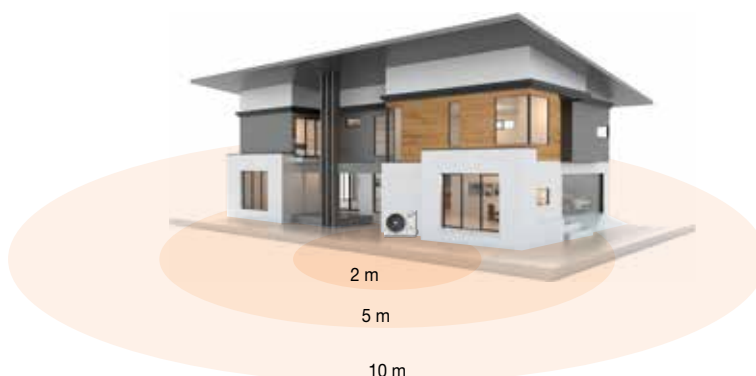
→ Customisable water program, allowing the entire heating circuit to be managed using the many available connections

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		
HEATING MODE												
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
	COP		5.20	5.00	5.20	5.00	4.95	4.70	4.50	4.95	4.70	4.50
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
	COP		3.15	3.05	3.25	3.15	3.00	2.80	2.70	3.00	2.80	2.70
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
	COP		3.80	3.75	3.95	3.80	3.80	3.65	3.6	3.80	3.65	3.60
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
	COP		2.95	3.00	3.18	3.10	3.10	3.00	2.90	3.10	3.00	2.90
COOLING MODE												
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
	EER		3.45	3.00	3.38	3.30	2.75	2.55	2.45	2.75	2.55	2.45
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
	EER		5.55	4.90	5.05	4.80	4.00	3.60	3.40	4.00	3.6	3.40
PERFORMANCES												
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
OPERATING LIMITS												
Outdoor temperature	Cooling	°C	-5/43				-5/43					
	Heating	°C	-25/35				-25/35					
	DHW	°C	-25/43				-25/43					
POWER SUPPLY												
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
INSTALLATION & OTHERS												
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					
INDOOR UNIT DATA												
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		
PERFORMANCES												
Sound power level		dB(A)	38		42		43			43		
Sound pressure level (1m)		dB(A)	28		30		32			32		
POWER SUPPLY												
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		
INSTALLATION & OTHERS												
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



PROGRAMMABLE
TIMER



WEEK TIMER



REMOTE CONTROL
LOCK



UNIT ON OUTPUT



HEATING MODE
OPERATIONAL DOWN
TO -25°C OUTDOORS



HIGH TEMPERATURE
UP TO 60 °C



DOMESTIC HOT
WATER



FLOOR HEATING



HIGH-TEMPERATURE
RADIATOR



LOW-TEMPERATURE
RADIATOR



BOILER
REPLACEMENT



BOILER BACK-UP



WATER PROGRAMS



CEE

THE + «SUSTAINABLE DEVELOPMENT»

→ High energy class A+++

THE + «USER»

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

THE + «INSTALLER»

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

THE + «TECHNOLOGY»

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



ECONOMIC: HOT SANITARY WATER THANKS TO SOLAR ENERGY

WELLEA WT TECHNICAL DATA

Outdoor unit			AW- 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										
HEATING MODE																				
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								
	COP		5.20	5.00	5.20	5.00	4.95	4.70	4.50	4.95	4.70	4.50								
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								
	COP		3.15	3.05	3.25	3.15	3.00	2.80	2.70	3.00	2.80	2.70								
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								
	COP		3.80	3.75	3.95	3.80	3.80	3.65	3.60	3.80	3.65	3.60								
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								
	COP		2.95	3.00	3.18	3.10	3.10	3.00	2.90	3.10	3.00	2.90								
COOLING MODE																				
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								
	EER		3.45	3.00	3.38	3.30	2.75	2.55	2.45	2.75	2.55	2.45								
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								
	EER		5.55	4.90	5.05	4.80	4.00	3.60	3.40	4.00	3.60	3.40								
PERFORMANCES																				
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								
OPERATING LIMITS																				
Outdoor temperature	Cooling	°C	-5/43				-5/43													
	Heating	°C	-25/35				-25/35													
	DHW	°C	-25/43				-25/43													
POWER SUPPLY																				
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	
INSTALLATION & OTHERS																				
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"											
INDOOR UNIT DATA																				
Indoor unit			AW-WHPSAT10190-N91				AW-WHPSAT16240-N91				TBC									
Part number			7HP010019				7HP010020				TBC									
Phase			Monophasé				Monophasé				TBC									
TANK																				
Capacity		l	1P/220-240V/50Hz				1P/220-240V/50Hz				TBC									
Electric heater DHW		kW	TBC				TBC				TBC									
Electric heater		kW	TBC				TBC				TBC									
PERFORMANCES																				
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	124								
Sound power level		dB(A)	38		40		44													
Sound pressure level (1m)		dB(A)	TBC		TBC		TBC													
POWER SUPPLY																				
Phase/Voltage/Frequency			190				240				TBC									
Max. current			A		TBC		TBC				TBC									
INSTALLATION & OTHERS																				
Outline dimensions (WxHxD)		mm	600x600x1683				600x600x1943													
Package dimensions (WxHxD)		mm	653x653x1900				653x653x2160													
Net weight/Gross weight		kg	TBC				TBC				TBC									

HEAT PUMPS ACCESSORIES

Designation	Part number	Photo	Description
Bizone Kit 2Z2T	7ACEL1882		With this module you can simply manage 2 zones with 2 different temperatures (ex: floor heating & radiator). All the elements are pre-wired, you just have to plug them in on site. 1 Hydraulic module : - 2 water pump - 1 regulation - 2 thermostats (radio) - 1 outdoor temperature sensor (radio) - 1 antenna (for radio connection) Thermostat functions : - Change temperature (5°C to 37 °C) - Change mode (heating / cooling) - Weekly programming - Holiday mode
Hydraulic compensator	7ACFH0854		To be use with the Bizone Kit. If you don't have buffer tank you can use this bottle. Easily paring with our Bizone Kit. Insulation included. 14 kW ΔT 5°C – 28 kW ΔT 10°C
Shock absorber (support)	7ACTL0510		Helps reduce the transmission of vibrations. Length : 1 000mm
Temperature sensor	1PR070230		Temperature sensor + wire (10m)
Wire connection (Balance tank)	7ACFH0870		Connection between temperature sensor and electronic board for balance tank probe
Wire connection (Solar)	7ACFH0871		Connection between temperature sensor and electronic board for solar probe
Controller for E-Heater	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
Part number		7ACFH0872	7ACFH0876	7ACFH0873	7ACFH0875	7ACFH0874	7ACFH0877
Heat pump max. capacity	kW	10	10	16	16	22	22
Capacity	L	196	194	273	267	475	464
Surface of exchanger	m²	1,5	1,5+0,5	1,8	1,8+1,1	2,2	2,2+1,3
Material	/	Enamel steel	Enamel steel	Enamel steel	Enamel steel	Enamel steel	Enamel steel
Max pressure	bar	10	10	10	10	10	10
Storage dispersion	W	51	51	63	63	80	80
Energy class	/	B	B	B	B	B	B
Protection	/	Magnesium anode	Magnesium anode	Magnesium anode	Magnesium anode	Magnesium anode	Magnesium anode
Electric heater	kW	2,0	2,0	2,0	2,0	2,0	2,0
Height	mm	1215	1215	1615	1615	1705	1705
Diameter	mm	640	640	640	640	790	790
Weight	kg	77	83	98	112	128	151



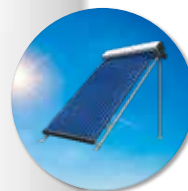
WELLEA ACCESSORIES

Designation	Part number	Photo	Description
3 ways valve	7ACFH0855		• 3 ways valve for heating and DHW
Magnetic dirt separator 1"	7ACFH0856		• Dirt separator, swiveling, with magnetic ring
Antifreeze valve MM 1"	7ACFH0857		• Ready to install • Thermostatic valve • Automatic opening (+ 3 ° C) and closing (+ 4 ° C) (+/- 1 ° C)
Mix bottle 25L	7ACFH0859		• Insulated bottle, reversible: heating and cooling • ErP class: C • Usable volume: 25 L • Wall installation
Mix bottle 50L	7ACFH0858		• Insulated bottle, reversible: heating and cooling • ErP class: C • Usable volume: 51 L • Wall installation
Mix bottle 100L	7ACFH0860		• Insulated bottle, reversible: heating and cooling • ErP class: C • Usable volume: 95 L • Floor laying
Mix bottle 200L	7ACFH0861		• Insulated bottle, reversible: heating and cooling • ErP class: C • Usable volume: 195 L • Floor laying
Automatic air vent 1"	7ACFH0862		• Continuous evacuation of air (degassing) present in the hydraulic circuit • Automatic operation • Adjustable: horizontal or vertical mounting
Safety valve 10B 20X27	7ACFH0863		• Plant power: 46 kW • Graduated scale for adjustment: 0.1 to 0.6 bar differential
Expansion vessel 12L	7ACFH0864		• CE standard vessel for heating and cooling circuit • Capacity: 12 L • Pre-inflation: 1 bar
Expansion vessel 18L	7ACFH0865		• CE standard vessel for heating and cooling circuit • Capacity: 18 L • Pre-inflation: 1 bar
Wall support for expansion vessel + accessories	7ACFH0866		• Stem, vase support, equipped with: - quick coupling for vase - air vent "PR2" - NC valve with pressure gauge
Backflow preventer 573 1/2	7ACFH0867		• Non-controllable reduced pressure zone backflow preventer NF
Water pump EVOSTA 2 4 à 7 mH2O 180 mm	7ACFH0868		• Low consumption electronic circulator (EEI <= 0.18) • For heating and air conditioning • With limescale protection during commissioning • 5 year warranty • Flow: 0.4 to 3.6 m3 / h • Manometric head: 4 to 6.9 mWC • 3 operating curves each with 3 speeds: - Proportional differential pressure - Constant differential pressure - Constant speed • Protection class: IP X5
Axial thermometer	7ACFH0869		• Axial thermometer 0 / 120°



Domestique hot water production range

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



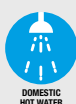
TDF

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

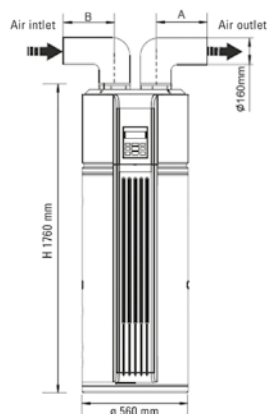
Accessories	Part number
Adaptation kit, 90° bend and 1m duct (TDF 190)	7ACEL1735
Adaptation kit, 90° bend and 1m duct (TDF 300)	7ACEL1737
Extension kit 1m duct (TDF 190)	7ACEL1736
Extension kit 1m duct (TDF 300)	7ACEL1738

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
AIR +7°C WATER 10/55°C					
Heating capacity	kW	1.362	1.814	1.362	1.814
Total power input	kW	0.423	0.519	0.423	0.519
COP		3.22	3.49	3.22	3.49
AIR +15°C WATER 10/55°C					
Heating capacity	kW	1.609	2.185	1.609	2.185
Total power input	kW	0.439	0.541	0.439	0.541
COP		3.66	4.04	3.66	4.04
PERFORMANCE (AVERAGE CLIMATE)					
ECS profil		L	XL	L	XL
Energy label		A+	A+	A+	A+
Seasonal efficiency	%	115.0	123.0	115.0	123.0
COP		2.76	3.01	2.76	3.01
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
PERFORMANCES (WARMER CLIMATE)					
Seasonal efficiency	%	130.0	148.0	130.0	148.0
COP		3.13	3.59	3.13	3.59
Annual consumption	kWh	785	1131	785	1131
PERFORMANCES (COOLER CLIMATE)					
Seasonal efficiency	%	99.0	95.0	99.0	95.0
COP		2.36	2.32	2.36	2.32
Annual consumption	kWh	1032	1759	1032	1759
SOUND LEVEL					
Sound pressure level (1m)	dB(A)	36.6	38.2	36.6	38.2
Sound power level	dB(A)	51	53	51	53
OPERATING LIMITS					
Outdoor temperature	°C	-7 / 43	-7 / 43	-7 / 43	-7 / 43
Water temperature	°C	70.0	65.0	70.0	65.0
PIPE LINE					
Refrigerant/GWP		R134a/1430	R134a/1430	R134a/1430	R134a/1430
Charge	kg	1.1	1.5	1.1	1.5
POWER SUPPLY					
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 ²	3x4	3x4	3x4	3x4
Fuse rating am	A	30	30	30	30
DIMENSIONS					
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



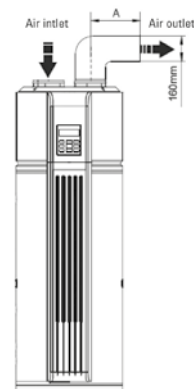
1 Inlet and outlet ducted



2 Inlet ducted



3 Outlet ducted



Location	Heated low volume room (< 20 m³)	Low volume room (< 20 m³) which can be refreshed	Heated high volume room (> 20 m³) (kitchen, bathroom...)
Air inlet and air outlet	- Air inlet: outdoor air or extracted air (exhaust ventilation) - Air outlet: to adjacent room or outdoor	- Air inlet: outdoor air or extracted air (exhaust ventilation) - Air outlet: in the room (ambient air)	- Air inlet: Ambient air - Air outlet: To adjacent room or outdoor



Airflow range

MODEL NAME		Fluid type	Page	System	Function
 THERMODYNAMIC CMV DUAL FLOW	AIRFLOW	R32	76	Monobloc	Airflow



+ PRODUCTS

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

FEATURES



THE + «SUSTAINABLE DEVELOPMENT»

→ High performance product with COP > 7

THE + «USER»

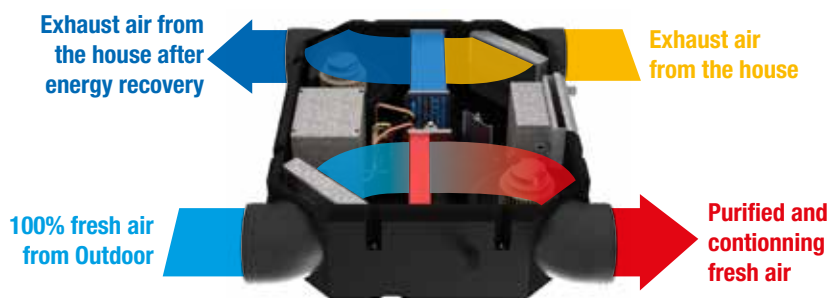
→ Allows you to heat and cool your home without air conditioning
→ Operates using 100% fresh filtered air

THE + «INSTALLER»

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

THE + «TECHNOLOGY»

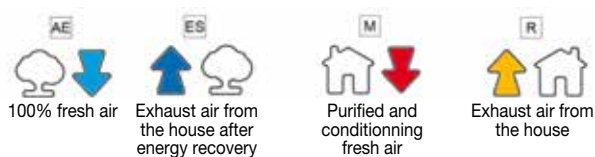
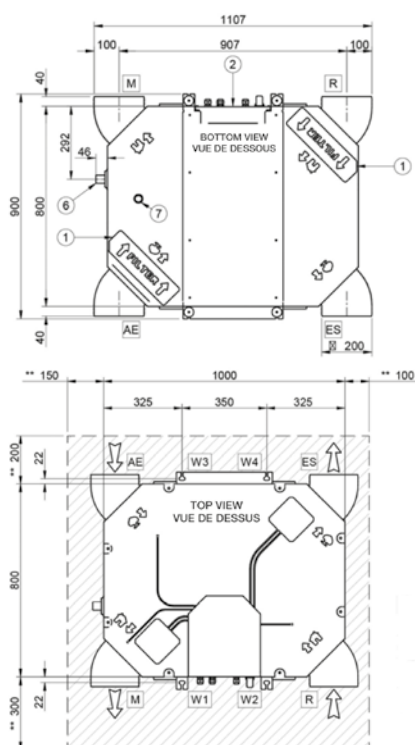
→ Monobloc system
→ Inverter technology



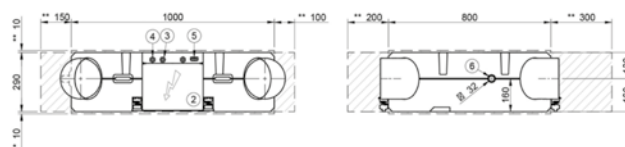
AIRFLOW TECHNICAL DATA

Model			AW-AIRFLOW250-N91				
Part number			7HP080005				
Phase			Single phase				
Airflow		m³/h	125	150	210	270	320
HEATING MODE							
Outdoor Air +7 °C Supply Air 20 °C	Heating capacity	kW	1.42	1.55	1.86	2.05	2.49
	Power input	kW	0.46	0.42	0.45	0.42	0.54
	COP		3.09	3.69	4.13	4.93	4.61
Outdoor Air -5 °C Supply Air 20 °C	Heating capacity	kW	1.97	2.10	2.21	2.37	2.45
	Power input	kW	0.40	0.52	0.47	0.37	0.32
	COP		4.93	4.04	4.70	6.50	7.66
COOLING MODE							
Outdoor Air 35 °C Supply Air 27 °C	Cooling capacity	kW	1.57	1.64	1.73	1.92	2.07
	Power input	kW	0.36	0.52	0.53	0.55	0.81
	EER		4.34	3.15	3.26	3.50	2.56
Outdoor Air 30 °C Supply Air 27 °C	Cooling capacity	kW	0.92	1.38	1.47	1.72	2.07
	Power input	kW	0.36	0.52	0.48	0.54	0.81
	EER		2.56	2.65	3.06	3.21	2.77
PERFORMANCE							
Static Pressure	Nominal	Pa	50	50	50	50	50
	Max.	Pa	120	120	120	120	120
Sound power level		dB(A)	47	48	50	54	58
Sound pressure level ⁽¹⁾		dB(A)	34	35	37	41	45
OPERATING LIMITS							
Outdoor temperature	Cooling	°C	16/45				
	Heating	°C	-15/28				
POWER SUPPLY							
Phase/Voltage/Frequency			1P/230V/50Hz				
Max. current		A	5				
INSTALLATION & OTHERS							
Refrigerant	Type/GWP		R32/675				
	Charge	kg	0.3				
Outline dimensions (WxHxD)		mm	1107x290x900				
Package dimensions (WxHxD)		mm	1200x320x100				
Net weight/Gross weight		kg	44/73				

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



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





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	●		●		
INSTALLER	No frost mode	●				
	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



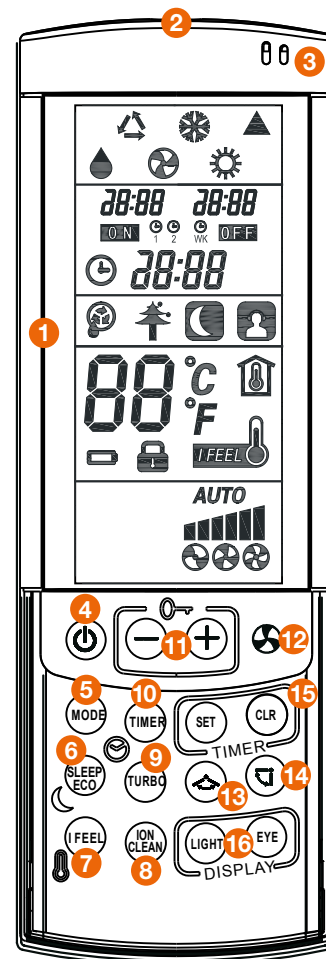
COMPATIBLE PRODUCTS

- | | | | |
|---------------------------------|----------------|--------------|------------|
| ■ 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
		Selects or indicates the room temperature
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.
		"I FEEL" mode
Fan speed indication		Low speed
		Medium speed
		High speed
		Auto fan speed



2 TRANSMITTER

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

3 SENSOR

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

4 ON/OFF BUTTON

This button turns the air conditioner ON and OFF.

5 MODE SELECTOR BUTTON

Press this button to change the mode.

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

6 SLEEP/ECO BUTTON

This button has 2 functions:

- Sleep function: (short press)
- Economy function (long press)

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

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

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

8 ION/CLEAN BUTTON

This button has 2 functions:

- The ION (ioniser) function: short press
- The CLEAN function: long press

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

9 TURBO BUTTON

Activates the TURBO function to speed up heating or cooling.

10 TIMER BUTTON (PROGRAMMING)

Activates/deactivates PROGRAMMING.

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

11 TEMPERATURE SETTING BUTTONS

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

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

12 FAN SPEED SELECTOR BUTTON

Press this button to change the mode.

	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.



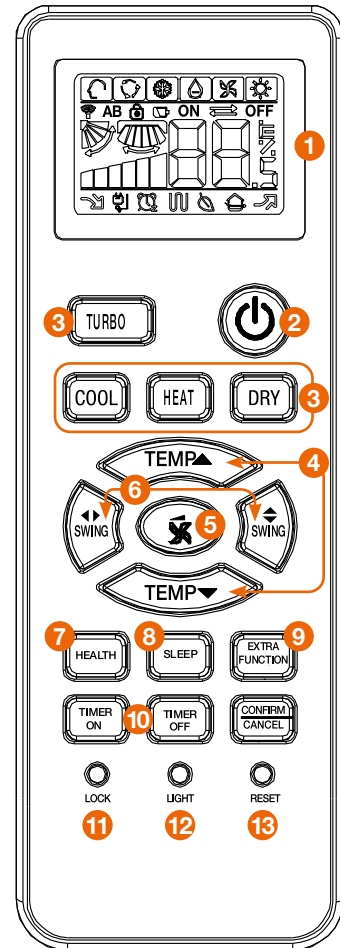
COMPATIBLE PRODUCTS

■ 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.

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

4 TEMPERATURE SETTING BUTTONS

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

5 FAN SPEED SELECTOR BUTTON

Presser ce bouton pour changer de mode.

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

6 SWING BUTTONS

Press these buttons to change mode.

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

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

7 HEALTH BUTTON

Health button

8 SLEEP BUTTON

Sleep button

STANDBY FUNCTION

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

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

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

9 EXTRA FUNCTION BUTTON

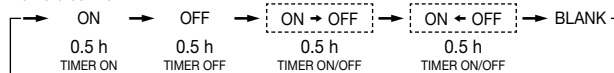
- **POWER operation**
You can use this function when you need fast heating or cooling. Press the **EXTRA FUNCTION** button to access the additional options, when you switch the screen to  flashes. Then press **CONFIRM CANCEL** to access the Power function.
- **SILENT operation**
Use this function when you need silence to read or rest. Press the SILENT button, the remote control displays , then activate the Silent function.

10 TIMER BUTTON (PROGRAMMING)

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

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

Remote control:



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

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

Tips:

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

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

11 LOCK BUTTON

Locks the buttons and LCD display.

12 LIGHT BUTTON

Controls the switching on and off of the display diodes

13 RESET BUTTON

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



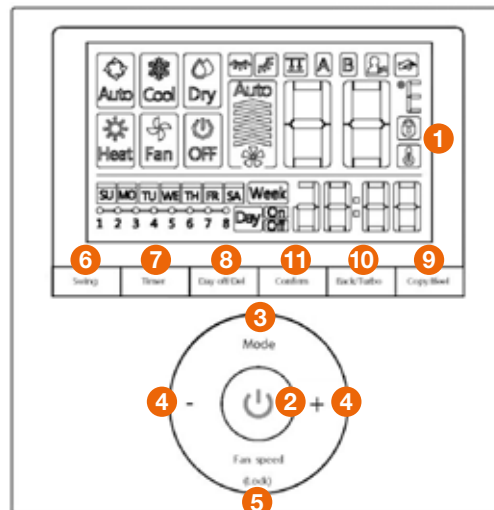
COMPATIBLE PRODUCTS

■ 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

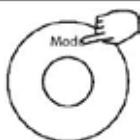


2 ON/ OFF BUTTON



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.)

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

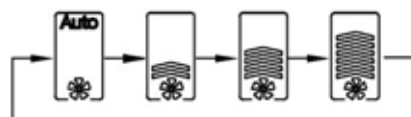
4 TEMPERATURE SETTING BUTTONS

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

5 FAN SPEED SELECTION BUTTON



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



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

6 VERTICAL/HORIZONTAL SWING BUTTON

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

7 TIMER BUTTON (PROGRAMMING)

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

6 + 7 BUTTON BEEP FUNCTION

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

8 DAY OFF/DEL BUTTON

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

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

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

10 TURBO BUTTON

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

11 CONFIRM BUTTON

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

MANAGEMENT OF ALARM CODES

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

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



COMPATIBLE PRODUCTS

■ DDM (optional)

■ CDM (optional)

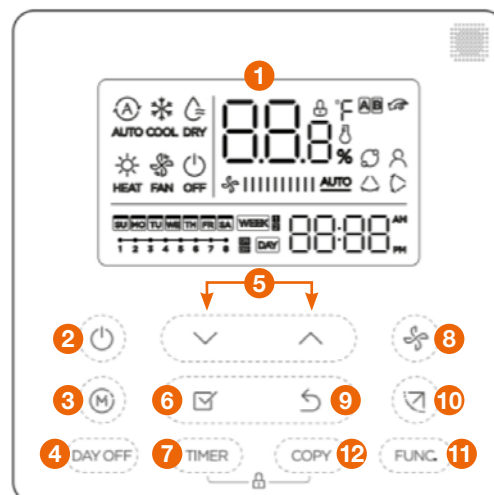
■ FDM (optional)

■ 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.



MEASURE UNITS CONVERSION

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

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

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

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

Mass volume	
1 cu.ft/lb	62.43 dm ³ /kg
1 US gallon/pound	8.3 dm ³ /kg

Density	
1 pound/cu.ft	0.016 kg/dm ³

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

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

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

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

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

SIZING THE AIR CONDITIONING

STEP 1: EVALUATING THE NEEDS

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

■ SIZING THE COOLING NEEDS BY OCCUPANCY RATIO

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

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

The calculation is to be done room by room.

■ SIZING THE HEATING NEEDS BY THE G METHOD

The «G» is the volume loss coefficient of the building, matching the sum of the thermal loss through walls, windows, roofs... It's expressed in $\text{W/m}^3/\text{°C}$. This coefficient is related to the building isolation.

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

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

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

V = building volume (m^3)

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

STEP 2: EXTERIOR UNITS SELECTION

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

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

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

CLASSIFICATION OF PRODUCTS

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

1. UNDERSTANDING PRODUCT REFERENCE

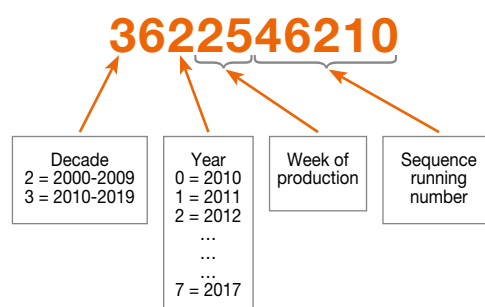
Brand		Type		Type		Technology		Capacity			Mode		Refrigerant fluid		Power supply		
									BTU	kW							
AW	AIRWELL	Y	Air outdoor unit	H	High wall	D	Inverter DC	007	7000	2,2	C	Cooling only	1	R410A	1	230-1-50	
		None	Indoor unit	F	Floor ceiling	F	Fixed speed	009	9000	2,5	H	Heat pump reversible	2	R407C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

3. UNDERSTANDING SERIAL NUMBER

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



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.



AIR CONDITIONING & HEATING

Our after-sales & quality service

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e-mail ■ sp@airwell-res.com

TECHNICAL SUPPORT:

e-mail ■ sav@airwell-res.com

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