



Triple-service
heat pump

A+++

HYBRID
HOUSE by Airwell



+ PRODUCT

- RCW29 remote control included
- Refrigerant connections, no need for antifreeze protection
- Water outlet up to 60°C at outdoor temperature -15°C
- Compatible with all transmitter types
- Stainless steel hot water tank included (190L or 250L)

FEATURES



Airwell

WELLEA WT

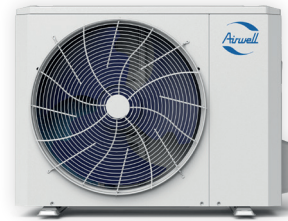
Split heat pump with DHW tank included



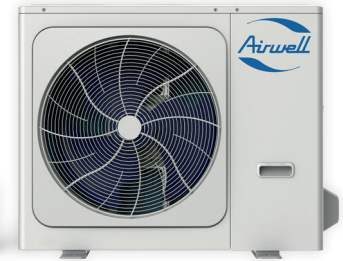
WELLEA WT
with DHW tank included



RCW29
included



WELLEA
ODU 4-6 kW



WELLEA
ODU 8-16 kW



+ «SUSTAINABLE DEVELOPMENT»

- > High energy class A+++.

+ «USER»

- > Compatible with all transmitters.
- > Great flexibility of use.
- > Perfect for replacing an oil or gas boiler.
- > Stainless steel hot water tank.

+ «INSTALLER»

- > Customizable water program.
- > Manage the entire heating circuit, thanks to the many available connections.

+ «TECHNOLOGY»

- > Operates at outdoor temperatures down to -25°C.
- > HP Keypmark certified.

Complete unit
FOR HEATING AND HOT WATER



TECHNICAL DATA

OUTDOOR UNITS			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	Single-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 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		
Air -7°C Water 47/55°C	Heating capacity	kW	4.00	5.15	6.15	7.05	10.60	11.30	12.60	10.60	11.30	12.60		
	Power input	kW	2.05	2.58	3.00	3.53	5.25	5.46	6.29	5.25	5.46	6.29		
	COP		1.95	2.00	2.05	1.97	2.02	2.01	2.00	2.02	2.01	2.00		
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		
PERFORMANCE														
Energy label	Water outlet to 35°C		A+++				A+++							
(Average climate)	Water outlet to 55°C		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	25	26	27	10	11	12			
INSTALLATION & OTHERS														
Airflow	m³/h		2770		4030	4060	4650		4060	4650				
Refrigerant/GWP			R32/675				R32/675							
Charge	kg		1.50		1.65		1.84							
Additional charge	g/m		20		38		38							
Unit 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 UNITS			ODMA-100T-09M22-19				ODMA-100T-09M22-25				ODMA-160T-09M22-25			
Part number			7SPI30001				7SPI30002				7SPI30003			
COMPATIBLE OUTDOOR UNITS			AW-YHPSA04-H91	AW-YHPSA06-H91	AW-YHPSA08-H91	AW-YHPSA10-H91	AW-YHPSA04-H91	AW-YHPSA06-H91	AW-YHPSA08-H91	AW-YHPSA10-H91	AW-YHPSA12-H91	AW-YHPSA14-H91	AW-YHPSA16-H91	
Phase			Single-phase				Single-phase				Single-phase			
TANK														
Volume	l		190				240				240			
Electrical resistor	kW		3				3				3			
PERFORMANCE														
DHW profile			L				XL				XL			
DHW energy label (average climate)			A+				A+				A+			
DHW seasonal efficiency (average climate)			127				136				123			
DHW COP			3.10				3.34				3.00			
Sound level	dB(A)		42				42				43			
Sound pressure level (1m)	dB(A)		30				30				32			
POWER SUPPLY														
Phase/Voltage/Frequency			1P/220-240V/50Hz				1P/220-240V/50Hz							
Max. current	A		14.30				14.30							
INSTALLATION & OTHERS														
Water pipe diameter	inches		R1				R1							
DHW pipe diameter	inches		R3/4				R3/4							
Unit dimensions (WxHxD)	mm		600x600x1683				600x600x1943				600x600x1943			
Package dimensions (WxHxD)	mm		653x653x1900				653x653x2160				653x653x2160			
Net weight/Gross weight	kg		140/161				157/178				159/180			

ACCESSORIES

DESIGNATION	PART NUMBER	PICTURE	FUNCTIONS
Bizone Kit 2Z2T	7ACEL1882		<ul style="list-style-type: none"> This module makes it simple to manage 2 zones with 2 different temperatures (e.g.: floor heating & radiator). All the components are pre-wired, you just have to plug them in. 1 hydraulic module: <ul style="list-style-type: none"> - 2 condensate pumps - 1 regulator - 2 thermostats (radio) - 1 outdoor temperature sensor (radio) - 1 antenna (for radio connection) Thermostat functions: <ul style="list-style-type: none"> - Temperature change (5 C to 37 C) - Mode switch (heating / air conditioning) - Weekly programming - Holiday mode
Hydraulic compensator	7ACFH0854		<ul style="list-style-type: none"> To be use with the Bizone Kit. If you don't have a buffer tank you can use this compensator. Easy to pair with our Bizone Kit. 14 kW ΔT 5°C – 28 kW ΔT 10°C
3 ways valve	7ACFH0855		<ul style="list-style-type: none"> 3 ways valve for heating and DHW
Magnetic dirt separator 1"	7ACFH0856		<ul style="list-style-type: none"> Dirt separator, swiveling, with magnetic ring
Antifreeze valve MM 1"	7ACFH0857		<ul style="list-style-type: none"> Ready to install Thermostatic valve Automatic opening (+ 3 °C) and closing (+ 4 °C) (+/- 1 °C)
Automatic air vent 1"	7ACFH0862		<ul style="list-style-type: none"> Continuous degassing of air present in the hydraulic circuit Automatic operation Swivelling: horizontal or vertical mounting
Mix bottle 25 L	7ACFH0859		<ul style="list-style-type: none"> Insulated bottle, reversible: heating and cooling ErP class: C Usable volume: 25 L Wall installation
Mix bottle 50 L	7ACFH0858		<ul style="list-style-type: none"> Insulated bottle, reversible: heating and cooling ErP class: C Usable volume: 51 L Wall installation
Mix bottle 100 L	7ACFH0860		<ul style="list-style-type: none"> Insulated bottle, reversible: heating and cooling ErP class: C Usable volume: 95 L Floor installation
Mix bottle 200 L	7ACFH0861		<ul style="list-style-type: none"> Insulated bottle, reversible: heating and cooling ErP class: C Usable volume: 195 L Floor installation
Safety valve 10B 20X27	7ACFH0863		<ul style="list-style-type: none"> Installation power: 46 kW Graduated adjustment scale: 0.1 to 0.6 bar differential
Expansion vessel 12 L	7ACFH0864		<ul style="list-style-type: none"> CE standard vessel for heating and cooling circuit Capacity: 12 L Pre-inflation: 1 bar
Expansion vessel 18 L	7ACFH0865		<ul style="list-style-type: none"> CE standard vessel for heating and cooling circuit Capacity: 18 L Pre-inflation: 1 bar
Wall support for expansion vessel	7ACFH0866		<ul style="list-style-type: none"> Arm, vessel bracket, equipped with: <ul style="list-style-type: none"> - quick-release coupling for vessel - PR2 air bleed - NC valve with pressure gauge
Backflow preventer 1/2	7ACFH0867		<ul style="list-style-type: none"> Non-controllable reduced pressure zone backflow preventer NF

ACCESSORIES

DESIGNATION	PART NUMBER	PICTURE	FUNCTIONS
Condensate pump EVOSTA 2 4 to 7 mH2O 180 mm	7ACFH0868		<ul style="list-style-type: none"> • Low consumption electronic circulator (EEI <= 0.18) • For heating and air conditioning • With limescale protection during commissioning • 5 year warranty • Flowrate: 0.4 to 3.6 m³ / h • Manometric head: 4 to 6.9 mWp • 3 operating curves each with 3 speeds: <ul style="list-style-type: none"> - Proportional differential pressure - Constant differential pressure - Constant speed • Protection class: IP X5
Axial thermometer 100 immersion 200	7ACFH0869		<ul style="list-style-type: none"> • Axial thermometer • Display 0/120°
Shock absorber (support)	7ACTL0510		<ul style="list-style-type: none"> • Helps reduce the transmission of vibrations. Length: 1 000mm
Line electrical heater - 3kW	7ACFH0822		<ul style="list-style-type: none"> • Provides additional heating when the heating demand is greater than the heat pump capacity
Remote control RCW29	7ACEL1896		<ul style="list-style-type: none"> • On/Off control, additional heating • Operating mode: cooling / heating / automatic • DHW parameters: forced mode / holiday / anti-legionella / DHW pump • Temperature parameter: water outlet, set temperature • Timer: 12/24h • On/Off timer, daily / weekly • Display of different temperatures • Probe values display • Fault codes • Maintenance mode
Temperature sensor	1PR070230		<ul style="list-style-type: none"> • Temperature sensor + cable (10m)
Cable extension (mixing tank)	7ACFH0870		<ul style="list-style-type: none"> • Connection between temperature sensor and electronic board for mixing tank probe
Cable extension (solar)	7ACFH0871		<ul style="list-style-type: none"> • Connection between temperature sensor and electronic board for solar probe
DHW electric heater control panel	7ACEL1892		<ul style="list-style-type: none"> • Control the DHW electric heater with the heat pump



DESIGNATION		DHW TANK 200L	DHW TANK 300L	DHW TANK 500L	DHW TANK 500S
Part number		7ACFH0872	7ACFH0876	7ACFH0873	7ACFH0877
Heat pump max. capacity	kW	10	16	22	22
Volume	L	196	273	475	464
Exchanger surface area	m ²	1.5	1.8	2.2	2.2+1.3
Material		enamelled steel	enamelled steel	enamelled steel	enamelled steel
Max. pressure	bar	10	10	10	10
Static losses	W	51	63	80	80
Energy label		B	B	B	B
Protection		magnesium anode	magnesium anode	magnesium anode	magnesium anode
Electric heater	kW	2.0	2.0	2.0	2.0
Height	mm	1215	1615	1705	1705
Diameter	mm	640	640	790	790
Weight	kg	77	98	128	151