



Heat pump
Three services

A+++

HYBRID
HOUSE by Airwell



+ PRODUCT

- RCW29 remote control included
- 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
- Stainless steel hot water tank included (190L or 250L)

FEATURES



Airwell



WELLEA WT

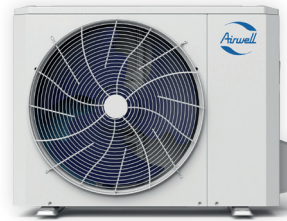
Split heat pump with DHW tank included



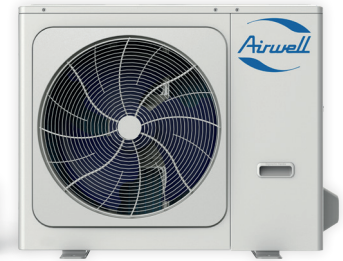
WELLEA WT
with DHW tank included



RCW29
included



WELLEA
ODU 4-6 kW



WELLEA
ODU 8-16 kW



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.
- > Stainless steel 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 Keypmark certified.
















Complete unit
FOR HEATING AND INTEGRATED 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										
Fuse rating am			A		14		17		25		26		27		10		11		12	
INSTALLATION & OTHERS																				
Airflow			m³/h		2770		4030		4060		4650		4060		4650					
Refrigerant/GWP			R32/675																	
Charge			kg		1.50		1.65		1.84		1.84		1.84							
Additional charge			g/m		20		38		38		38		38							
Outline dimensions (WxHxD)			mm		1008x712x426		1118x865x523		1118x865x523		1118x865x523		1118x865x523							
Package dimensions (WxHxD)			mm		1065x800x485		1180x890x560		1180x890x560		1180x890x560		1180x890x560							
Net weight/Gross weight			kg		58/64		77/88		96/110		96/110		112/125							
Pipe diameter (liquid - gas)			inches		1/4" - 5/8"		3/8" - 5/8"		3/8" - 5/8"		3/8" - 5/8"		3/8" - 5/8"							
INDOOR UNITS																				
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	AW-YHPSA12-H93	AW-YHPSA14-H93	AW-YHPSA16-H93				
Phase			Single phase				Single phase				Single phase									
TANK																				
Volume			l		190		240		240		240		240							
Electrical resistance			kW		3		3		3		3		3							
PERFORMANCE																				
DHW profile			L		XL		XL		XL		XL		XL							
DHW energy label (average climate)			A+		A+		A+		A+		A+		A+							
DHW seasonal efficiency (average climate)			%		127		136		123		123		123							
DHW COP					3.10		3.34		3.00		3.00		3.00							
Sound level			dB(A)		42		42		43		43		43							
Sound pressure level (1m)			dB(A)		30		30		32		32		32							
POWER SUPPLY																				
Phase/Voltage/Frequency			1P/220-240V/50Hz				1P/220-240V/50Hz				1P/220-240V/50Hz									
Fuse rating am			A		14.30		14.30		14.30		14.30		14.30							
INSTALLATION & OTHERS																				
Water pipe diameter			inches		R1		R1		R1		R1		R1							
DHW pipe diameter			inches		R3/4		R3/4		R3/4		R3/4		R3/4							
Outline dimensions (WxHxD)			mm		600x600x1683		600x600x1943		600x600x1943		600x600x1943		600x600x1943							
Package dimensions (WxHxD)			mm		653x653x1900		653x653x2160		653x653x2160		653x653x2160		653x653x2160							
Net weight/Gross weight			kg		140/161		157/178		157/178		159/180		159/180							

ACCESSORIES

DESIGNATION	PART NUMBER	PICTURE	FUNCTIONS
Bizone Kit 2Z2T	7ACEL1882		<ul style="list-style-type: none"> • With this solar panel 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 solar panel: <ul style="list-style-type: none"> - 2 water pump - 1 regulation - 2 thermostats (radio) - 1 outdoor temperature sensor (radio) - 1 antenna (for radio connection) • Thermostat functions: <ul style="list-style-type: none"> - Change temperature (5°C to 37 °C) - Change mode (heating / cooling) - 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 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
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 evacuation of air (degassing) present in the hydraulic circuit • Automatic operation • Adjustable: 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"> • Rated power de l'installation: 46 kW • Scale for adjustment: 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"> • Stem, vase support, equipped with: <ul style="list-style-type: none"> - quick coupling for vase - air vent PR2 - 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
Water 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 • Flow: 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 diver 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"> • It provides additional heating when the heating demand is greater than the capacity of the heat pump
Remote control RCW29	7ACEL1896		<ul style="list-style-type: none"> • On/Off control, additional heating • Operating mode: cooling / heating / automatic • DHW parameters: forced mode / vacation / anti-legionella / DHW pump • Temperature parameter: water outlet, set temperature • Timer: 12/24h • On/Off timer, daily / weekly • Display of different temperatures • Display of probe values • Fault part numbers • Maintenance mode
Temperature sensor	1PR070230		<ul style="list-style-type: none"> • Temperature sensor + wire (10m)
Wire connection (balance tank)	7ACFH0870		<ul style="list-style-type: none"> • Connection between temperature sensor and electronic board for balance tank probe
Wire connection (solar)	7ACFH0871		<ul style="list-style-type: none"> • Connection between temperature sensor and electronic board for solar probe
Controller for E-Heater	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	7ACFH0873	7ACFH0874	7ACFH0877
Heat pump max. capacity	kW	10	16	22	22
Volume	L	196	273	475	464
Surface of exchanger	m ²	1.5	1.8	2.2	2.2+1.3
Material		enamel steel	enamel steel	enamel steel	enamel steel
Max. pressure	bar	10	10	10	10
Storage dispersion	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