



Heat pump  
Cooling & heating

A+++

**HYBRID**  
HOUSE by Airwell



**+ PRODUCT**

- 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
- Electrical resistance included

**FEATURES**

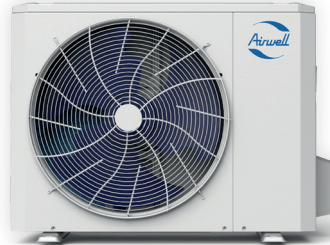
 PROGRAMMABLE TIMER	 WEEK TIMER	 REMOTE CONTROL LOCK	 UNIT ON OUTPUT
 HEATING MODE OPERATIONAL DOWN TO -25°C OUTDOORS	 HIGH TEMPERATURE UP TO 60°C	 FLOOR HEATING	 HIGH-TEMPERATURE RADIATOR
 LOW-TEMPERATURE RADIATOR	 BOILER REPLACEMENT	 BOILER BACK-UP	 WATER PROGRAMS

# WELLEA SPLIT

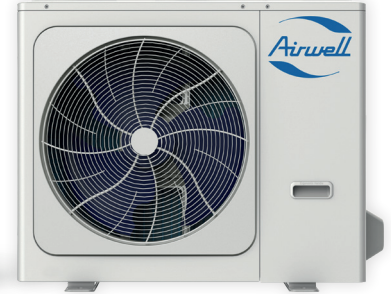
## Split heat pump



WELLEA SPLIT  
indoor unit



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.

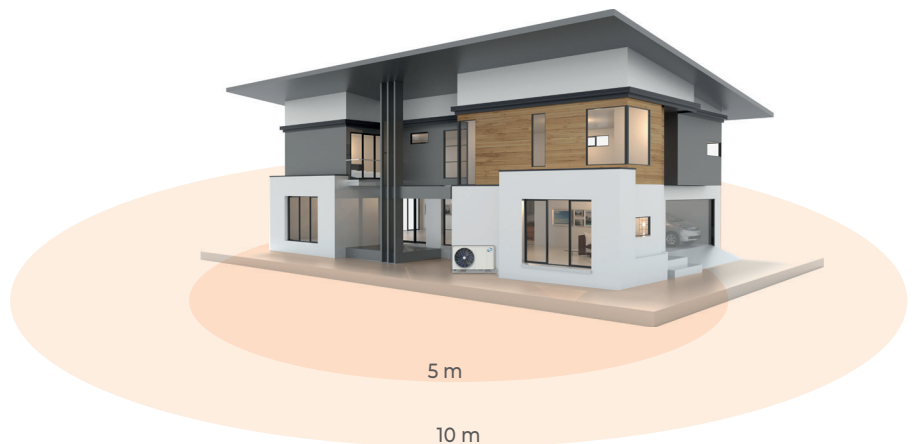
**THE + «INSTALLER»**

- > 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		4 KW	6 KW	8 KW	10 KW	12 KW	14 KW	16 KW
Sound pressure level* at 5 m	dB(A)	30	32	34	35	37	38	42
Sound pressure level* at 10 m	dB(A)	15	17	19	20	22	23	27

\*Free fields

### 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
<b>Part number</b>			7HP061065	7HP061066	7HP061067	7HP061068	7HP061069	7HP061070	7HP061071	7HP061072	7HP061073	7HP061074
<b>Phase</b>			Single phase				Single phase			Three phase		
<b>HEATING MODE</b>												
Air +7°C Water 30/35°C	Heating capacity	kW	4.25	6.20	8.30	10.00	12.10	14.50	16.00	12.10	14.50	16.00
	Power input	kW	0.82	1.24	1.60	2.00	2.44	3.09	3.56	2.44	3.09	3.56
	<b>COP</b>		<b>5.20</b>	<b>5.00</b>	<b>5.20</b>	<b>5.00</b>	<b>4.95</b>	<b>4.70</b>	<b>4.50</b>	<b>4.95</b>	<b>4.70</b>	<b>4.50</b>
Air -7°C Water 30/35°C	Heating capacity	kW	4.80	6.10	7.10	8.25	10.00	12.00	13.30	10.00	12.00	13.30
	Power input	kW	1.52	2.00	2.18	2.62	3.33	4.29	4.93	3.33	4.29	4.93
	<b>COP</b>		<b>3.15</b>	<b>3.05</b>	<b>3.25</b>	<b>3.15</b>	<b>3.00</b>	<b>2.80</b>	<b>2.70</b>	<b>3.00</b>	<b>2.80</b>	<b>2.70</b>
Air +7°C Water 47/55°C	Heating capacity	kW	4.40	6.00	7.50	9.50	12.00	13.80	16.00	12.00	13.80	16.00
	Power input	kW	1.49	2.00	2.36	3.06	3.87	4.60	5.52	3.87	4.60	5.52
	<b>COP</b>		<b>2.95</b>	<b>3.00</b>	<b>3.18</b>	<b>3.10</b>	<b>3.10</b>	<b>3.00</b>	<b>2.90</b>	<b>3.10</b>	<b>3.00</b>	<b>2.90</b>
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
	<b>COP</b>		<b>1.95</b>	<b>2.00</b>	<b>2.05</b>	<b>1.97</b>	<b>2.02</b>	<b>2.01</b>	<b>2.00</b>	<b>2.02</b>	<b>2.01</b>	<b>2.00</b>
<b>COOLING MODE</b>												
Air 35°C Water 12/7°C	Cooling capacity	kW	4.70	7.00	7.40	8.20	11.60	12.70	14.00	11.60	12.70	14.00
	Power input	kW	1.36	2.33	2.19	2.48	4.22	4.98	5.71	4.22	4.98	5.71
	<b>EER</b>		<b>3.45</b>	<b>3.00</b>	<b>3.38</b>	<b>3.30</b>	<b>2.75</b>	<b>2.55</b>	<b>2.45</b>	<b>2.75</b>	<b>2.55</b>	<b>2.45</b>
Air 35°C Water 23/18°C	Cooling capacity	kW	4.50	6.55	8.40	10.00	12.00	13.50	14.90	12.00	13.50	14.90
	Power input	kW	0.81	1.34	1.66	2.08	3.00	3.75	4.38	3.00	3.75	4.38
	<b>EER</b>		<b>5.55</b>	<b>4.90</b>	<b>5.05</b>	<b>4.80</b>	<b>4.00</b>	<b>3.60</b>	<b>3.40</b>	<b>4.00</b>	<b>3.60</b>	<b>3.40</b>
<b>PERFORMANCE</b>												
Energy label (average climate)	Water outlet to 35°C		A+++				A+++					
	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 at 1m		dB(A)	44	45	46	49	50	51	55	50	51	55
<b>OPERATING LIMITS</b>												
Outdoor temperature	Cooling	°C	-5/43				-5/43					
	Heating	°C	-25/35				-25/35					
	DHW	°C	-25/43				-25/43					
<b>Power supply</b>												
Phase/Voltage/Frequency			1P/220-240V/50Hz				1P/220-240V/50Hz			3P/380-415V/50Hz		
Fuse rating am	A		14		17		25	26	27	10	11	12
<b>INSTALLATION &amp; OTHERS</b>												
Airflow	m³/h		2770		4030		4060	4650		4060		4650
<b>Refrigerant/GWP</b>			<b>R32/675</b>				<b>R32/675</b>					
Charge (15m)	kg		1.50		1.65		1.84					
Additional charge	g/m		20		38		38					
Outline dimensions (WxHxD)	mm		1008x712x426			1118x865x523			1118x865x523			
Package dimensions (WxHxD)	mm		1065x800x485			1180x890x560			1180x890x560			
Net weight/Gross weight	kg		58/64		77/88		96/110			112/125		
Pipe diameter (liquid - gas)	inches		1/4" - 5/8"		3/8" - 5/8"		3/8" - 5/8"					
<b>INDOOR UNIT</b>												
			AW-WHPSA0406-N91	AW-WHPSA0810-N91	AW-WHPSA1216-N91			AW-WHPSA1216-N93				
<b>Part number</b>			7HP010015	7HP010016	7HP010017			7HP010018				
<b>Phase</b>			Single phase	Single phase	Single phase			Three phase				
<b>PERFORMANCE</b>												
Sound level		dB(A)	38	42	43			43				
Sound pressure level (1m)			28	30	32			32				
<b>POWER SUPPLY</b>												
Phase/Voltage/Frequency			1P/220-240V/50Hz				1P/220-240V/50Hz			3P/380-415V/50Hz		
Electric backup heater	kW		3	3	3			3/6/9				
Fuse rating am			14.30	14.30	14.30			14.00				
<b>INSTALLATION &amp; OTHERS</b>												
Outline dimensions (WxHxD)	mm		420x790x270				420x790x270					
Package dimensions (WxHxD)	mm		525x1050x360				525x1050x360					
Net weight/Gross weight	kg		43/49				45/51					

## ACCESSORIES

DESIGNATION	PART NUMBER	PICTURE	FUNCTIONS
Bizone Kit 2Z2T	7ACEL1882		<ul style="list-style-type: none"> <li>• With this solar panel you can simply manage 2 zones with 2 different temperatures (ex: floor heating &amp; radiator).</li> <li>• All the elements are pre-wired, you just have to plug them in on site.</li> <li>• 1 Hydraulic solar panel:               <ul style="list-style-type: none"> <li>- 2 water pump</li> <li>- 1 regulation</li> <li>- 2 thermostats (radio)</li> <li>- 1 outdoor temperature sensor (radio)</li> <li>- 1 antenna (for radio connection)</li> </ul> </li> <li>• Thermostat functions:               <ul style="list-style-type: none"> <li>- Change temperature (5°C to 37 °C)</li> <li>- Change mode (heating / cooling)</li> <li>- Weekly programming</li> <li>- Holiday mode</li> </ul> </li> </ul>
Hydraulic compensator	7ACFH0854		<ul style="list-style-type: none"> <li>• To be use with the Bizone Kit.</li> <li>• If you don't have buffer tank you can use this bottle. Easily paring with our Bizone Kit.</li> <li>• Insulation included.</li> <li>• 14 kW ΔT 5°C – 28 kW ΔT 10°C</li> </ul>
3 ways valve	7ACFH0855		<ul style="list-style-type: none"> <li>• 3 ways valve for heating and DHW</li> </ul>
Magnetic dirt separator 1"	7ACFH0856		<ul style="list-style-type: none"> <li>• Dirt separator, swiveling, with magnetic ring</li> </ul>
Antifreeze valve MM 1"	7ACFH0857		<ul style="list-style-type: none"> <li>• Ready to install</li> <li>• Thermostatic valve</li> <li>• Automatic opening (+ 3 °C) and closing (+ 4 °C) (+/- 1 °C)</li> </ul>
Automatic air vent 1"	7ACFH0862		<ul style="list-style-type: none"> <li>• Continuous evacuation of air (degassing) present in the hydraulic circuit</li> <li>• Automatic operation</li> <li>• Adjustable: horizontal or vertical mounting</li> </ul>
Mix bottle 25 L	7ACFH0859		<ul style="list-style-type: none"> <li>• Insulated bottle, reversible: heating and cooling</li> <li>• ErP class: C</li> <li>• Usable volume: 25 L</li> <li>• Wall installation</li> </ul>
Mix bottle 50 L	7ACFH0858		<ul style="list-style-type: none"> <li>• Insulated bottle, reversible: heating and cooling</li> <li>• ErP class: C</li> <li>• Usable volume: 51 L</li> <li>• Wall installation</li> </ul>
Mix bottle 100 L	7ACFH0860		<ul style="list-style-type: none"> <li>• Insulated bottle, reversible: heating and cooling</li> <li>• ErP class: C</li> <li>• Usable volume: 95 L</li> <li>• Floor installation</li> </ul>
Mix bottle 200 L	7ACFH0861		<ul style="list-style-type: none"> <li>• Insulated bottle, reversible: heating and cooling</li> <li>• ErP class: C</li> <li>• Usable volume: 195 L</li> <li>• Floor installation</li> </ul>
Safety valve 10B 20X27	7ACFH0863		<ul style="list-style-type: none"> <li>• Rated power de l'installation: 46 kW</li> <li>• Scale for adjustment: 0.1 to 0.6 bar differential</li> </ul>
Expansion vessel 12 L	7ACFH0864		<ul style="list-style-type: none"> <li>• CE standard vessel for heating and cooling circuit</li> <li>• Capacity: 12 L</li> <li>• Pre-inflation: 1 bar</li> </ul>
Expansion vessel 18 L	7ACFH0865		<ul style="list-style-type: none"> <li>• CE standard vessel for heating and cooling circuit</li> <li>• Capacity: 18 L</li> <li>• Pre-inflation: 1 bar</li> </ul>
Wall support for expansion vessel	7ACFH0866		<ul style="list-style-type: none"> <li>• Stem, vase support, equipped with:               <ul style="list-style-type: none"> <li>- quick coupling for vase</li> <li>- air vent PR2</li> <li>- NC valve with pressure gauge</li> </ul> </li> </ul>
Backflow preventer 1/2	7ACFH0867		<ul style="list-style-type: none"> <li>• Non-controllable reduced pressure zone backflow preventer</li> <li>• NF</li> </ul>

### ACCESSORIES

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



DESIGNATION		DHW TANK 200L	DHW TANK 300L	DHW TANK 500L	DHW TANK 500S
<b>Part number</b>		<b>7ACFH0872</b>	<b>7ACFH0873</b>	<b>7ACFH0874</b>	<b>7ACFH0877</b>
Heat pump max. capacity	kW	10	16	22	22
Volume	L	196	273	475	464
Surface of exchanger	m <sup>2</sup>	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