



Heat pump  
Cooling & heating

Airwell

# WELLEA MONOBLOC DF

Monobloc heat pump

A+++

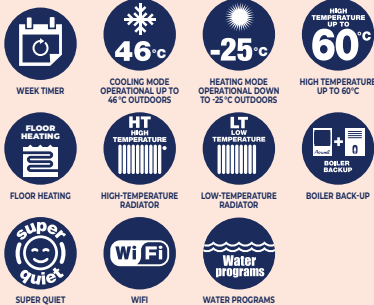
**HYBRID**  
HOUSE by Airwell



## + PRODUCT

- RCW29 remote control included
- Water at up to 60°C at outdoor temperatures down to -10°C
- Compatible with all types of emitter
- High power available

## FEATURES



### THE + «SUSTAINABLE DEVELOPMENT»

- > High energy class A+++.

### THE + «USER»

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

### THE + «INSTALLER»

- > Customisable water program.
- > Allowing the entire heating circuit to be managed using the many available connections.

### THE + «TECHNOLOGY»

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



18-30 kW



RCW29  
included








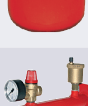


*ideal for the renovation*  
**OF LARGE HOUSES**



### TECHNICAL DATA

MODEL		AW-WHPMA18-H93	AW-WHPMA22-H93	AW-WHPMA26-H93	AW-WHPMA30-H93	
Part number		7HP061085	7HP061086	7HP061087	7HP061088	
Phase		Three phase				
<b>HEATING MODE</b>						
Air +7°C Water 30/35°C	Heating capacity	kW	18.30	22.30	26.30	29.93
	Power input	kW	3.96	5.13	6.50	8.02
	<b>COP</b>		<b>4.63</b>	<b>4.35</b>	<b>4.05</b>	<b>3.73</b>
Air -7°C Water 30/35°C	Heating capacity	kW	18.00	21.00	22.00	23.00
	Power input	kW	6.67	8.08	8.80	9.39
	<b>COP</b>		<b>2.70</b>	<b>2.60</b>	<b>2.50</b>	<b>2.45</b>
Air +7°C Water 47/55°C	Heating capacity	kW	18.10	22.10	26.06	29.68
	Power input	kW	6.63	8.33	10.72	12.97
	<b>COP</b>		<b>2.73</b>	<b>2.65</b>	<b>2.43</b>	<b>2.29</b>
Air -7°C Water 47/55°C	Heating capacity	kW	10.70	13.50	16.70	22.30
	Power input	kW	8.78	10.40	12.20	14.10
	<b>COP</b>		<b>1.22</b>	<b>1.30</b>	<b>1.37</b>	<b>1.58</b>
<b>COOLING MODE</b>						
Air 35°C Water 12/7°C	Cooling capacity	kW	17.00	21.00	26.00	29.50
	Power input	kW	5.57	7.12	9.63	11.57
	<b>EER</b>		<b>3.05</b>	<b>2.95</b>	<b>2.70</b>	<b>2.55</b>
Air 35°C Water 23/18°C	Cooling capacity	kW	18.50	23.00	27.00	31.00
	Power input	kW	3.90	5.00	6.28	7.75
	<b>EER</b>		<b>4.75</b>	<b>4.60</b>	<b>4.30</b>	<b>4.00</b>
<b>PERFORMANCE</b>						
Energy label (average climate)	Water outlet to 35°C		<b>A+++</b>			<b>A++</b>
	Water outlet to 55°C		<b>A++</b>			<b>A+</b>
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 at 1m		dB(A)	58	60	62	64
<b>OPERATING LIMITS</b>						
Outdoor temperature	Cooling	°C	-5/46			
	Heating	°C	-25/35			
	DHW	°C	-25/43			
<b>POWER SUPPLY</b>						
Phase/Voltage/Frequency		3P/380-415V/50Hz				
Fuse rating am	A	21.00	24.50	27.00	28.50	
<b>INSTALLATION &amp; OTHERS</b>						
Airflow	m³/h	10650		11200		
<b>Refrigerant/GWP</b>		<b>R32/675</b>				
Charge	kg	5				
Outline dimensions (WxHxD)	mm	1129x1558x440				
Package dimensions (WxHxD)	mm	1220x1735x565				
Net weight/Gross weight	kg	177/206				
Water pipe diameter	inches	R1-1/4"				

## 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>• Échelle graduée pour le réglage: 0,1 to 0,6 bar différentiel</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>

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## Monobloc heat pump

### 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 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
Volume	L	196	194	273	267	475	464
Surface of exchanger	m <sup>2</sup>	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 label		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