



Heat pumps
Cooling and heating

WELLEAMONOBLOC

MONOBLOC HEAT PUMP



5-7-9kW



12-14-16kW



COP up to 5.00

EER up to 4.82

+ PRODUCTS

- RCW24 remote control included
- Water at up to 60°C at outdoor temperatures down to -10°C
- Dry contact + ModBus (redundancy and cascade possible)
- Compatible with all types of emitter
- Electric heater included from 12kW

FEATURES



WEEK TIMER



46°C
COOLING MODE OPERATIONAL UP TO 46°C OUTDOORS



-25°C
HEATING MODE OPERATIONAL DOWN TO -25°C OUTDOORS



60°C
HIGH TEMPERATURE UP TO 60°C



FLOOR HEATING



HT
HIGH TEMPERATURE RADIATOR



LT
LOW TEMPERATURE RADIATOR



BOILER BACKUP



ULTRA QUIET



WiFi



Water programs



CEE

THE + «SUSTAINABLE DEVELOPMENT»

→ High energy class A+++

THE + «USER»

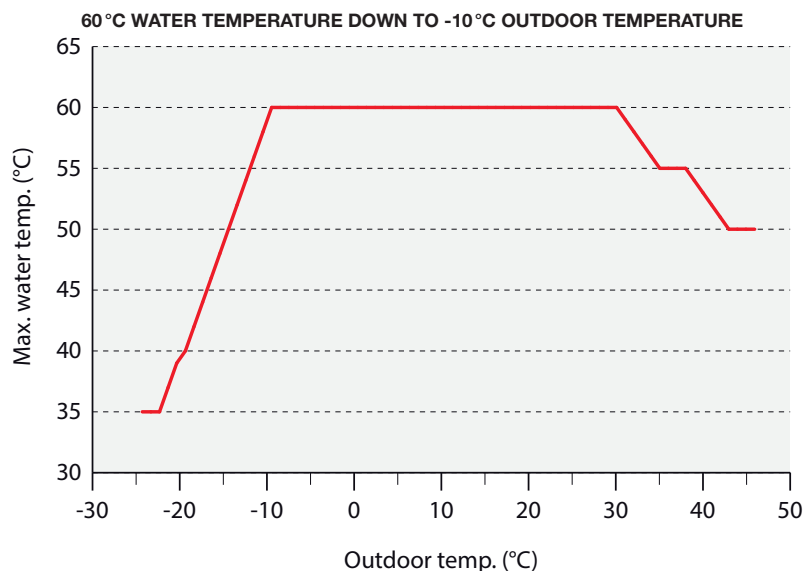
- Compatible with all emitters
- Great flexibility of use
- Perfect for replacing an oil or gas burner

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



Airwell

Just feel well

WELLEA MONOBLOC TECHNICAL DATA - SINGLE PHASE

Model			AW-WHPM05-H91	AW-WHPM07-H91	AW-WHPM09-H91	AW-WHPM12-H91	AW-WHPM14-H91	AW-WHPM16-H91
Part number			7HP061050	7HP061051	7HP061052	7HP061053	7HP061054	7HP061055
Phase			Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
HEATING MODE								
Air +7°C Water 30/35°C	Heating capacity	kW	4.65	6.65	8.60	12.30	14.10	16.30
	Power input	kW	0.93	1.35	1.87	2.56	3.07	3.66
	COP		5.00	4.94	4.60	4.81	4.60	4.45
Air -7°C Water 30/35°C	Heating capacity	kW	4.90	6.45	7.50	12.00	12.80	13.50
	Power input	kW	1.64	2.16	2.53	4.29	4.60	4.91
	COP		2.99	2.98	2.96	2.80	2.78	2.75
Air +7°C Water 40/45°C	Heating capacity	kW	4.80	6.70	8.60	12.40	14.10	16.20
	Power input	kW	1.33	1.88	2.50	3.52	4.06	4.72
	COP		3.60	3.57	3.44	3.53	3.47	3.43
Air +7°C Water 47/55°C	Heating capacity	kW	4.65	6.80	8.60	11.90	14.20	16.10
	Power input	kW	1.77	2.42	3.13	4.28	5.17	5.91
	COP		2.63	2.81	2.75	2.78	2.75	2.73
COOLING MODE								
Air 35°C Water 12/7°C	Cooling capacity	kW	4.85	6.30	7.95	10.90	12.90	13.80
	Power input	kW	1.63	2.27	3.15	3.74	4.62	5.21
	EER		2.98	2.77	2.53	2.92	2.80	2.65
Air 35°C Water 23/18°C	Cooling capacity	kW	4.60	6.45	8.00	12.20	14.00	15.50
	Power input	kW	0.95	1.39	1.92	2.55	3.10	3.64
	EER		4.82	4.65	4.16	4.78	4.52	4.26
PERFORMANCE								
Energy label	Water outlet to 35°C	ηs/ class	176%/A+++	176%/A+++	177%/A+++	169%/A++	168%/A++	169%/A++
	Water outlet to 55°C	ηs/ class	127%/A++	127%/A++	126%/A++	126%/A++	128%/A++	128%/A++
SCOP (average climate)	Water outlet to 35°C		4.47	4.47	4.51	4.29	4.27	4.30
	Water outlet to 55°C		3.24	3.24	3.22	3.23	3.26	3.27
SEER (average climate)	Water outlet to 7°C		4.71	4.99	4.92	4.85	4.73	4.54
	Water outlet to 18°C		7.61	8.58	7.88	7.50	7.16	6.78
Sound level		dB(A)	61	64	67	68	71	71
OPERATING LIMITS								
Outdoor air temperature	Cooling	°C	-5/43			-5/46		
	Heating	°C	-25/35					
	DHW	°C	-25/43					
Water temperature	Cooling	°C	5/25					
	Heating	°C	25/60					
	DHW	°C	40/60					
POWER SUPPLY								
Electric backup heater	Built-in standard	kW	-	-	-	3.0	3.0	3.0
	Optional	kW	3.0	3.0	3.0	-	-	-
	Number of stages		1	1	1	1	1	1
Phase/Voltage/Frequency			1P/220-240V/50Hz					
Fuse rating		A	25	25	25	30	30	30
INSTALLATION & OTHERS								
Airflow		m³/h	3050	3050	3050	6150	6150	6150
Refrigerant	Type/GWP		R32/675					
	Charge	kg	2.0			2.8		
Outline dimensions (WxHxD)		mm	1210x945x402			1404x1414x405		
Package dimensions (WxHxD)		mm	1500x1140x450			1475x1580x440		
Net weight/Gross weight		kg	92/110			163/183		
Water connection		inches	1" Male			1-1/4" Male		



WELLEA MONOBLOC TECHNICAL DATA - THREE PHASE

Model			AW-WHPM12-H93	AW-WHPM14-H93	AW-WHPM16-H93
Part number			7HP061056	7HP061057	7HP061058
Phase			Three phase	Three phase	Three phase
HEATING MODE					
Air +7°C Water 30/35°C	Heating capacity	kW	12.30	14.10	16.30
	Power input	kW	2.54	3.05	3.63
	COP		4.84	4.63	4.49
Air -7°C Water 30/35°C	Heating capacity	kW	12.00	12.80	13.50
	Power input	kW	4.22	4.55	4.85
	COP		2.84	2.81	2.79
Air +7°C Water 40/45°C	Heating capacity	kW	12.40	14.10	16.20
	Power input	kW	3.45	3.99	4.70
	COP		3.59	3.54	3.45
Air +7°C Water 47/55°C	Heating capacity	kW	11.90	14.20	16.10
	Power input	kW	4.24	5.10	5.83
	COP		2.81	2.79	2.76
COOLING MODE					
Air 35°C Water 12/7°C	Cooling capacity	kW	10.90	12.90	13.80
	Power input	kW	3.72	4.62	5.19
	EER		2.93	2.80	2.66
Air 35°C Water 23/18°C	Cooling capacity	kW	12.20	14.00	15.50
	Power input	kW	2.53	3.11	3.63
	EER		4.83	4.50	4.27
PERFORMANCE					
Energy label	Water outlet to 35°C	ηs/ class	169%/A++	168%/A++	169%/A++
	Water outlet to 55°C	ηs/ class	126%/A++	128%/A++	128%/A++
SCOP (average climate)	Water outlet to 35°C		4.29	4.27	4.30
	Water outlet to 55°C		3.23	3.26	3.27
SEER (average climate)	Water outlet to 7°C		4.86	4.73	4.54
	Water outlet to 18°C		7.5	7.16	6.78
Sound level		dB(A)	68	71	71
OPERATING LIMITS					
Outdoor air temperature	Cooling	°C		-5/46	
	Heating	°C		-25/35	
	DHW	°C		-25/43	
Water temperature	Cooling	°C		5/25	
	Heating	°C		25/60	
	DHW	°C		40/60	
POWER SUPPLY					
Electric backup heater	Built-in standard	kW	4.5	4.5	4.5
	Number of stages		1	1	1
Phase/Voltage/Frequency			3P/380-415V/50Hz		
Fuse rating		A	15	15	15
INSTALLATION & OTHERS					
Airflow		m³/h	6150		
Refrigerant	Type/GWP		R32/675		
	Charge	kg	2.8		
Outline dimensions (WxHxD)		mm	1404x1414x405		
Package dimensions (WxHxD)		mm	1475x1580x440		
Net weight/Gross weight		kg	177/198		
Water connection		inches	1-1/4" Male		

Airwell




Just feel well

ALL HEAT PUMPS ACCESSORIES

PART NUMBER	NAME	FUNCTION
(included)	Y-shape filter ⓘ	Protect the heat pump from sludging and preserve optimum thermal exchange.
7ACFH0663	Buffer tank 140 L	It protects the heat pump against short cycles that can reduce the useful life of the compressors and improves operation during defrosting phases.
 7ACFH0666	Settling filter (pot) ⓘ	Protect the heat pump from sludging and preserve optimum thermal exchange.
 7ACTL0510	Floor support rubber recycled (pair) ⓘ Length: 1 000 mm	Necessary for a professional installation.

ⓘ Mandatory accessory.

WELLEA MONOBLOC ACCESSORIES

PART NUMBER	NAME	FUNCTION
 (included)	User interface kit (digital remote controller)	<ul style="list-style-type: none"> - ON/OFF unit, outside heat source. - Operation mode setting: cooling/heating/auto. - DHW setting: fast DHW / holiday / disinfect. / DHW pump setting. - Temperature setting: water outlet temperature, room temperature. - Time setting: 12h/24. - Timer ON/OFF setting, day/weekly. - Display space heating/cooling set temperature, water tank temperature. - Display components status. - Query, malfunction code, parameter. - Test mode setting.
(included)	Thermistor for domestic hot water tank	DHW temperature control.
 7ACFH0662	300 L domestic hot water tank kit	<p>Optimised with the operation of the heat pump:</p> <ul style="list-style-type: none"> - Programmable anti-legionella function. - Management of the three-way valve / circulator pump couple. - 3.1 m² exchange surface.
 7ACFH0822	On-line electric heater - 3kW	It provides extra heating when the heating demand is greater than the capacity of the heat pump. It is matching only with sizes 5, 7 and 9.