Airwell

Just feel well

Wellea Monobloc HT

Air-water heat pump
Monobloc range
High temperature
with natural refrigerant R290



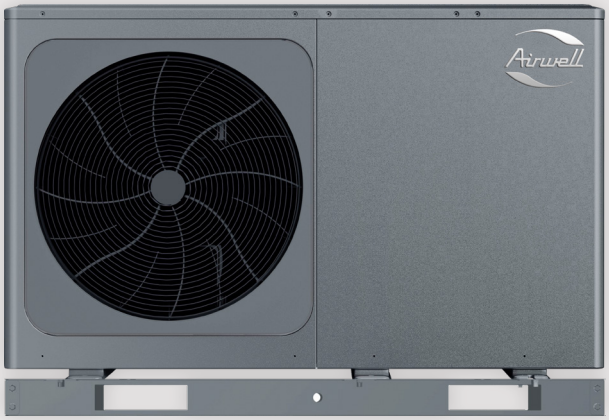
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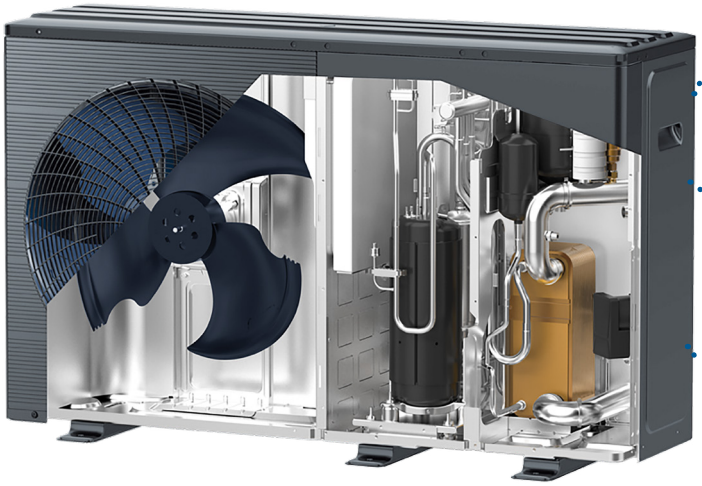
www.airwell.com

The Wellea Monobloc HT heat pump with R290 natural fluid is a low-energy solution that respects the environment and meets the most demanding criteria in terms of energy efficiency.

This all-in-one solution manages hot water, heating and cooling in the home, allowing you to enjoy absolute comfort while saving energy.

HEATING A+++ FLUID R290 SG Ready





DHW

Cooling

Heating



Features

Compatible with all your equipment

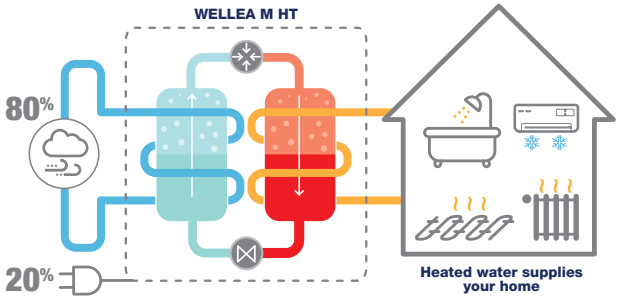
Ideal for your renovation projects, this is the solution for replacing your boiler, and enjoying greater comfort while retaining the charm of the old. The Wellea Monobloc R290 heat pump is compatible with all emitters, whether your old radiator or an underfloor heating system.

No more temperature peaks

Designed for outdoor temperatures ranging from -25°C to 46°C, the Wellea Monobloc R290 heat pump provides rapid temperature regulation. It guarantees a constant, comfortable environment, winter and summer alike.

A+++ energy rating, economy meets ecology

Up to 80% of the thermal energy required is taken from the ambient air. With the Wellea system, the thermal energy captured from the outside air is automatically transferred to heat water, meeting heating needs and providing domestic hot water. If required, this energy can also be used to cool the house.





A new remote control for absolute comfort at your fingertips!

Optimised interface

- Tactile and intuitive
- Colour screen
- Thermostat
- Key lock
- Weekly programming

2 zones control system



The advantages of the Wellea Monobloc HT R290 heat pump

Eco-friendly natural refrigerant R290 (GWP 3)

The Wellea Monobloc HT uses natural R290 fluid, which has the lowest environmental impact on the market, up to 200 times lower than R32 fluid. This new generation of heat pump is not only essential for helping to reduce CO_2 emissions, but also offers greater efficiency in terms of performance.

Design and silent

The outdoor unit has a discreet, elegant design that limits its size and noise level. Thanks to its soundproofing and the anti-vibration plate of the compressor, noise reduction ensures that it does not disturb neighbours.

Easy to install

Installing a Wellea Monobloc heat pump is quick, because it requires very little installation work. It's the ideal solution for those who want comfort quickly, without major installation work.

Compatible with photovoltaic panels thanks to SG Ready

This feature transforms the free energy from your photovoltaic panels into thermal energy (hot water) that you can use in the shower. So you save energy and reduce your electricity bill!

Green Fin treatment

The new anti-corrosion treatment of the outdoor unit offers greater resistance to salty air.

Remote control

Thanks to the remote control's built-in WiFi and the AirHome smartphone app, you can control your heat pump remotely.

Performance and savings

- It offers optimum performance with operation down to -25°C.
- The Wellea Monobloc HT is ideal for refurbishment.
- Class VI control with RCW31.

Go positive energy with the Hybrid House!

My Hybrid House by Airwell is your new solution for controlling your home's energy costs, enjoying ideal thermal comfort and protecting the planet.

Remote control

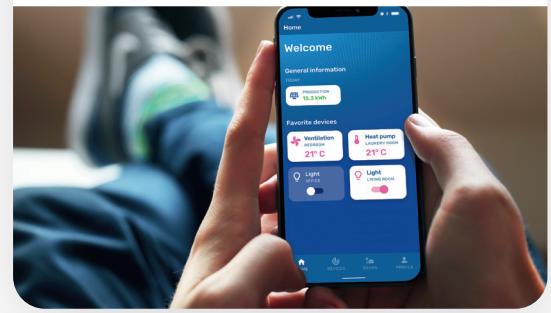
Control your home at your fingertips

Thanks to its Wi-Fi connectivity, you can regulate the temperature of your home wherever you are. With the AirHome smartphone application, you can control the thermostat remotely to ensure the perfect temperature as soon as you arrive, or to turn it off if you're away. You'll be able to control your energy consumption at the touch of a button!



AirHome

- Programming of heating, cooling or rolling shutters, day or night, at home or remotely.
- Real-time monitoring of the production of your solar panels.
- Easy visualisation of the consumption of your appliances.



To find an **approved installer near you** or to find out more about My Hybrid House, visit our dedicated website:

https://www.airwell.com/en/hybrid-house-solutions/

Technical data

OUTDOOR UNIT			BDHW-040R-04M25	BDHW-060R-04M25	BDHW-080R-04M25	BDHW-100R-04M25	BDHW-120R-04M25	BDHW-140R-04M25	BDHW-160R-04M25	BDHW-120R-04T35	BDHW-140R-04T35	BDHW-160R-04T35
Part number			7MB140020	7MB140021	7MB140022	7MB140023	7MB140024	7MB140025	7MB140026	7MB140027	7MB140028	7MB140029
Phase			*Single-phase*				*Single-phase*			*Three-phase*		
HEATING MODE												
Air +7°C Water 35°C	Heating capacity	kW	4.50	6.20	8.40	10.00	12.00	14.00	15.00	12.00	14.00	15.00
	COP		**5.15**	**4.90**	**5.00**	**4.70**	**4.80**	**4.50**	**4.40**	**4.80**	**4.50**	**4.40**
Air -7°C Water 35°C	Heating capacity	kW	4.50	5.90	7.00	8.00	10.00	11.50	12.70	10.00	11.50	12.70
	COP		**3.10**	**2.95**	**3.00**	**2.85**	**2.80**	**2.70**	**2.50**	**2.80**	**2.70**	**2.50**
Air +7°C Water 55°C	Heating capacity	kW	4.40	6.00	7.50	9.50	11.90	13.80	16.00	11.90	13.80	16.00
	COP		**2.95**	**2.95**	**3.18**	**3.10**	**3.05**	**2.95**	**2.85**	**3.05**	**2.95**	**2.85**
Air -7°C Water 55°C	Heating capacity	kW	4.00	5.15	6.15	6.85	9.80	11.00	12.50	9.80	11.00	12.50
	COP		**1.95**	**2.00**	**2.05**	**2.00**	**2.05**	**2.05**	**2.00**	**2.05**	**2.05**	**2.00**
Air +7°C Water 60°C	Heating capacity	kW	4.58	6.20	8.31	9.27	12.06	14.00	15.10	12.06	14.00	15.10
	COP		**2.94**	**2.82**	**2.98**	**2.82**	**2.88**	**2.77**	**2.68**	**2.88**	**2.77**	**2.68**
Air +7°C Water 65°C	Heating capacity	kW	4.63	6.19	8.11	9.26	12.02	13.71	14.71	12.02	13.71	14.71
	COP		**2.57**	**2.47**	**2.67**	**2.55**	**2.63**	**2.51**	**2.43**	**2.63**	**2.51**	**2.43**
Air +7°C Water 75°C	Heating capacity	kW	4.65	5.84	8.04	8.85	10.89	11.40	12.36	10.89	11.40	12.36
	COP		**2.10**	**1.95**	**2.15**	**2.05**	**2.01**	**1.97**	**1.92**	**2.01**	**1.97**	**1.92**
COOLING MODE												
Air +35°C Water 18°C	Cooling capacity	kW	4.50	6.50	8.30	10.00	12.00	14.00	16.00	12.00	14.00	16.00
	EER		**5.50**	**5.10**	**5.15**	**4.75**	**4.50**	**4.20**	**3.90**	**4.50**	**4.20**	**3.90**
Air +35°C Water 7°C	Cooling capacity	kW	4.70	6.80	7.50	8.90	11.50	12.70	14.00	11.50	12.70	14.00
	EER		**3.65**	**3.10**	**3.45**	**3.25**	**3.05**	**2.90**	**2.75**	**3.05**	**2.90**	**2.75**
PERFORMANCE												
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	%	200	193	204	200	184	182	180	184	182	180
	Water outlet to 55°C	%	149	150	150	150	142	141	140	142	141	140
SCOP (average climate)	Water outlet to 35°C		5.07	4.89	5.19	5.07	4.67	4.63	4.59	4.67	4.63	4.59
	Water outlet to 55°C		3.79	3.82	3.82	3.82	3.62	3.61	3.57	3.62	3.61	3.57
Sound level		dB(A)	56	58	60	61	65	65	69	65	65	69
Sound pressure level (1m)		dB(A)	44	46	48	49	51	52	56	51	52	56
OPERATING LIMITS												
Outdoor air temperature	Cooling	°C	-5/46				-5/46					
	Heating	°C	-25/35				-25/35					
	Domestic hot water	°C	-25/46				-25/46					
POWER SUPPLY												
Phase/Voltage/Frequentie			1P/220-240V/50Hz				1P/220-240V/50Hz			3P/380-415V/50Hz		
Power cable section		mm²	3G2.5	3G2.5	3G4	3G4	3G6	3G6	3G6	5G2.5	5G2.5	5G2.5
Fuse rating am		A	16	16	20	20	32	32	32	16	16	16
INSTALLATION AND OTHERS												
Airflow		m³/h	2770		4030		4060		4650	4060		4650
Refrigerant/GWP			**R290/3**									
Charge		kg	0.7		1.1		1.25					
Outline dimensions (WxHxD)		mm	1295x792x429		1385x945x526		1385x945x526					
Net weight		kg	98		121		144			160		

GROUPE AIRWELL

ISO 9001 BUREAU VERITAS Certification

A French brand that sets the standard for professionals.

French expert and creator of climatic and thermal solutions for over 75 years.

10, rue du Fort de Saint-Cyr - 78180 Montigny-le-Bretonneux, FRANCE

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