

PAC HT SERIES

		PAC HT 12-6	PAC HT 14-7	PAC HT 18-9	
Exterior ambient 7°C					
Heating	Single compressor heating capacity / water system 30/35°C	kW	6.5	7.9	8.9
	Power Input	kW	1.7	2.0	2.2
	COP		3.84	3.99	4.12
	Single compressor heating capacity / water system 40/45°C	kW	6.2	7.5	8.4
	Power Input	kW	2.0	2.3	2.5
	COP		3.14	3.23	3.36
	Dual compressor heating capacity / water system 40/50°C	kW	12.0	14.3	17.9
	Power Input	kW	4.4	4.9	6.1
	COP		2.73	2.9	2.93
Exterior ambient 2°C					
Heating	Dual compressor heating capacity / water system 50°C	kW	10.4	12.4	15.4
	Power Input	kW	4.4	4.9	6.1
	COP*		2.37	2.5	2.52
Exterior ambient 0°C					
Heating	Dual compressor heating capacity / water system 65°C	kW	10.0	12.0	14.8
	Power Input	kW	5.1	6.0	7.3
	COP*		1.96	2.0	2.03
Exterior ambient -7°C					
Heating	Dual compressor heating capacity / water system 65°C	kW	8.9	10.7	13.1
	Power Input	kW	4.7	5.6	6.6
	COP*		1.87	1.91	1.98
Exterior ambient -15°C					
Heating	Dual compressor heating capacity / water system 65°C	kW	7.3	9.3	11.4
	Power Input	kW	4.2	5.3	6.0
	COP*		1.75	1.76	1.88
Exterior ambient -20°C					
Heating	Dual compressor heating capacity / water system 65°C	kW	6.3	8.5	10.5
	Power Input	kW	3.8	5.0	5.7
	COP*		1.66	1.7	1.85
	Nominal water flow m ³ /h		1.03	1.23	1.48
	Available hydraulic pressure (GV)	kPa	52	50	48
	Outdoor temperature operating limits	°C	see the technical sheet for detailed operational data		
	Min/Max leaving water temperature	°C	-20°C		
			25°C / 65°C		
	Sound pressure level at 5m in open space	dB(A)	42	42	42
	Sound power level dB(A)		67	67	67
	Compressor type		2 Scroll compressors		
	Weight	kg	195	201	208
	Dimensions (WxDxH)	mm	1150x401x1309		
	Heat exchanger type		Plates		
Pipe Line	Water Inlet	inches	1" F		
	Water outlet	inches	1" F		
Power supply 1-230V	Power cable	mm ²	3 x 6	3 x 6	-
	Main fuse	A	32	32	-
Power supply 3N-400V	Power cable	mm ²	5 x 2.5	5 x 2.5	5 x 2.5
	Main fuse	A	16	16	16

*with defrosting

Airwell

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PAC HT

HIGH TEMPERATURE HEAT PUMPS

Airwell



CM PACTH 1 - A1 GB - These specifications are intended as a guideline and are subject to change without notice - photos are non-contractual - Printed in EU.

AN AIRWELL GROUP COMPANY



The air naturally stores up energy from the sun, rain and wind all year round. This provides a non-polluting and, above all, free renewable source of energy which we can exploit with thermodynamic heating. With the new Airwell high temperature range of air/water heat pumps, you can now free yourself from the conventional, expensive and polluting energy sources of fuel and gas and help the environment.

ECOLOGICAL AND HIGH-PERFORMANCE HEATING SYSTEMS.

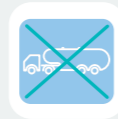
With the high temperature heat pump and its patented **dual compressor** technology (an Airwell innovation) you can replace your existing boiler while ensuring that all your heating needs are met and have clean, hot water all year round.



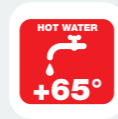
Ecological heating



Replaces your boiler



No more fuel or gas deliveries...



DHW with anti-legionella treatment



Operates at outside temperatures of up to -20°C

+ PERFORMANCE AND EFFICIENCY

- Hot water supply of 65°C even at -20°C outdoor ambient temperature without support of electrical heater.
- The only appliance that guarantees the same performance at +7°C and -7°C
- High performance and operation at up to -20°C outdoor temperature with dual compressor technology
- Exceptionally high coefficient of performance (COP) of up to 4.12

+ COMFORT

- Solution optimised for comfort
- Quiet operation
- Optimum performance with SCROLL compressors enabling a large operating limit and low consumption
- Electronic control board and thermostats let you adjust the temperature to the level you want
- Clean energy - no waste or pollution

+ SIMPLICITY

- All-in-one system guarantees heating and clean hot water
- Quick and inexpensive to install and maintain, boiler replaced without specific modification to your existing installation
- Thermodynamic production and management of domestic hot water (DHW) with anti-legionella treatment
- R407C "green" ecological Refrigerent



• Respect for the environment

Up to 80% less CO₂ per year

The high temperature heat pump range operates on a closed circuit, so there is no emission, thereby contributing to protecting the environment. In addition, by using the green refrigerant R407C which protects the ozone layer and is contained in a sealed circuit built-in, these heat pumps use three times less energy than conventional heating systems. Essentially, the heating system in a building is powered by water alone.

FULLY-EQUIPPED PRODUCTS, AS STANDARD:

- Heat exchange protection grille
- Electric control panel
- Phase controller (three-phase models)
- Softstarter device (single-phase models)
- 3 speed water circulation pump
- Programmable and display room thermostat
- Safety circuit breaker
- Automatic purging device
- Safety valve
- Water filler valve
- HP/LP (high/low pressure) pressostat

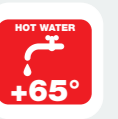
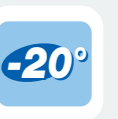


PATENTED INNOVATION AND SYSTEM: DUAL COMPRESSOR TECHNOLOGY*

Optimum control with three options for use:

- Operation of small single compressor for minimum consumption for most uses
- Operation of large single compressor for fast heating
- Operation of both compressors together (double-layer) for high power and increased performance at low temperatures.

The AIRWELL PAC HT is the only high temperature heat pump that is **guaranteed to give you water at an output temperature of 65°C and at outside temperatures of up to -20°C.**



ULTIMATE CONTROL

Ensures the compressors' operating mode is automatically selected, guarantees optimised control with or without the room thermostat and constantly analyses all safety and diagnostic parameters.

DISPLAY ROOM THERMOSTAT

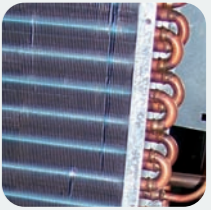
Provides a visual display of the operation and complete control over a number of functions, such as:

- Setting the air temperature to the level you want
- Programming the temperature on a daily or weekly basis
- Programming periods of absence, non-freeze mode



PROVEN RELIABILITY

The hydrophilic treatment of the smooth-fin exchanger protects the appliance from corrosion throughout its lifetime while guaranteeing continuous high performance levels. Equipped with a galvanised metal casing, coated with an epoxy anti-corrosion treatment, the hot water PAC HT offers you durability no matter how extreme the conditions of use.



A PRODUCT DESIGNED AND PRODUCED AT OUR NORMANDY FACTORY IN FRANCE



*French patent: Dual-layer cycle with economiser and partial injection