

PAC+ R

AIR-TO-WATER PACKAGED HEAT PUMPS FOR INSTALLATION IN CONJUNCTION

3 Models
From 8,1 kW to 14,1 kW



Programmable room thermostat



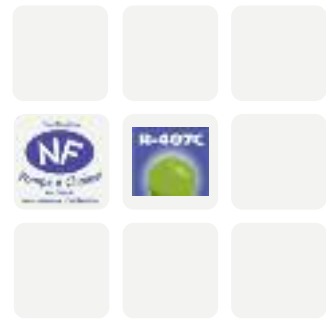
Regulation kit



PRODUCT ADVANTAGES

- “Ready for use”, monobloc heat pumps with integrated hydro kit designed to fit with new heating installation.
- Corrosion-proof casing coated with oven-baked epoxy paint.
- Compatible with heating floors, radiators or water terminal units.
- Hydro kit complete with circulating pump, flow switch, automatic bleed valve, pressure gauge, safety valve and water filling/drain valve.
- Cooling and heating modes : however, units are optimized for heating operation.
- Leaving water temperature up to +55 °C in heating mode.
- Operation with outdoor temperature down to -15 °C with standard Scroll compressors and to -20 °C with optional high performance ones.
- Coaxial heat exchanger to reduce clogging.
- Outdoor coil with hydrophilic coated fins to ease condensation water runoff during defrost cycles.
- Full of safety functions with the aid of electrical, refrigerant and water components : protection fuses or circuit breaker, soft starter for single-phase units, phase controller for 3-phase units, power disconnect switch, HP/LP pressostats, water flow switch and 4 temperature sensors (return water, leaving water, outdoor coil and outdoor air).
- Electronic controller ensures comfort and optimum COP with the use of room thermostat and return water temperature control system in relation to outdoor temperature (law of water).
- Several options and accessories : high performance Scroll compressors, compressor soundproofing, copper/copper outdoor coil, water shut-off valves, set of hoses, insulated buffer tank, water filter.
- Designed to operate in heating mode only and to fit with existing heating installation in conjunction with a boiler.
- Optional hydraulic connection kit with 3-way valves.

Accessories	Size	PAC+ R 08	PAC+ R 10	PAC+ R 12
Stop valves with pressure connectors	7ACFH0423	€		
Flexible kit 1" MF log. 1 m	7ACFH0422	€		
Water filter	7ACFH0278	€		
Room Thermostat	7ACEL1406	€		
Programming key kit for underfloor heating	7ACEL1399	€		
Programming key kit for radiator	7ACEL1400	€		



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Outdoor units			PAC+ R 08	PAC+ R 10	PAC+ R 12
Water system at 30/35°C					
Heating	Capacity at outside temp. of 7°C	kW	8.1	11.2	14.1
	Power input	kW	2.3	3.1	3.9
	COP		3.53	3.60	3.63
	Capacity at outside temp. of 2°C*	kW	6.2	8.1	10.0
	Power input at outside temp. of 2°C	kW	2.3	3.0	3.6
	Capacity at outside temp. of -7°C*	kW	5.1	7.2	8.7
	Power input at outside temp. of -7°C	kW	2.3	3.1	3.7
	Nominal water flow	m ³ /h	1.43	1.97	2.52
	Available hydraulic pressure (HS)	kPa	41	26	59
	Outdoor temperature operating limits	°C	-15°C	-15°C	-15°C
	Min./max water leaving temperature	°C	25°C / 55°C	25°C / 55°C	25°C / 55°C
Water system at 40/45°C					
Heating	Capacity at outside temp. of 7°C	kW	7.7	10.7	13.6
	Power input	kW	2.8	3.8	4.6
	Heating capacity at outside temp. of -7°C*	kW	5.1	6.9	9.1
	Power input at outside temp. of -7°C	kW	2.8	3.7	4.5
	Nominal water flow	m ³ /h	1.36	1.90	2.43
	Available hydraulic pressure (HS)	kPa	45	29	60
	Outdoor temperature operating limits	°C	-15°C	-15°C	-15°C
	Min./max water leaving temperature	°C	25°C / 55°C	25°C / 55°C	25°C / 55°C
	Sound pressure level at 5 m in open space**	dB(A)	39	39	39
	Sound power level**	dB(A)	64	64	64
	Compressor type		Scroll	Scroll	Scroll
	Weight	kg	180	183	188
	Dimension (WxDxH)	mm	1236x400x1308	1236x400x1308	1236x400x1308
	Heat exchanger		Coaxial	Coaxial	Coaxial
	Pipe line	Water inlet	inches	1" female	1" female
Water outlet		inches	1" female	1" female	1" female
Power supply 1-230V-50Hz	Power cable	mm ²	3x2.5	3x4	3x6
	Main fuse	A	20	25	32
Power supply 3N-400V-50Hz	Power cable	mm ²	-	5x2.5	5x2.5
	Main fuse	A	-	16	16
* Value includes defrosting.					
** Sound level of units equipped with sound insulation on compressor (supplied as standard). Add 3 dB(A) is this insulation is removed.					

Accessories	Size	PAC+ R 08	PAC+ R 10	PAC+ R 12
Hydraulic connexion kit with 3 ways valve	7ACFH0490	€		
Hydraulic connexion kit without 3 ways valve	7ACFH0491	€		
3 ways zone valve only	7ACFH0543	€		
Regulation kit with ambient thermostat	7ACFH0492	€		
Regulation kit with wireless thermostat	7ACEL1429	€		