

Heat pumps - Cooling and heating mode

PAC HOME INDOOR MONOBLOC HEAT PUMP WITH DHW PRODUCTION



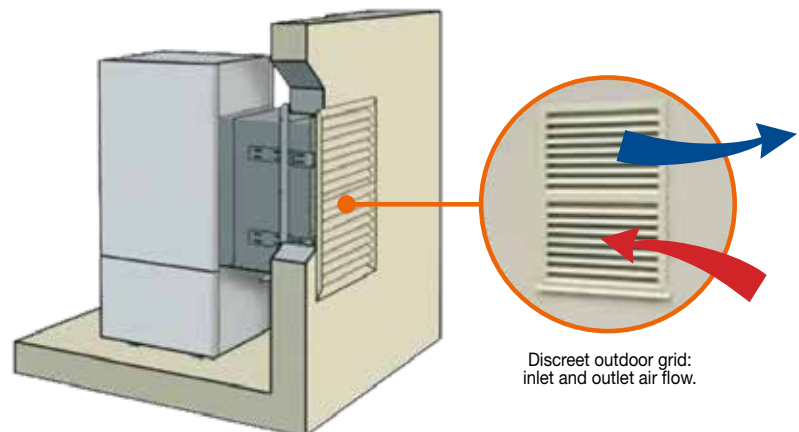
+ PRODUCTS

- No refrigerant handling.
- Aluminium finish.
- Energy efficiency: 148% ηs.
- Electromechanical product.
- Reversible solution.

FEATURES

 R407C FLUID	 WEEK TIMER	 HEATING MODE OPERATIONAL DOWN TO -21°C OUTDOORS	 HIGH TEMPERATURE UP TO 60°C
 FLOOR HEATING	 HIGH-TEMPERATURE RADIATOR	 LOW-TEMPERATURE RADIATOR	 BOILER REPLACEMENT
 BOILER BACK-UP	 ULTRA QUIET	 WATER PROGRAMS	 DOMESTIC HOT WATER



- Compatible with several transmitters: heated floors, radiators, fan-convectors...
- Performances assured even in very cold weather.
- Very fast domestic hot water production.
- Solution "Plug & Play" to replace the old monobloc heat pump.
- Simplified maintenance: easy access to the main elements (probes, electronic cards...).
- Control panel integrated on the product (status, diagnosis...).
- Stainless Steel DHW tank 300L (option) : optimized comfort.
- Durability: high protection treatment on electronic cards.
- DUO tank : Tank on tank ! Stainless Steel DHW tank 200L and buffer tank 90L. Optimal functioning of the HP. Optimize space (optional) !



PAC HOME TECHNICAL DATA

Models		AW-PAC HOME -5kW-H11	AW-PAC HOME -7kW-H11	AW-PAC HOME -9kW-H11	AW-PAC HOME -12kW-H11	AW-PAC HOME -12kW-H13	AW-PAC HOME -15kW-H13	AW-PAC HOME -15kW-H11	AW-PAC HOME -19kW-H11	AW-PAC HOME -19kW-H13	AW-PAC HOME -24kW-H13	
Part number		7HP061035	7HP061036	7HP061037	7HP061038	7HP061039	7HP061040	7HP061041	7HP061042	7HP061043	7HP061044	
Part number grid + plenum		7ACVF0589	7ACVF0589	7ACVF0590	7ACVF0590	7ACVF0590	7ACVF0591	7ACVF0591	7ACVF0592	7ACVF0592	7ACVF0593	
Phases		Single phase	Single phase	Single phase	Single phase	Three phase	Three phase	Single phase	Single phase	Three phase	Three phase	
HEATING MODE												
Air +7°C Water 30/35°C	Heating capacity	kW	5.02	6.68	8.98	11.20	11.09	15.89	15.64	19.11	19.09	23.80
	Power input	kW	1.14	1.67	2.04	2.61	2.55	3.53	3.40	4.20	4.15	5.06
	COP		4.40	4.00	4.40	4.29	4.35	4.50	4.60	4.55	4.60	4.70
Air +7°C Water 40/45°C	Heating capacity	kW	4.90	6.19	8.56	10.60	10.60	14.75	14.75	18.30	18.30	22.92
	Power input	kW	1.38	1.95	2.25	2.90	2.90	4.21	4.21	5.20	5.20	6.20
	COP		3.55	3.18	3.80	3.66	3.66	3.50	3.50	3.52	3.52	3.70
Air +7°C Water 47/55°C	Heating capacity	kW	4.39	5.53	7.71	9.71	9.64	13.85	13.85	16.50	16.60	20.60
	Power input	kW	1.60	1.97	2.77	3.52	3.36	5.00	4.79	5.87	5.73	7.29
	COP		2.74	2.81	2.78	2.76	2.87	2.77	2.89	2.81	2.90	2.83
Air -7°C Water 30/35°C	Heating capacity	kW	3.20	4.20	5.60	7.00	6.85	10.00	9.90	12.10	12.00	15.90
	Power input	kW	1.10	1.59	1.87	2.40	2.30	3.33	3.19	4.20	3.75	5.00
	COP		2.91	2.64	3.00	2.92	2.98	3.00	3.10	2.88	3.20	3.18
COOLING MODE												
Air +7°C Water indoor / outdoor 12/7°C	Cooling capacity	kW	3.36	4.29	5.96	7.47	7.58	10.65	10.85	12.90	13.00	15.90
	Power input	kW	1.34	1.70	2.35	2.95	2.83	4.20	4.06	4.72	4.88	6.35
	EER		2.51	2.52	2.54	2.53	2.68	2.54	2.67	2.73	2.66	2.50
Air +7°C Water indoor / outdoor 23/18°C	Cooling capacity	kW	5.04	6.37	8.85	11.1	11.20	15.70	16.00	18.90	19.20	23.40
	Power input	kW	1.40	1.75	2.47	3.11	3.01	4.38	4.28	5.27	5.17	6.83
	EER		3.60	3.64	3.58	3.57	3.72	3.58	3.74	3.59	3.71	3.43
PERFORMANCE												
Energy label	Water outlet to 35°C	ηs/class	138/A++	131/A++	139/A++	138/A++	146/A++	140/A++	146/A++	145/A++	148/A++	136/A++
	Water outlet to 55°C	ηs/class	113/A+	111/A+	113/A+	113/A+	112/A+	119/A+	121/A+	114/A+	124/A+	118/A+
SCOP (average climate)	Water outlet to 35°C		3.87	3.52	3.87	3.78	3.83	3.96	4.05	4	4.05	4.13
	Water outlet to 55°C		2.42	2.47	2.45	2.43	2.52	2.43	2.54	2.47	2.56	2.49
SEER (average climate)	Water outlet to +7°C											
	Water outlet to 18°C		3.96	4	3.94	3.92	4.1	3.95	4.11	3.94	4.09	3.77
Operating limits	Cooling	°C	20 / 35									
	Heating	°C	-21 / 20									
	DHW	°C	-21 / 35									
Temperature range of water outlet	Cooling	°C	7 / 25									
	Heating	°C	20 / 60									
	DHW	°C	30 / 55 (-21)									
Sound power	dB(A)	40.5	41.0	41.0	41.0	42.0	42.0	42.0	43.0	43.0	43.5	
POWER SUPPLY												
Electric backup heater (as standard)	kW	3	3	3+3	3+3	3X2	3+3	3X2	3+3	3X2	3X2	
Power supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	400/3/50	230/1/50	400/3/50	230/1/50	400/3/50	400/3/50	
Fuse rating	A	25	32	50	50	32	63	32	63	32	32	
INSTALLATION & OTHERS												
Air flow	m³/h	2 200	2 200	3 750	3 750	3 750	4 400	4 400	5 950	5 950	7 500	
Refrigerant	Type/GWP	R407C/1800										
Dimensions (WxDxH)	Heat pump	mm	704x690x1640	904x690x1640			1344x690x1640			1544x690x1640		1744x690x1640
	Heat pump packaging	mm	1000x850x1720				1700x1000x1840			1900x1000x1840		2100x1000x1840
	Grid + plenum	mm	1200x800x650		1200x1000x650			1500x1000x650		2000x1000x650		
Net weight/ Packing weight	Heat pump	kg	250/265	250/265	280/295	280/295	280/295	380/400	380/400	420/440	420/440	470/490
	Grid + plenum	kg	40/55	40/55	45/60	45/60	45/60	100/120	100/120	125/155	125/155	135/170

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.

PAC HOME/HOME+ ACCESSORIES

PART NUMBER	NAME	PRODUCT	FONCTION
7ACFH0667	DHW tank 300L	PAC HOME	Stainless Domestic Hot Water production tank of 300L
7ACFH0670	Ballon duo 200L PAC HOME	PAC HOME 5 TO 15 kW	Stainless Steel DHW tank 200L and buffer tank 90L.
7ACFH0669	Kit ECS PAC HOME	PAC HOME	Modulating 3-ways valve + DHW temperature sensor.
7ACEL17682	Thermostat filaire bus	PAC HOME / HOME+	Programmable thermostat Carel / reversible.