

PAC HT SPLIT

HEAT PUMP SPLIT HIGH TEMPERATURE

Airwell

Just feel well



COP up to 4.52



+ PRODUCTS

- Very low noise level: 65 dB(A) for outdoor unit, 41 dB(A) for indoor unit.
- Very high performance, COP up to 4.52.
- Aesthetics and aluminium finish.
- Light and compact wall unit (smaller in size than a boiler).
- Large digital display with diagnosis aid.

FEATURES



R407C FLUID



HEATING MODE OPERATIONAL DOWN TO -20°C OUTDOORS



HIGH TEMPERATURE UP TO 65°C



DOMESTIC HOT WATER



HIGH-TEMPERATURE RADIATOR



BOILER REPLACEMENT



BOILER BACK-UP



ULTRA QUIET



WATER PROGRAMMES



COMPRESSOR AND PARTS WARRANTY



PATENTED

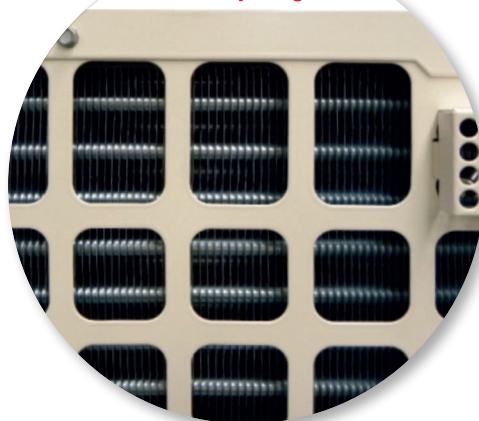
- Ideal for renovations (HT) as well as for new construction (LT).
- Constant operation at +65°C with -20°C outdoors.
- 6 to 18 kW of heating over 3 models.
- A single refrigerant fluid: R407C.
- “Antifreeze” evaporator, up to 4 hours without defrosting.
- Inverter fan motor: energy saving.
- No risk of frost (water system in the building): not drop performance related glycol installation.
- Easy maintenance.
- Possibility of installing heat pumps in cascade.
- Patents Airwell: two-stage compression and oil management system.
- “Plug and play” system: easy for boiler replacement.
- Heating only.



Super quiet

UNIQUE EXCHANGER

Heatsink spacing 4 mm



A heat exchanger with 4-mm heat sink spacing to optimize defrost:

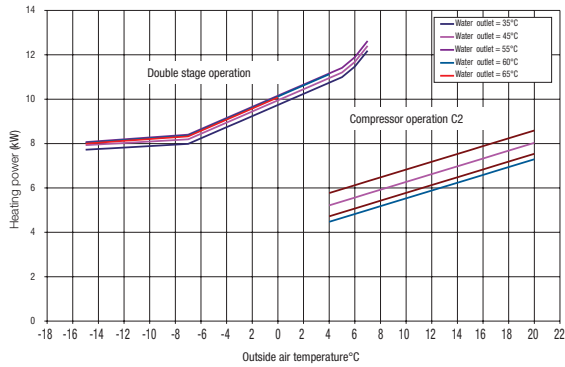
- Up to 4 hours without defrosting retaining 96% of the heating power.
- 2 hours without defrosting in the most adverse conditions.

PAC HT SPLIT

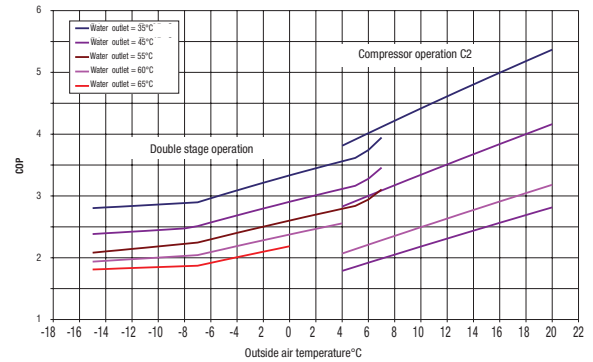
HEAT PUMP SPLIT HIGH TEMPERATURE

PAC HT SPLIT 12-6 PERFORMANCES

HEATING

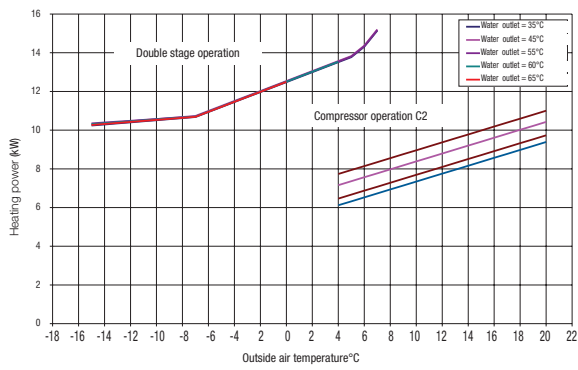


COP

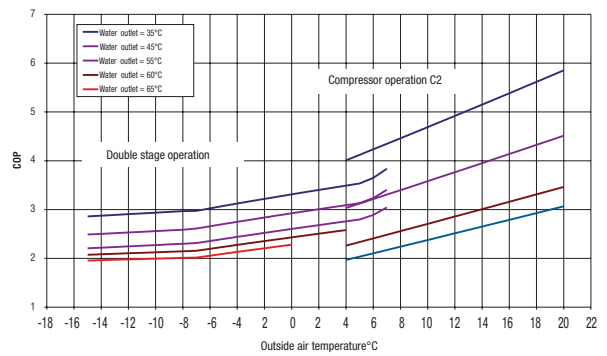


PAC HT SPLIT 14-7 PERFORMANCES

HEATING

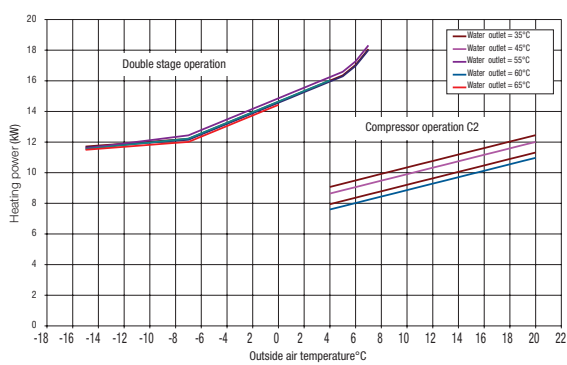


COP

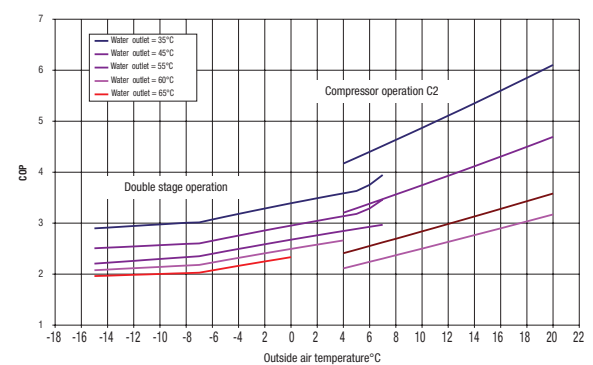


PAC HT SPLIT 18-9 PERFORMANCES

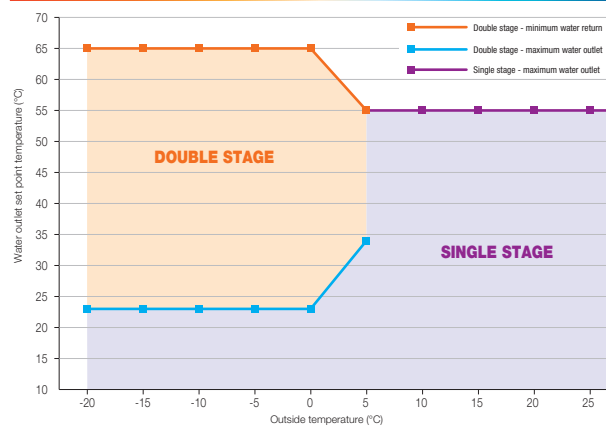
HEATING








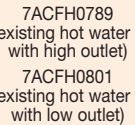




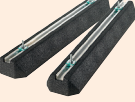
COP



OPERATING LIMITS



MAIN OPTIONS AND ACCESSORIES

Photo / Part number	Accessory	Function
HYDRAULICS		
7ACFH0423	Shut-off valve with pressure tap	Control valve
 7ACFH0666	Settling filter (pot)	Protect the heat pump from sludging and preserve optimum thermal exchange.
7ACFH0278	Water filter	
 7ACFH0663	140-litre buffer tank / mixing tank	It protects the heat pump against short cycles that can reduce the useful life of the compressors and improves operation during defrosting phases.
SYSTEM		
 7ACFH0543	Three-way valve	Three-way valve alone for domestic hot water management or boiler back-up
 7ACFH0662	300 L domestic hot water tank kit	optimised with the operation of the PAC HT - Programmable anti-legionellosis function - Management of the three-way valve / circulator pump couple - 3.1 m ² exchange surface
 7ACFH0789 (for existing hot water tank with high outlet)	Kit for electrical DHW tank - Top outlet	Plate exchanger and circulator pump kit for domestic hot water, top outlet (sensor supplied for installation in a thimble)
 7ACFH0801 (for existing hot water tank with low outlet)	Kit for electrical DHW tank - Bottom outlet	Plate exchanger and circulator pump kit for domestic hot water, bottom outlet (sensor supplied and installed)
 7ACFH0665	On-line electric heater - 2/4/6 kW	Installation inside the building, offers two power stages (2 and 4 kW, or 6 kW in total). Provides extra heating when the heating demand is greater than the capacity of the heat pump.
 7ACFH0491 (alone)	Hydraulic connection kit with three-way valve	For connecting to the boiler, available alone or in a complete kit with the three-way valve. Made up of a set of assembled pipes and valves, a set of connectors with sphericalconical seat.
7ACFH0490 (kit)	Hydraulic connection kit without three-way valve	
INSTALLATION AND REGULATION		
 7ACEL1592	Wired ambient thermostat	- Adjustment of ambient temperature - Daily or weekly programming - Holiday programming, no-frost mode
 7ACEL1593	Remote wireless ambient thermostat unit	- Adjustment of ambient temperature - Daily or weekly programming - Holiday programming, no-frost mode
 7ACTL0472	Shock-absorbing support feet	Raise the heat pump by 10 cm, allow the evacuation of condensates and defrosting water.
7ACEL1535	Three-phase starting intensity limiter	Standard on single-phase

PAC HT SPLIT TECHNICAL DATA

Models		PAC HT SPLIT 12-6	PAC HT SPLIT 14-7	PAC HT SPLIT 18-9	
Part number indoor units		7OG160001	7OG160001	7OG160002	
Part number outdoor units 1~230V-50Hz		7SP063001	7SP063003	-	
Part number outdoor units 3~400V-50Hz		7SP063002	7SP063004	7SP063005	
SCOP/Energy label (average climate)		3.79/A+	3.85/A+	3.87/A++	
OUTDOOR AIR REGIME +7°C / +6°C HUMID BULB					
Water regime 30/35°C	Single compressor heating power	kW	6.30	7.40	8.98
	Input power	kW	1.53	1.74	2.10
	COP		4.12	4.25	4.28
Water regime 45°C	Single compressor heating power	kW	5.74	7.77	9.27
	Input power	kW	1.86	2.35	2.67
	COP		3.09	3.31	3.47
Water regime 55°C	Bi-compressor heating power	kW	5.25	7.08	8.58
	Input power	kW	2.30	2.85	3.27
	COP		2.28	2.48	2.62
OUTDOOR AIR REGIME +2°C / +1°C HUMID BULB					
Water regime 35°C	Bi-compressor heating power	kW	10.31	13.00	15.32
	Input power	kW	2.99	3.82	4.39
	COP		3.45	3.40	3.49
OUTDOOR AIR REGIME -7°C / -8°C HUMID BULB					
Water regime 35°C	Bi-compressor heating power	kW	8.21	10.89	12.46
	Input power	kW	2.78	3.59	4.05
	COP		2.95	3.03	3.08
Water regime 55°C	Bi-compressor heating power	kW	8.40	10.71	12.44
	Input power	kW	3.74	4.63	5.29
	COP		2.25	2.31	2.35
Water regime 65°C	Bi-compressor heating power	kW	8.33	10.69	12.01
	Input power	kW	4.45	5.30	5.92
	COP		1.87	2.02	2.03
OUTDOOR AIR REGIME -15°C					
Water regime 35°C	Bi-compressor heating power	kW	7.79	10.24	11.71
	Input power	kW	2.78	3.58	4.04
	COP		2.80	2.86	2.90
OUTDOOR AIR REGIME -20°C					
Water regime 55°C	Bi-compressor heating power	kW	7.87	10.12	11.06
	Input power	kW	3.95	4.73	5.22
	COP		1.99	2.14	2.12
OTHERS FEATURES			PAC HT SPLIT 12-6	PAC HT SPLIT 14-7	PAC HT SPLIT 18-9
Nominal water flow	l/h	1030	1370	1580	
Available hydraulic pressure (HS)	kPa	55	48	55	
Outdoor temperature operating limits	°C	-20			
Water outlet temperatures (min./max.)	°C	+25/+65			
INDOOR UNIT					
Sound power level	dB(A)	41			
Outdoor unit dimensions (WxHxD)	mm	1456.60 x 1308 x 516			
OUTDOOR UNIT					
Gas refrigerant piping (0 to 25 meters)	inches	5/8"			
Liquid refrigerant piping (0 to 25 meters)	inches	3/8"			
Gas refrigerant piping (0 to 45 meters)	inches	3/4"			
Liquid refrigerant piping (0 to 45 meters)	inches	1/2"			
Sound power level	dB(A)	65			
Indoor unit dimensions (WxHxD)	mm	400 x 720 x 260			
Refrigerant precharge	m	until 20 m			
Max. length	m	45			
REFRIGERANT CONNECTIONS - INDOOR UNIT					
Gas	inches	5/8"			
Liquid	inches	3/8"			
HYDRAULIC CONNECTIONS - INDOOR UNIT					
Water inlet	inches	1" female / Rotating nut			
Water outlet	inches	1" female / Rotating nut			

*The Heat Pumps NF and Eurovent Certifications are based on these data.