

PAC HT MONOBLOC HEAT PUMP HIGH TEMPERATURE

Airwell
Just feel well



COP up to 4.52

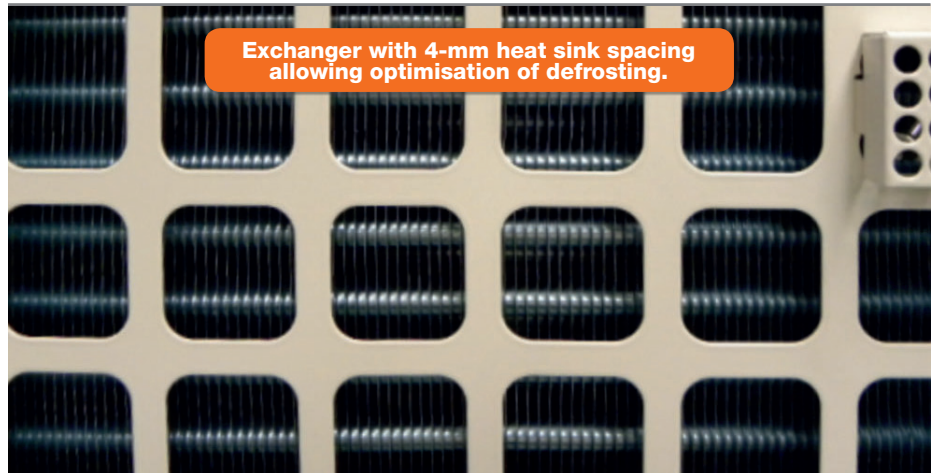
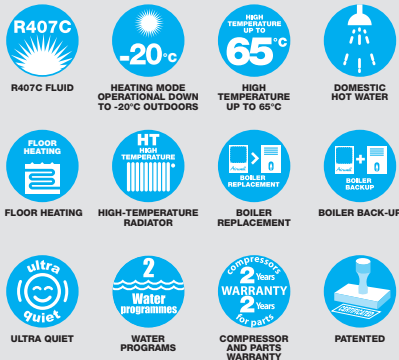


- Ideal for renovations (HT) as well as for new construction (LT).
- Constant operation at +65°C with -20°C outdoors.
- 6 to 18 kW of heating over 3 models.
- A single refrigerant fluid: R407C.
- Possibility of installing heat pumps in cascade.
- Patents Airwell: two-stage compression and oil management system.
- “Plug and play” system: easy for boiler replacement.
- Large digital display with diagnosis aid.
- Heating only.

+ PRODUCTS

- **Very low noise level: 67dB(A).**
- Very high performance, COP up to 4.52.
- “Antifreeze” evaporator, up to 4 hours without defrosting depending on the conditions.
- Inverter fan motor: energy saving.
- Easy maintenance.

FEATURES



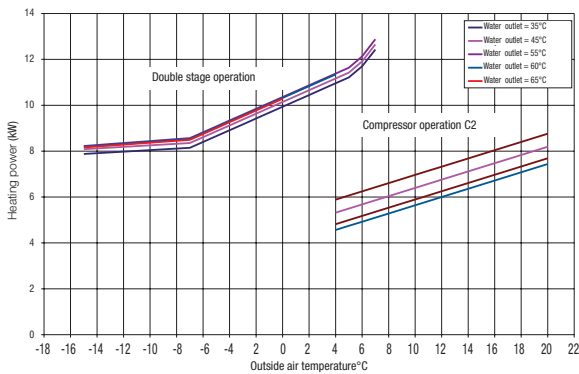
Exchanger with 4-mm heat sink spacing allowing optimisation of defrosting.

PAC HT

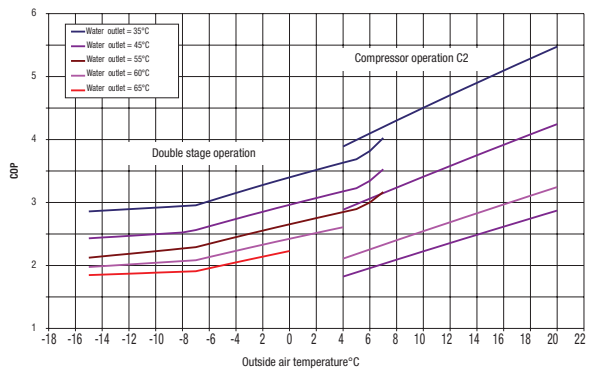
MONOBLOC HEAT PUMP HIGH TEMPERATURE

PAC HT 12-6 PERFORMANCES

HEATING

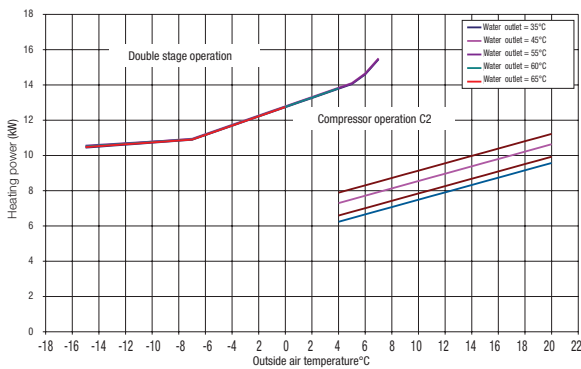


COP

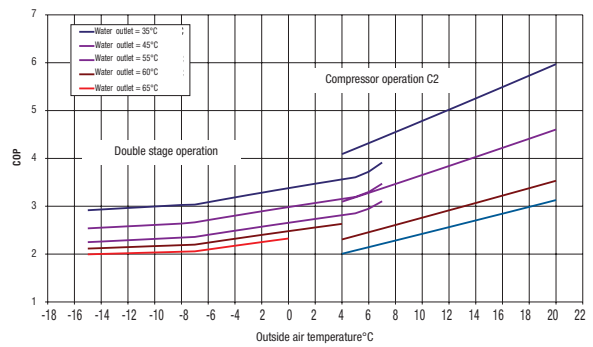


PAC HT 14-7 PERFORMANCES

HEATING

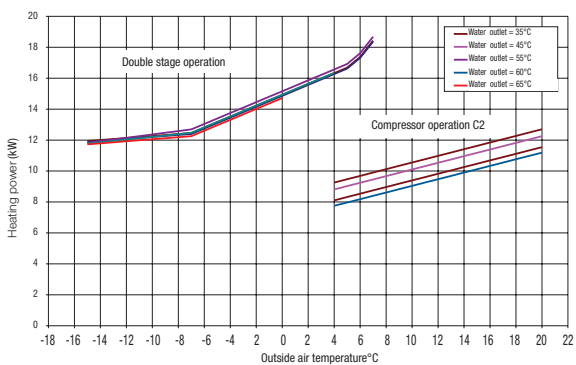


COP

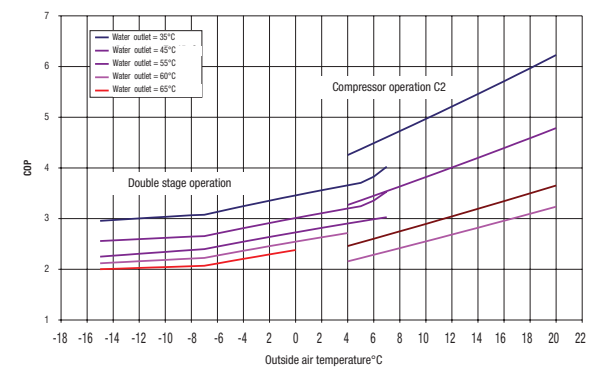


PAC HT 18-9 PERFORMANCES

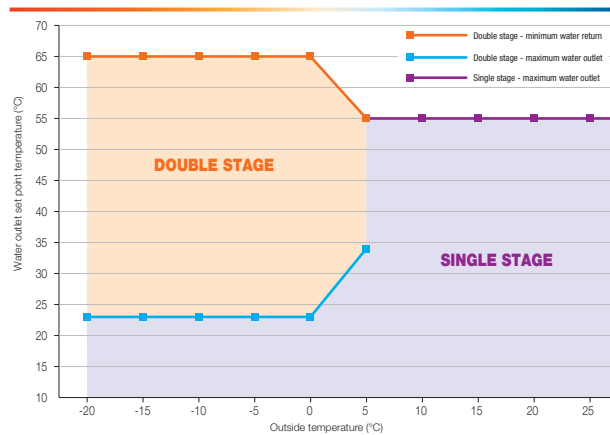
HEATING













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 MONOBLOC TECHNICAL DATA

| Models | | PAC HT 12-6 | PAC HT 14-7 | PAC HT 18-9 | |
|---|---------------------------------|----------------------|-------------|-------------|-------------|
| Part number 1~230V-50Hz | | 7OG013011 | 7OG013013 | - | |
| Part number 3~400V-50Hz | | 7OG013012 | 7OG013014 | 7OG013015 | |
| 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 12-6 | PAC HT 14-7 | PAC HT 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 | | | |
| Sound power level | dB(A) | 67 | | | |
| Outdoor unit dimensions (WxHxD) | mm | 1456.60 x 1308 x 516 | | | |
| PIPE LINE | | | | | |
| Water inlet | inches | 1" female | | | |
| Water outlet | inches | 1" female | | | |

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