Water Heat Exchanger Cooling capacity ¹⁾

Heating capacity ^{2]}

EER^{1]}

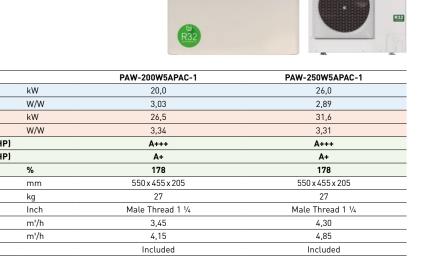
COP^{2]}

Constant 55 °C flow available.

Short-term investment recovery.

PACi Water Heat Exchanger is ideal for small offices and retails. The investment costs can be amortised within a very short period. This solution allows investors and operators to save money.





| Energy efficiency class (Scale A+++ to D) ³⁾ | 35 °C (low temperature HP) | | A+++ | A+++ |
|---|----------------------------|-----------|-------------------|------------------|
| | 55 °C (low temperature HP) | | A+ | A+ |
| η _{s,h} (LOT1) ⁴⁾ | | % | 178 | 178 |
| Dimension | HxWxD | mm | 550 x 455 x 205 | 550 x 455 x 205 |
| Net weight | | kg | 27 | 27 |
| Water pipe connector | | Inch | Male Thread 1 1/4 | Male Thread 1 ¼ |
| Cooling water flow (ΔT=5 K. 35 °C) | | m³/h | 3,45 | 4,30 |
| Heating water flow (∆T=5 K. 35 °C) | | m³/h | 4,15 | 4,85 |
| Flow switch | | | Included | Included |
| Water filter | | | Included | Included |
| Outdoor unit | | | U-200PZH2E8 | U-250PZH2E8 |
| Sound pressure | Cool / Heat (Hi) | dB(A) | 59/61 | 59/63 |
| Dimension | HxWxD | mm | 1500 x 980 x 370 | 1500 x 980 x 370 |
| Net weight | | kg | 117 | 128 |
| Piping diameter | Liquid | Inch (mm) | 3/8(9,52) | 1/2(12,70) |
| | Gas | Inch (mm) | 1 (25,40) | 1 (25,40) |
| Pipe length range | | m | 5~90 | 5~60 |
| Elevation difference (in / out) | | m | 30 | 30 |
| Pre-charged pipe length | | m | 30 | 30 |
| Additional gas amount | | g/m | 60 | 80 |
| Water outlet temperature range | Cool Min ~ Max | °C | +5~+15 | +5~+15 |
| | Heat Min ~ Max | °C | +30~+55 | +30~+55 |
| Operating range | Cool Min ~ Max | °C | -15~+46 | -15~+46 |
| | Heat Min ~ Max | °C | -20~+24 | -20~+24 |

1) Data refers to 7 °C leaving chilled water temperature and 35 °C ambient air temperature, according to EN14511 standard. 2) Data refers to 35 °C leaving warm water temperature and 7 °C ambient air temperature according to EN14511 standard. 3) Following COMMISSION REGULATION (EU) No 811/2013 for low-temperature heat pumps. Scale from A+++ to D. 4) Following COMMISSION REGULATION (EU) No 813/2013 for low-temperature heat pumps. Scale from A+++ to D. 4) Following COMMISSION REGULATION (EU) No 813/2013 for low-temperature heat pumps.

Professional solution

Water heat exchanger is compatible with R32 PACi.

Many air conditioning manufacturers are selling R32 systems and it is becoming the standard refrigerant for split type air conditioning, because R32 has a much lower global warming potential than R410A, and can also provide higher efficiency.

Quick installation with pre-assembled flow switch

The flow switches come pre-assembled with pipe fittings for ease of installation. Operation down to -20 °C with no glycol as the heat exchanger is installed indoors.



