

# PACi with Water Heat Exchanger - R32 refrigerant

Panasonic introduces highly-efficient Water Heat Exchanger for PACi Series. This ground-breaking product gives further possibilities of PACi solutions by adding hydronic options.

**WATER OUTLET TEMPERATURE**  
Cooling: 5 ~ 15 °C  
Heating: 35 ~ 50 °C



## 1 Cost Saving Solution

- A+++ Energy efficiency class (scale from A+++ to D)
- Cost effective water projects thanks to lower cost for PACi compared to VRF

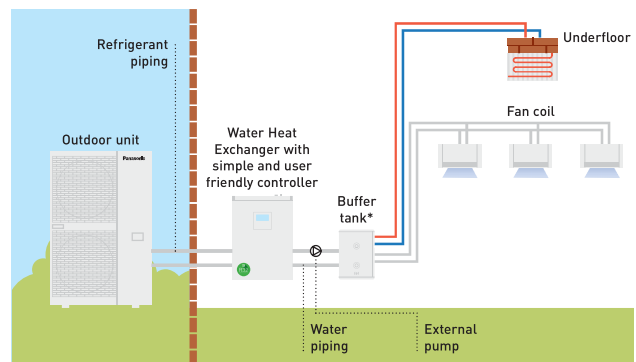
## 2 Space Saving & Flexible Positioning

- 2 installation possibilities (Wall-mounted / Floor-standing)
- Compact, lightweight unit design, only 27kg

## 3 Easy Installation, Maintenance

- Quick mounting process
- Flow switch kit is included as a standard
- Direct access to electrical box

### System example.



\* Minimum buffer tank volume: 10 L/kW. \*\* Diagram is for illustrative purpose only.

### Space saving & Flexible positioning

#### Compact and light unit.

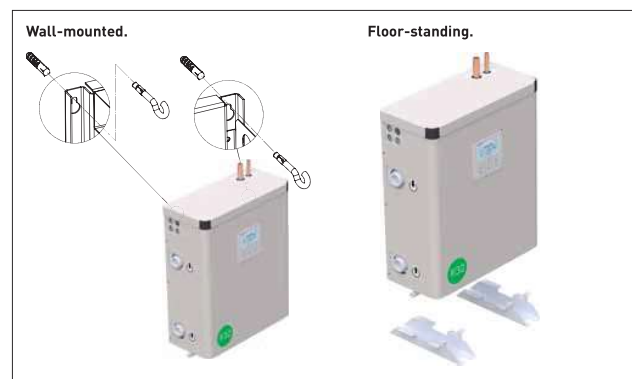
- Only 205 mm depth fits within a limited space
- Lightweight design at only 27kg, makes it easy to maneuver and position
- Maximum total refrigerant piping length: 90 m\*

\* 90 m for PAW-200W5APAC.



### 2 installation options.

- Wall-mounted and Floor-standing installation options are available. Free-up floor space by using the Wall-mounted installation
  - Quick mounting process with its lightweight compact design
- Make fixing holes → Fix 2 screws → Hang the unit → Finish





### PACi with Water Heat Exchanger for chilled and hot water production

			PAW-200W5APAC	PAW-250W5APAC
Cooling capacity <sup>1)</sup>	kW		20,00	25,00
EER <sup>1)</sup>	W/W		3,03	2,89
Heating capacity <sup>2)</sup>	kW		23,00	28,00
COP <sup>2)</sup>	W/W		2,98	2,95
$\eta_{sh}$ (LOT1) <sup>3)</sup>	%		178	178
<b>Energy efficiency class [Scale A+++ to D] <sup>4)</sup></b>			<b>A+++</b>	<b>A+++</b>
Dimension	H x W x D	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 1/4
Cooling water flow ( $\Delta T=5$ K, 35 °C)		m <sup>3</sup> /h	3,45	4,30
Heating water flow ( $\Delta T=5$ K, 35 °C)		m <sup>3</sup> /h	4,15	4,85
Flow switch			Included	Included
Water filter			Included	Included
<b>Outdoor unit</b>			<b>U-200PZH2E8</b>	<b>U-250PZH2E8</b>
Sound pressure	Cool / Heat (Hi)	dB(A)	59 / 61	59 / 63
Dimension	H x W x D	mm	1500 x 980 x 370	1500 x 980 x 370
Net weight		kg	117	128
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	1/2 (12,70)
	Gas pipe	Inch (mm)	1 (25,40)	1 (25,40)
Pipe length range		m	5 ~ 90	5 ~ 60
Elevation difference (in/out)		m	30	30
Pipe length for additional gas		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	+35 ~ +50	+35 ~ +50
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 45 °C leaving warm water temperature and 7 °C ambient air temperature according to EN14511 standard. 3) Following COMMISSION REGULATION (EU) No 813/2013 for low-temperature heat pumps. 4) Following COMMISSION REGULATION (EU) No 811/2013 for low-temperature heat pumps. Scale from A+++ to D.



PACi Water Heat Exchanger (WHE) is ideal solution for small retails and offices. This is the first PACi connected WHE system. The investment costs can be amortised in a short period.

#### Quick installation with pre-assembled flow switch

The flow switches come pre-assembled with pipe fittings for ease of installation.

