

PRO-HT Tank Series for PACi • R32 Refrigerant

New PRO-HT Tank DHW			PAW-VP500LDHW	PAW-VP750LDHW	PAW-VP1000LDHW
Outdoor unit			U-100PZH2E5/8	U-250PZH2E8	U-250PZH2E8
Volume	L		510	726	933
Height	H x W	mm	1660 x 790	1855 x 990	2210 x 990
Connections to the water supply network			3/4" - 1"	1 1/4"	1 1/4"
Net weight / with water	kg		122/632	179/929	191/1121
Nominal electrical power	kW		2,32	7,14	7,14
Reference tapping cycle			XL	2XL	2XL
Energy consumption by chosen cycle A7 / W10-55	kWh		4,50	6,30	6,30
Energy consumption by chosen cycle A15 / W10-55	kWh		3,60	5,12	5,12
COP DHW (A7 / W10-55) EN 16147 ¹⁾			4,23	3,91	3,91
COP DHW (A15 / W10-55) EN 16147 ²⁾			5,29	4,81	4,81
Energy Efficiency Class for energy label (from A+ to F) ³⁾			A+	A+	A+
Energy Efficiency Class for reference (from A+++ to G) ⁴⁾			A++	A+	A+
Standby Input power according to EN16147	W		40,10	77,00	80,00
Sound Pressure on 1m	dB(A)		49	51	51
Quantity of refrigerant	Kg		3,05	5,2	5,2
Average insulation thickness	mm		70	100	100
Heat exchanger connection for inlet / outlet	Inch (mm)		3/8 (9,52) / 5/8 (15,88)	1/2 (12,70) / 3/4 (19,05)	1/2 (12,70) / 3/4 (19,05)
Maximum power consumption without heater / with heater	kWh		3,99 / 6,99	10,00 / 16,00	10,00 / 16,00
Number of electrical heaters x power	W		1 x 3000	1 x 6000	1 x 6000
Voltage / Frequency	V / Hz		230/50	400/50	400/50
Electrical fuse rating	A		16	16	16
Moisture protection			IP24	IP24	IP24
Maximum pipe length	m		30	30	30
Elevation difference (in/out)	m		30/15	30/30	30/30
Operating range - outdoor temperature	°C		-20 ~ +35	-20 ~ +35	-20 ~ +35
Maximum water temperature (heat pump)	°C		65	65	65
Maximum water temperature (electrical heater)	°C		85	85	85
Refrigerant (R32) / CO ₂ Eq.	kg / T		3,05/2,05	5,2/3,51	5,2/3,51

Accessories

PAW-VP-RTC5B-PAC Tank controller for PACi system

1) Heating of sanitary water up to 55°C with inlet air temperature at 7°C, humidity at 89% and inlet water temperature at 10°C. According to EN16147. 2) Heating of sanitary water up to 55°C with inlet air temperature at 15°C, humidity at 74% and inlet water temperature at 10°C. According to EN16147. 3) Following COMMISSION DELEGATED REGULATION (EU) No. 812/2013 (ANNEX III). 4) Following COMMISSION DELEGATED REGULATION (EU) No. 812/2013 (ANNEX II, Table 1).

This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

* When connected as pressurised, safety valve is mandatory.

New PRO-HT Tank heating and cooling			PAW-VP380L
Cooling capacity at 35°C, water outlet 7°C	kW		12,80
Heating capacity	kW		25,00
Heating capacity at +7°C, heating water temperature at 45°C	kW		23,00
COP at +7°C with heating water temperature at 45°C	W/W		3,26
Heating Energy Efficiency class at 35°C (from A+++ to D)			A+++
ηsh (LOT1) ¹⁾	%		193
Dimension / Shipping weight	H x W	mm / kg	1820 x 690 / 99
Water pipe connector			1 1/4"
Heating water flow (ΔT=5 K, 35°C)		m/h	3,9
Outdoor unit			U-200PZH2E8
Sound pressure	dB(A)		57
Dimension / Net weight	H x W x D	mm / kg	1500 x 980 x 370 / 117
Piping connections	Liquid / Gas pipe	Inch (mm)	1/2 (12,07) / 3/4 (19,05)
Refrigerant (R32) / CO ₂ Eq.	kg		4,20 (1,0kg additional gas charge on site)
Pipe length range	m		30
Elevation difference (in/out)	m		30 (OD above) 30 (OD below)
Pipe length for nominal capacity / for additional gas	m		7,5/85
Additional gas amount	g/m		Refer to manual
Operation range - Outdoor ambient	Heat / Cool	°C	-20 ~ +24 / -15 ~ +46
Water outlet	Heat / Cool	°C	25 ~ 45 / 5 ~ 15

1) Seasonal space cooling/heating energy efficiency following COMMISSION REGULATION (EU) 811/2013.

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Performance calculation in agreement with Eurovent. Sound pressure measured at 1m from the outdoor unit and at 1,5m height.

* Flow switch and water filter are not equipped.

Accessories

PAW-VP-RTC5B-PAC Tank controller for PACi system

PAW-IU29/39 Additional heater

New PRO-HT Tank DHW

HIGH PERFORMANCE

HIGH TEMPERATURE

R32 Refrigerant. Our Heat Pumps containing the refrigerant R32 show a drastic reduction in the value of Global Warming Potential (GWP). — Better efficiency & Value for Domestic Hot Water. Energy efficiency class for energy label A+ in a scale from A+ to F. — High performance. Up to A7 COP 4,23. — DHW. With PRO-HT Tank you can also heat your domestic hot water at a very low cost with the optional hot water cylinder. — High temperature. Maximum water outlet temperature up to 65°C. — Operation range. The PRO-HT Tanks work with an outdoor temperature as low as -20°C. — 5 years compressor warranty. We guarantee the outdoor unit compressors in the entire range for five years.

New PRO-HT Tank heating and cooling

OUTPUT WATER

R32 Refrigerant. Our Heat Pumps containing the refrigerant R32 show a drastic reduction in the value of Global Warming Potential (GWP). — Better efficiency & Value for low temperature applications. Energy efficiency class A+++ in a scale from A+++ to D. — High temperature. Maximum water outlet temperature up to 45°C. — Operation range. The PRO-HT Tanks work with an outdoor temperature as low as -20°C. — 5 years compressor warranty. We guarantee the outdoor unit compressors in the entire range for five years.

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Panasonic Marketing Europe GmbH
Panasonic Air Conditioning
Hagenauer Strasse 43, 65203 Wiesbaden, Germany

heating & cooling solutions





NEW PRO-HT TANK SERIES FOR PACi

Enjoy an efficient DHW and heating and cooling tank.

Panasonic commercial PRO-HT Tank solutions meet all needs of your hot water applications providing 65°C water.



NEW PRO-HT TANK DHW

Big volume and high temperature tank for commercial application. High temperature hot water is efficiently produced without any boosters. Panasonic commercial PRO-HT Tank solutions can be adapted to adapt various projects from high-end residential to gyms and hotels.

**MAXIMUM
65°C
WATER OUTLET
TEMPERATURE**

1 High performance and high saving

- Maximum A7 COP 4,23 for 500L tank
- Energy Efficiency Class for energy label: A+ (from A+ to F)
- High temperature hot water without booster
- Save installation time 2 cost by skipping additional accessories

2 Sufficient hot water production

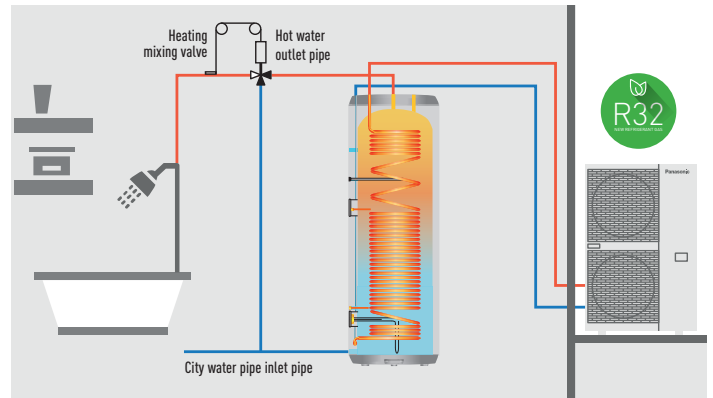
- Maximum water outlet temperature up to 65°C
- Big volume tank from 500L to 1000L capacity
- Heat exchanger design inhibits limescale

3 Trusted quality

- Double tube heat exchanger following drinking-water regulation
- Tank and heat exchanger made with stainless steel
- Internal and external pickling

Solution example DHW tank 1000L + PACi

- Ideal for small hotels and high-end residential
- Hot water temperature up to 65°C
- Up to A7 COP 4,23



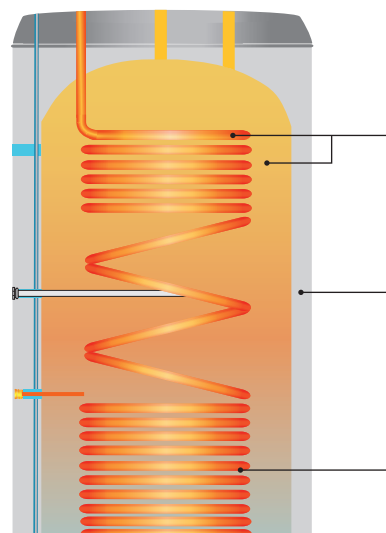
One by one system compatible list with PACi Elite

Model	Tank type	Product compatibility	Hot water outlet temperature without an electric heater
PAW-VP500LDHW	DHW	U-100PZH2E5/8	65°C
PAW-VP750LDHW	DHW	U-250PZH2E8	65°C
PAW-VP1000LDHW	DHW	U-250PZH2E8	65°C



PAW-VP500L/750/1000LDHW

- Water volume 500L, 750 L and 1000 L
- Maximum hot water production 65°C without boosters
- Heating coil 35m (500L), 52m (750L) and 63m (1000L)
- Tank material 3mm
- ABS external case



High Durability.

- Tank & Heat exchanger made with stainless steel
- Internal & external pickling

High Insulation.

- 70mm for 500L
- 100mm for 750/1000

High Safety.

- Double tube exchanger

NEW PRO-HT TANK HEATING AND COOLING

PRO-HT TANK

Waterborne heating and cooling for floor heating, radiators or fan coils. High temperature hot water is efficiently produced without any boosters. Panasonic commercial PRO-HT Tank solutions can be combined with PACi to adapt various projects from high-end residential to small offices.

- 1 High performance and high saving**
- A7 COP 3,26, heating water temperature at 45°C
 - Maximum 45°C water outlet temperature
 - Energy efficiency class : A+++ (from A+++ to D)

- 2 Simple waterborne heating and cooling solution**
- High temperature water without any boosters
 - Installation cost can be saved without additional boosters and buffer tanks

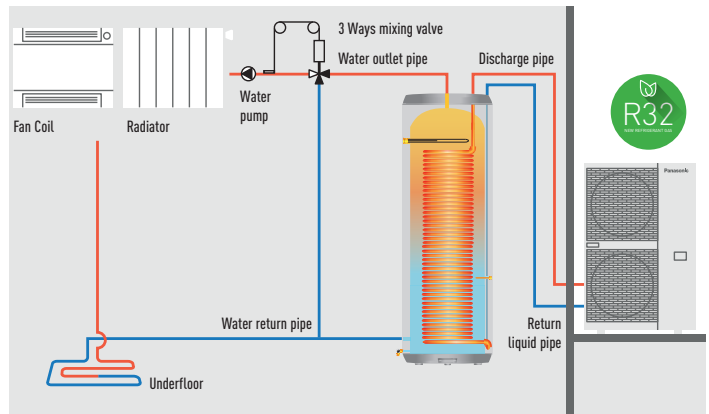
- 3 Trusted quality**
- Tank and heat exchanger made with stainless steel
 - Internal and external pickling

Heating and cooling tank 380L + PACi 20,00kW

- Ideal offer for small offices
- Cost saving solution with simple waterborne heating and cooling
- Hot water up to 45°C

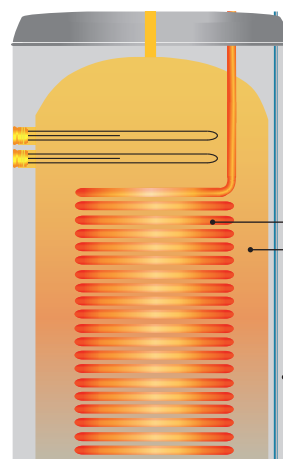
One by one system compatible list with PACi Elite

Model	Tank type	Product compatibility	Water outlet temperature range
PAW-VP380L	Heating and cooling	U-200PZH2E8	5°C - 45°C



PAW-VP380L

- Water volume 380L
- Maximum hot water production 45°C
- Tank and heat exchanger made with stainless steel
- Heating coil 52m 316L
- Internal and external pickling
- Foam insulation 70mm
- Tank material 2mm 316L
- ABS external case



High Durability.

- Tank & Heat exchanger made with stainless steel
- Internal & external pickling

High Insulation.

- 70mm for 380L