



## PRO-HT Tank Series for PACi

Enjoy an efficient DHW / heating and cooling tank.  
Panasonic commercial PRO-HT Tank solutions meet  
all needs of your hot water applications providing  
65 °C water.



# PRO-HT TANK DHW

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

- Energy Efficiency Class for energy label: A+ (from A+ to F)
- High temperature hot water without booster
- Save installation time and cost by skipping additional accessories

## 2 Sufficient hot water production

- Maximum water outlet temperature up to 65 °C
- Big volume tanks with 750L and 1000 L capacity
- Heat exchanger design inhibits limescale

## 3 Tillförlitlig kvalitet

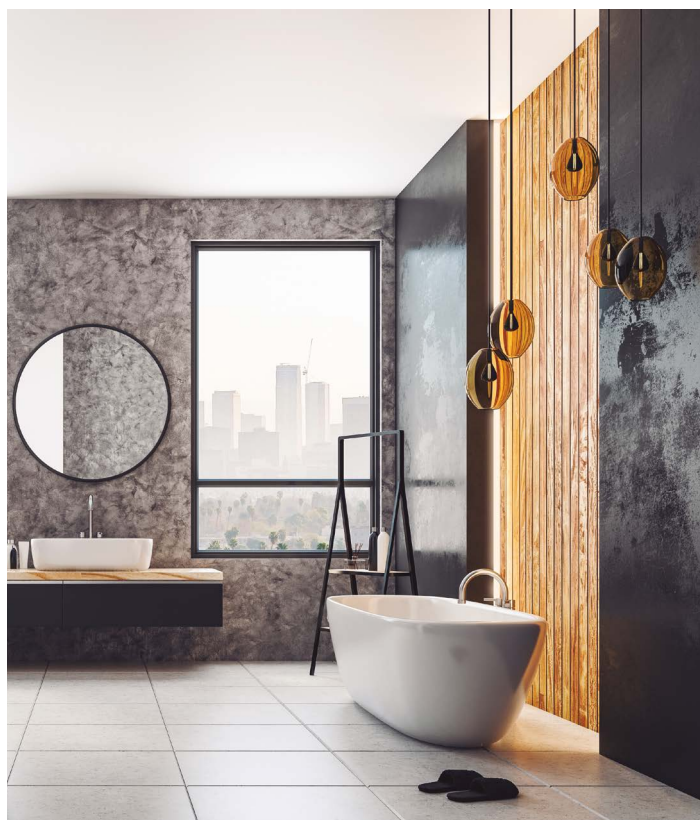
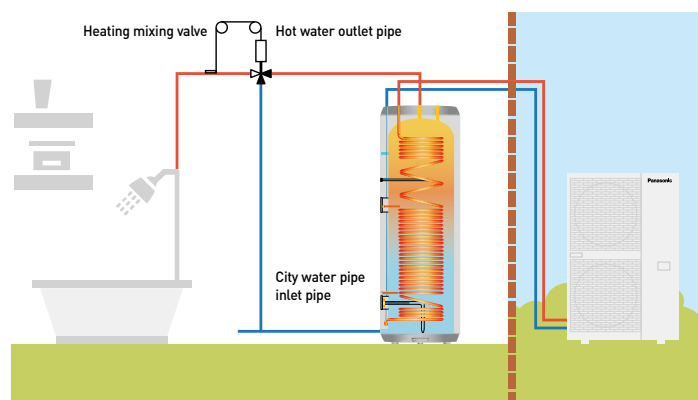
- Double tube heat exchanger following drinking-water regulation
- Tank and heat exchanger made with stainless steel
- Internal and external pickling

### Exempel på lösning tappvarmvattentank 1 000 L + PACi

- Ideal for small hotels and high-end residential
- Hot water temperature up to 65 °C

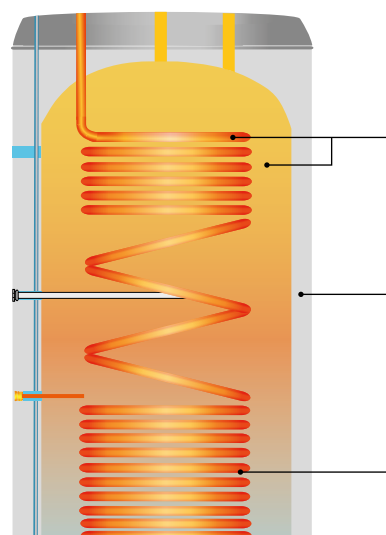
### One by one system compatible list with PACi Elite

Model	Tank type	Product compatibility	Hot water outlet temperature without an electric heater
PAW-VP750LDHW	DHW	U-250PE2E8A	65 °C
PAW-VP1000LDHW	DHW	U-250PE2E8A	65 °C



### PAW-VP750DHW and PAW-VP1000LDHW

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



#### High Durability.

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

#### High Insulation.

- 70mm for 500L
- 100mm for 750/1 000

#### High Safety.

- Double tube exchanger

# PRO-HT TANK HEATING AND COOLING

**PRO-HT TANK**

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 residentials 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

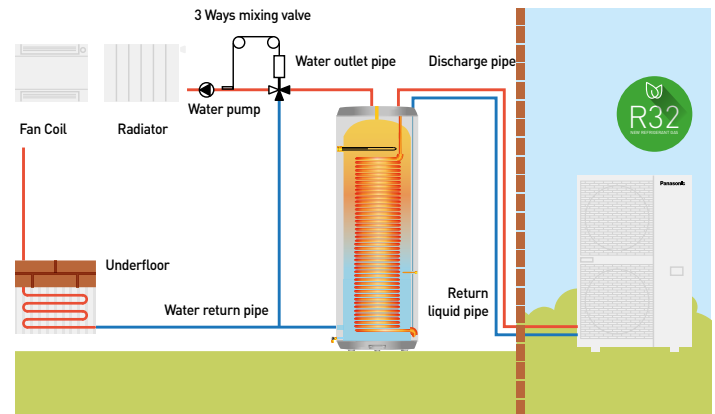
- Tank and heat exchanger made with stainless steel
- Internal and external pickling

### Värme- och kyltank 380 L + PACi 20,00 kW

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

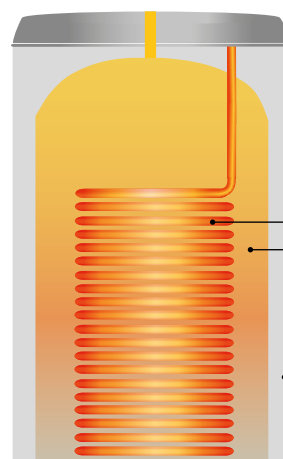
### One by one system compatible list with PACi Elite

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 52 m 316L
- Internal and external pickling
- Foam insulation 70 mm
- Tank material 2 mm 316L
- ABS external case



#### High Durability.

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

#### High Insulation.

- 70mm for 380L



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PRO-HT Tank Series for PACi

PRO-HT Tank			PAW-VP750LDHW	PAW-VP1000LDHW
Outdoor Unit			U-250PE2E8A	U-250PE2E8A
Volume [net]	L		726	933
Height	H x Ø	mm	1855 x 990	2210 x 990
Connections to the water supply network			1 1/4"	1 1/4"
Net weight / with water		kg	179/929	235/1167
Nominal electrical power		W	8270	8270
Reference tapping cycle			2XL	2XL
Energy consumption by chosen cycle A7 / W10-55		kWh	6,0	6,30
Energy consumption by chosen cycle A15 / W10-55		kWh	4,9	5,12
COP DHW [A7 / W10-55] EN 16147 <sup>1)</sup>			4,10	3,89
COP DHW [A15 / W10-55] EN 16147 <sup>2)</sup>			5,00	4,79
Energy Efficiency Class (from A+ to F) <sup>3)</sup>			A+	A+
Standby input power according to EN16147		W	77,00	80,00
Sound pressure on 1m		dB(A)	57	57
Quantity of refrigerant		g	6400	6400
Operating range - air temperature		°C	-20 ~ +35	-20 ~ +35
Stainless steel 316L tank			Yes	Yes
Average insulation thickness		mm	100	100
Heat exchanger connection for inlet / outlet		Inch (mm)	1/2 [12,70] / 3/4 [19,05]	1/2[12,70]/3/4[19,05]
Maximum power consumption without heater		W	10000	10000
Maximum power consumption with heater		W	16000	16000
Number of electrical heaters x power		W	1 x 6000	1 x 6000
Voltage / Frequency		V / Hz	400/50	400/50
Electric protection		A	16	16
Moisture protection			IP 24	IP 24
Heating with heat pump	Min / Max	°C	65	65
Heating with electrical heater	Max	°C	85	85
Refrigerant (R410A) / CO <sub>2</sub> Eq.		kg / T	6,4/ 13,363	6,4/ 13,363

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) Scale from A+ to F following [COMMISSION DELEGATED REGULATION (EU) No. 812/2013].  
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.

PRO-HT Tank			PAW-VP380L
Cooling capacity at 35 °C, water outlet 7 °C	kW		12,80
Heating capacity / at +7 °C, heating water temperature at 45 °C	kW		25,00 / 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+++
Dsh (LOT1) <sup>1)</sup>	%		193
Dimension / Shipping weight	H x Ø	mm / kg	1820x 690 / 99
Water pipe connector			1 1/4"
Heating water flow (ΔT=5 K. 35 °C)		m³/h	3,9
Outdoor Unit			U-200PZH2E8
Sound pressure		dB(A)	57
Dimension / Net weight	HxWxD	mm / kg	1500x980x370 / 117
Piping connections	Liquid / Gas pipe	Inch (mm)	1/2 [12,07] / 3/4 [19,05]
Refrigerant (R32) / CO <sub>2</sub> Eq.		kg	4,20 (1,0kg additional gas charge on site)
Pipe length range <sup>2)</sup> / Elevation difference (in/out)		m	30 / 30 (OD above) 30 (OD below)
Pipe length for nominal capacity / for additional gas		m	7,5 / → 7,5
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.  
2) The pipe length range is between indoor and outdoor, but does not include additional length for coil.

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.

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


\* Flow switch and water filter are not equipped.

Accessories


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

PAW-IU29/39 Additional heater


PRO-HT Tank DHW




DHW



DHW




65°C  
OUTPUT WATER  
HIGH TEMPERATURE




-20°C  
OPERATION RANGE

Better efficiency and Value for domestic hot water. Energy efficiency class up to A+ in a scale from A+ to F. — With Aquarea you can also heat your domestic hot water at a very low cost with the optional hot water cylinder. — Aquarea HT ideal for retrofit. From 9 to 12 kW. For a house with traditional high-temperature radiators, the Aquarea HT solution is the most appropriate, can work in output water temperatures of 65 °C even at outdoor temperatures as low as -20 °C. — Operation range. The PRO-HT Tanks work with an outdoor temperature is as low as -20°C.


PRO-HT Tank Heating and Cooling




R32



A+++  
ErP 35°C



45°C  
OUTPUT WATER



-20°C  
OPERATION RANGE

Our heat pumps containing the new refrigerant R32 show a drastic reduction in the value of Global Warming Potential (GWP). An important step to reduce greenhouse gases. R32 is also a component refrigerant, making it easy to recycle. — Better efficiency and Value for low temperature applications. Energy efficiency class up to A+++ in a scale from A+++ to D. — 45 °C Output water. High temperature. Maximum water outlet temperature up to 45°C.— Operation range. The PRO-HT Tanks work with an outdoor temperature is as low as -20°C.



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Heating & Cooling Solutions

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