

## Specifications Triple Solar PVT heat pump 3.5

## **General Description**

The PVT heat pump is designed by Triple Solar specifically for the PVT heat pump panels.

The PVT heat pump is equipped with all the important features to work well in the Northern European climate and operates with a minimum number of required PVT panels.

The state-of -the-art heat pump works on the most climate-friendly natural refrigerant propane. The PVT heat pump can be monitored by the Internet-of-Things (IoT).

The PVT heat pump is lightweight and easy to install.

## Model

# PVT heat pump 3.5

All-electric heating, cooling and domestic hot water (DHW).

## With build-in:

- electric back-up heater
- function for active cooling
- 3-way valve for selection heating or DHW

Optional: monitoring by SIM card



Dimensions		Fittings			
Wide	480 mm				
Depth	540 mm				
Height	830 mm	Brine	top side	copper 22mm	
Weight	60 kg	Heating	bottom side	copper 22mm	
Weight*	30 kg	DHW	bottom side	copper 22mm	
(*without compressor module)					

# Power and efficiency

Electrical connection

D.7	\A/2E	haating	2 F00 W/	COD 4.7	sound nower 41 dD(A)
В7	- VV35	heating	3,500 W	COP 4.7	sound power 41 dB(A)
В0	- W35	heating	3,000 W	COP 4.2	
В0	- W55	DHW	2,600 W	COP 2.9	sound power 43 dB(A)
B-10	- W35	heating	1,900 W	COP 3.5	
		back-up heater	1,500 W		
		total including back-up heater	3,400 W		

230 V AC

## Specifications refrigerant

Refrigerant	propane
GWP value**	3
Maximum condenser temperature	70 °C
Minimal evaporator temperature	-20 °C

All-electric model with build-in active cooling mode

The comparable artificial refrigerant (F-gas) R410A has a GWP of 2088.

#### **Features**

Control of the heat pump is possible by:

Standard indoor sensor / thermostat (on/off or Open Therm)

Optional Outdoor sensor
Optional Open Therm signal
Optional External signal



Monitoring by build-in SIM-card\*\*

The monitoring allows the user, the administrator or the service organization to verify if the heat pump is working properly and whether its performance is satisfactory. (\*\*optional)

#### Hot water tanks

The Triple Solar hot water tanks are made of stainless steel and are maintenance free. Isolation class A.

Dimensions	height	diameter	weight (empty)
	-		
TS tank 120 liter	994 mm	595 mm	27 kg
TS tank 200 liter	1,487 mm	595 mm	41 kg
Ts tank 300 liter	1,804 mm	675 mm	61 kg

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<sup>\*\*</sup>The GWP value stands for Global Warming Potential, measured in the heat the gas holds compared to the same mass of CO2. GWP of 3 is the lowest possible.