

# GO GREEN

with our revolutionary  
Solar water heaters and  
Heat pump water heaters



# WARMTH FOR LIFE

Venus introduces a range of advanced solar and heat pump water heaters designed to provide hot water round the clock at the lowest cost. These water heaters use abundant renewable energy from the sun and atmosphere to heat water and generate large savings compared to traditional methods of heating. Venus solar and heat pump water heaters are the right solution for both domestic and commercial applications.

## ABOUT VENUS

A pioneer in the water heater industry, Venus has been at the top of its business for over 60 years. Being one of India's leading water heater brands, Venus stands for Quality, Reliability and Performance. The company has always aimed at providing quality products that meet National and International safety standards backed by on time after sales service anywhere in the country. This has been instrumental in cementing Venus' position as a market leader. Venus water heaters are designed to withstand twice the pressure compared to ordinary water heaters. The company has also setup a world-class, fully automated plant for providing water heaters with porcelain enameled glass lined tanks using powder enamel technology from Italy.



60 year market leader and a pioneer in the water heater industry

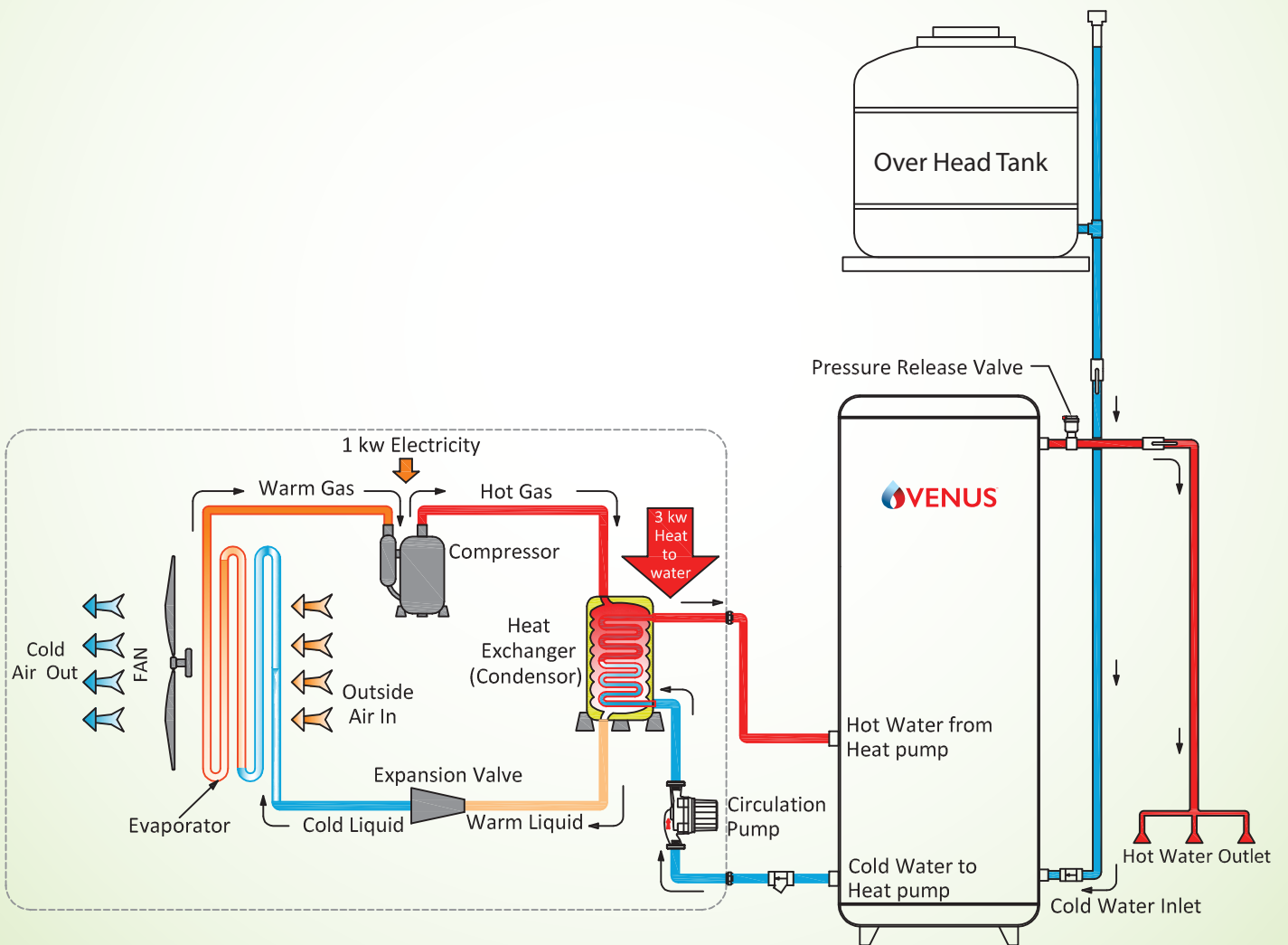


ISO 9001 & 14001 Certification from BVC

# HEAT PUMP WATER HEATERS

## Working Principle

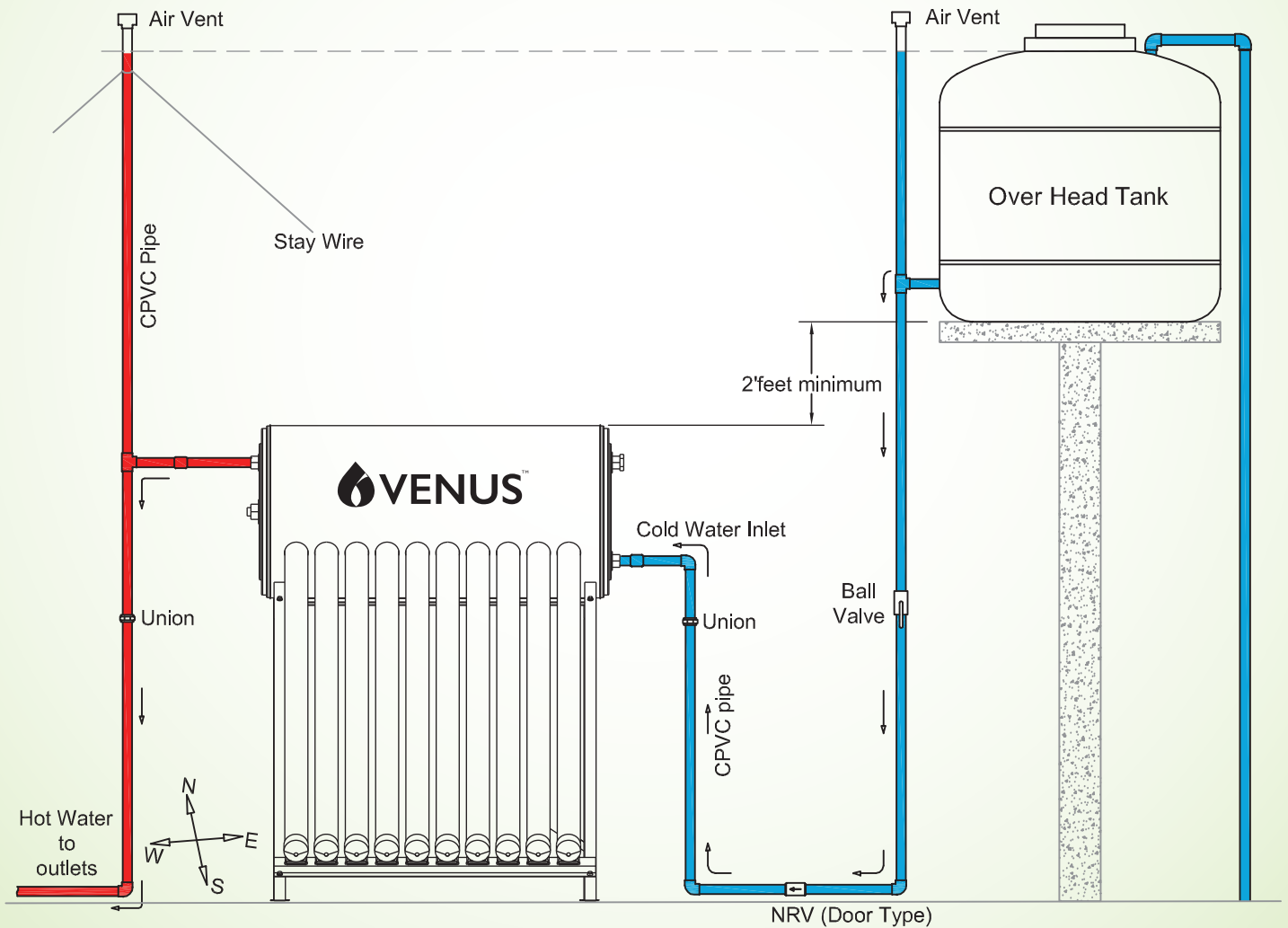
Heat Pump water heaters move heat from the air to water unlike conventional water heaters that generate heat by consumption of electrical or fuel energy. A liquid refrigerant evaporates to a gas inside the evaporator with the help of a fan. It is then compressed inside the compressor to a hot gas. The hot gas passes through a heat exchanger where its heat is transferred to the water flowing from a storage tank. The refrigerant cools down to a liquid and then enters the evaporator again and the entire cycle is then repeated. Thus heat absorbed from the air is transferred to the water and the heating continues till the desired temperature is reached.



# SOLAR WATER HEATERS

## Working Principle

The Vacuum tube collector absorbs the heat from the solar radiation & heats up the water stored in the system through the thermosiphonic effect. (Water in the glass tubes heats, it becomes lighter and rises naturally into the tank above. Meanwhile, cooler water in the tank flows down the tubes to the bottom of the collector, causing circulation through out the system). This process continues steadily for number of hours till the water stored in the tank is heated up. The heated water in this manner is stored overnight in the insulated storage tank and is available for use the next day





# HEAT PUMP Domestic

Get non-stop hot water anywhere in the house while saving as much as 75-80% on your heating costs. A solitary heat pump installed anywhere in the house can supply hot water to all the bathrooms and kitchens.



## FEATURES :



Porcelain Enamel Glass Lined Tank



Compressor



Circulation Pump



Expansion valve



Intelligent Electronic controller



High Energy Efficiency - COP of 4.2



Split system for flexible installation



Water circulation technology



Low operating cost - more savings

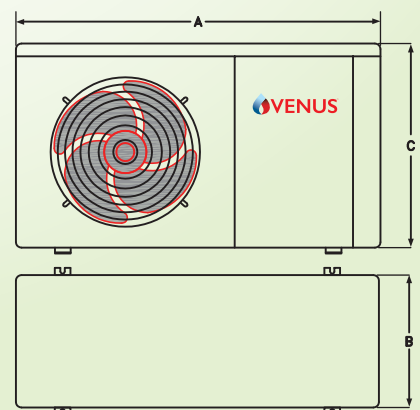
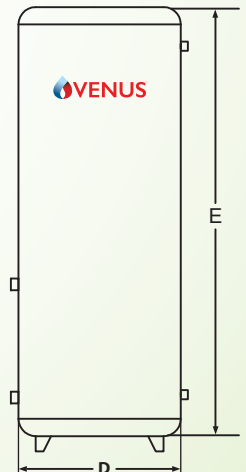


5 YEARS \*  
GUARANTEE ON INNER TANK

## Product Specifications

Description		VDHX3i	VDHX5i	VDHX8i			
Rated Heating capacity	kW	3.5	5.0	7.5			
	BTU/h	11940	17060	25590			
Rated Hot Water Output	Inlet Water Temp.15°C	75	110	160			
	Inlet Water Temp.20°C	85	125	185			
	Inlet Water Temp.25°C	100	145	215			
	Inlet Water Temp.30°C	120	172	260			
Rated Heating power input	kW	0.83	1.19	1.79			
Operating Current	A	3.8	5.4	8.2			
Power supply	V/PH/Hz	220~240V / 1PH / 50~60Hz					
COP	W/W	4.2					
Rated output water temperature	°C	55					
Max outlet water temp	°C	60					
Compressor type		Rotary x 1					
Water side heat exchanger	Type	Tube - Tube					
Dimension (A x B x C)	mm	930 x 360 x 550	930 x 360 x 550	930 x 360 x 550			
Noise level	dB(A)	≤43dB(A)	≤48dB(A)	≤52dB(A)			
Fan discharging	Type	Horizontal					
Ambient temperature	°C	(-)7~43					
Refrigerant	Type	R410A					
Water connection		3/4"					
Cabinet		Powder Coated					
Suggested water tank	Liter	100-300	500	1000			
	Inner Tank	Porcelain Enamel Glass Lined Tank	Epoxy coated / SS				
Net weight	kg	40	45	54			
Gross weight	kg	45	50	60			
Guarantee (Heat Pump)		2 years					
Guarantee (Tank)		5 years		1 year			
Tank dimension		D	E	D	E	D	E
	100 Lts	510	1000	-	-	-	-
	200 Lts	560	1385	-	-	-	-
	300 Lts	650	1520	-	-	-	-
	500 Lts	-	-	710	2000	-	-
1000 Lts	-	-	-	-	1050	2000	

Testing condition - Heating: Ambient temp. (DB/WB): 20°C/15°C, water temp. (input/output): 15°C/55°C.  
\* Conditions apply.





# HEAT PUMP Commercial

Uses heat from the air to heat water while saving as much as 60-80% on energy costs as compared to diesel fired boilers or electric water heaters. Ideal for commercial applications like hotels, hospitals, spas, hostels etc. where usage of hot water is high.

More than  
**70%**  
Energy Savings\*

## FEATURES :



Eco-friendly Refrigerant



Higher requirements of hot water



Low operating cost - more savings



Condenser



Expansion valve



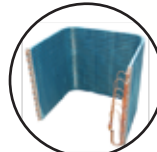
High Energy Efficiency - COP of 4.2



Compressor - heart of the heat pump



Intelligent Electronic controller



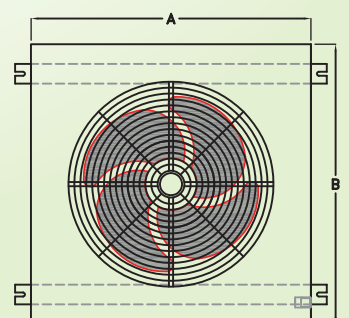
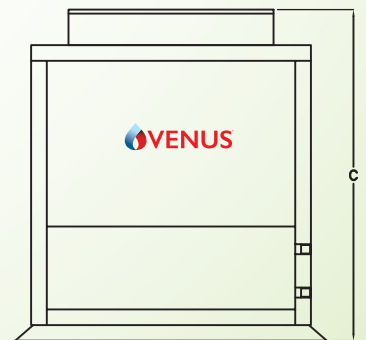
Evaporator



Circulation Pump

## Product Specifications

Model			VCHX10i	VCH 20i
Heating Capacity		kW	12.0	19.3
		Btu/h	40900	65850
COP			4.2	4.2
Rated Hot Water Output	Inlet Water Temp. 15°C	L/h	260	415
	Inlet Water Temp. 20°C		295	475
	Inlet Water Temp. 25°C		345	555
	Inlet Water Temp. 30°C		415	665
Rated Power input		kW	2.86	4.5
Rated input current		A	13.0	9.0
Power Supply		V/Ph/Hz	220~240V/1PH/50Hz	400~440V/3PH/50Hz
Rated output water temperature		°C	55	
Maximum output water temperature		°C	60	
Ambient Temperature Range		°C	(-10°C~45°C)	
Fan type			Low noise axial fan	
Fan direction			Vertical Discharge	
Heat exchanger			Tube in Tube	
Noise level		DBA	≤54dB(A)	≤58dB(A)
Compressor			scroll*1	
Cabinet			Powder Coated	
Refrigerant			R410A	R407C
Product size (A x B x C)		mm	715 x 715 x 830	860 x 840 x 1022
Net weight		Kg	100	140
Gross weight		Kg	115	160
Pipeline dia			1inch	
Hot Water Storage Tank			Available in 500 L, 1000 L, 1500 L, 2000 L and above (Pressure & Non-pressure models)	
Guarantee			1 year	



\*Higher capacity models - 35 kW, 45 kW, etc. available on demand

\* Testing condition - Heating: Ambient temp. (DB/WB): 20°C/15°C, water temp. (input/output): 15°C/55°C.



# HEAT PUMP High Temperature

Regular Heat Pumps can heat water upto 55°C. High Temperature Heat Pumps can heat water upto 80°C. This temperature is especially useful for industrial applications and food processing industries.

## FEATURES :



Higher requirements of hot water



Heating capacity upto 80 degrees C



Low operating cost - more savings



Eco-friendly Refrigerant



Intelligent Electronic controller



Compressor - heart of the heat pump



Expansion valve



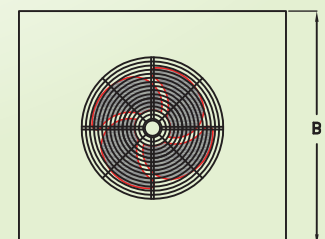
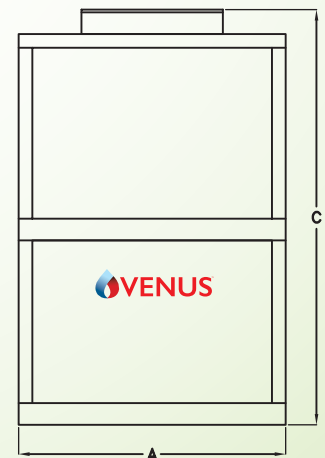
Water circulation technology

## Product Specifications

Description	VHHPX13	VHHPX21
Heating Capacity (kW)	11.0	22.0
Rated Heated water output	145	280
Rated outlet Water Temp(°C)	80	
Max outlet Water Temp(°C)	83	
COP	2.0	
Power supply	380V/3N/5Hz	
Input Power (kW)	5.6	11.0
Input Current (A)	8.10	16.21
Compressor type	Scroll*1	Scroll*2
Throttle type	Electronic expansion valve (EEV)	
Fan direction	Vertical	
Fan No.	1	2
Evaporator coil type	Hydrophilic aluminium	
Heat exchanger type	High efficiency tube in tube heat exchanger	
Heat exchanger No	1	2
Controller type	Wired intelligent electronic controller	
Ambient Temperature (°C)	(-7°C ~ +45°C)	
Refrigerant	R134A	
High pressure protection	Yes	
Automatic defrosting system	Yes	
Overload protection	Yes	
Noise in 1 meter (dB(A))	≤55	≤63
Product Dimension (mm) (L x B x H)	A B C 715 x 715 x 1050	A B C 1405 x 800 x 1050
Net weight (kg)	125	240

Higher capacity models (51kW, 64kW etc.) are also available.

\* Testing condition - Heating: Ambient temp. (DB/WB): 20°C/15°C, water temp. (input/output): 15°C/80°C.





# HEAT PUMP Swimming Pool

Swimming Pool Heat Pumps are high capacity heating systems that can raise the temperature of the swimming pool water from ambient to a set temperature (27 ~ 35°C) and maintain the temperature. These heat pumps find their application in swimming pools in clubs, resorts and bungalows.

## FEATURES :



Eco-friendly Refrigerant



Titanium heat exchanger to withstand corrosion



Dual compressor system for continuous operation



Easy to install



Occupies lesser space



Low operating cost - more savings



Intelligent Electronic controller



Compressor - heart of the heat pump



Expansion valve



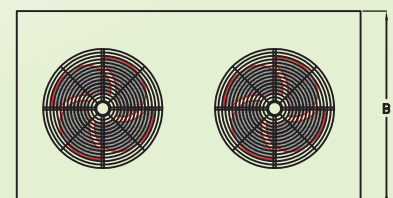
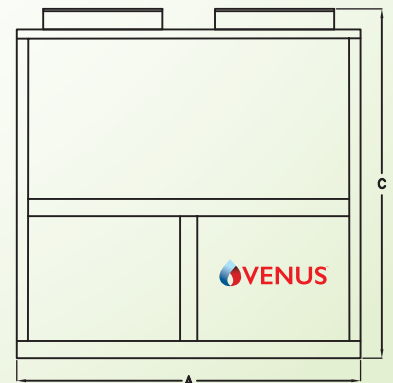
Water circulation technology

## Product Specifications

Description	VSPHPX23	VSPHPX39	VSPHPX60
Heating Capacity (kW)	24.0	39.5	60.0
COP	5.3	5.2	5.2
Power supply	38V/3N/5Hz		
Input Power (kW)	4.62	7.60	11.50
Input Current (A)	7.0	11.55	17.60
Compressor type	Scroll*1	Scroll*2	
Throttle type	Emerson thermal expansion valve / Electronic expansion valve (EEV)		
Fan direction	Vertical		
Fan No.	1	2	2
Evaporator coil type	Hydrophilic aluminium		
Evaporator tube type	Innergroove tube		
Heat exchanger type	Titanium in PVC		
Heat exchanger No.	1	2	2
Controller type	Intelligent touch display		
Ambient Temperature (°C)	(-10°C ~ +45°C)		
Refrigerant	R410a		
Low pressure Protection	Yes		
High pressure protection	Yes		
Automatic defroting system	Yes		
Overload protection	Yes		
Noise in 1 meter (dB(A))	≤58	≤63	≤69
Product Dimension (mm) (L x B x C)	A B C 715 x 715 x 1050	A B C 1405 x 800 x 1050	A B C 1600 x 820 x 1050
Net weight (kg)	130	250	370

Higher capacity models (80kW & 100kW etc) are also available

\* Testing condition - Heating: Ambient temp. (DB/WB): 24°C/19°C, 62.5% RH, water temp. (input/output): 26°C/35°C.







# ALL IN ONE HEAT PUMP

Heat is sourced from ambient air to heat water to 75°C. Get non-stop hot water anywhere in the house while saving as much as 75-80% on your heating costs.

## FEATURES :



**SMART & CONVENIENT TOUCH CONTROL:** The intelligent light display enables ease of control in setting time & temperature, child lock, selection of Eco & Auto mode and more.



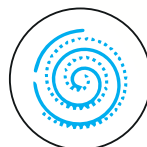
**ALL ROUND SAFETY:** Safe and reliable as there is no mixing of refrigerant and water.



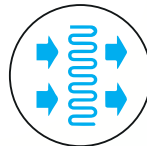
**MICRO CHANNEL HEAT EXCHANGER:** This feature ensures lower energy consumption with its large heat exchange area which enables better heat transfer.



**CORROSION RESISTANCE:** Enamel water tank ensures high corrosion resistance with 7 bar pressure even in hard water.



**HIGH EFFICIENT COMPRESSOR:** Intelligent defrosting design enables faster heat exchange & reliable performance even in cold winters.



**INTELLIGENT CONTROL ELECTRIC EXPANSION VALVE:** Controls pressure & temperature more accurately to ensure fatigue resistance resulting in long life.

## Product Specifications

Model No	VDHA3i
Capacity	200L
Rated Voltage/Hz	220V~/50Hz
Rated Heat Capacity	1780W
Rated Input Power	420W
Rated Power of Electric Heater	2500W
Max Input Power	3200W
Max Input Current	15A
Overall Size	φ525*1955 (mm)
Inlet/Outlet Diameter	3/4"
Guarantee	2 Years
Refrigerant	R134a
Weight	114Kg



\*Testing condition - Heating : Ambient temp. (DB/WB) : 20°C/15°C, water temp. (input/output); 15°C/75°C.

# ALL IN ONE HEAT PUMP (Wi-Fi)

Heat is sourced from ambient air to heat water to 75°C. Get non-stop hot water anywhere in the house while saving as much as 75-80% on your heating costs.



## FEATURES :



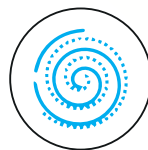
**Wi-Fi & App control:** Smart life is a mobile application from allows users to remotely control their air source heat pump from their cell phone or tablet.



**CORROSION RESISTANCE:** Enamel water tank ensures high corrosion resistance with 7 bar pressure even in hard water.



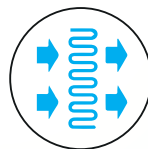
**ALL ROUND SAFETY:** Safe and reliable as there is no mixing of refrigerant and water.



**HIGH EFFICIENT COMPRESSOR:** Intelligent defrosting design enables faster heat exchange & reliable performance even in cold winters.



**MICRO CHANNEL HEAT EXCHANGER:** This feature ensures lower energy consumption with its large heat exchange area which enables better heat transfer.



**INTELLIGENT CONTROL ELECTRIC EXPANSION VALVE:** Controls pressure & temperature more accurately to ensure fatigue resistance resulting in long life.

## Product Specifications

Model No	VDHA3i
Capacity	200L
Rated Voltage/Hz	220V~/50Hz
Rated Heat Capacity	1600W
Rated Input Power	415W
Rated Power of Electric Heater	2500W
Max Input Power	3200W
Max Input Current	14.5A
Overall Size	φ520*1955 (mm)
Inlet/Outlet Diameter	3/4"
Guarantee	2 Years
Refrigerant	R134a
Weight	105Kg



\*Testing condition - Heating : Ambient temp. (DB/WB) : 20°C/15°C, water temp. (input/output); 15°C/75°C.



# SOLAR VTC SS (Non-Pressure Model)

Venus solar water heaters have the most advanced vacuum tube technology that ensures hot water all year round.

## Mercury SS Series

### FEATURES :



Superior corrosion resistant  
SS304 Inner tank



Long life SS410 outer cladding



SS410 stand - sturdy and rust resistant



Inner Tank	Product
5 Years	1 Year



5cm Thick PUF insulation for  
minimum heat loss



Backup electric heating element for  
cold rainy days (optional)



Exclusive Venus Vacuum Tube Technology  
with triple layer coating for maximum  
absorption of solar radiation



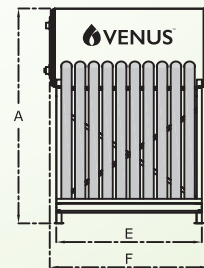
5 Years Guarantee on Inner Tank



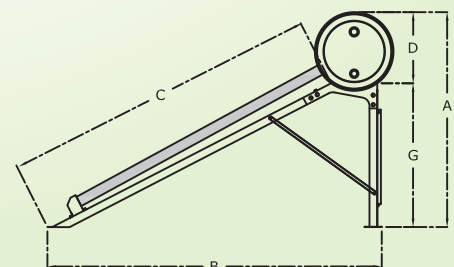
1 Year Guarantee on Product

### Product Specifications

Description	MY100SS	MY150SS	MY200SS				
Capacity	100 Liters per day	150 Liters per day	200 Liters per day				
No. of Vacuum Tubes	10 Nos	15 Nos	20 Nos				
Safety Devices (optional)	Thermostat	Thermostat	Thermostat				
Pipe Connection	3/4"	3/4"	3/4"				
Backup Electric Heating (optional)	2 kw heating element	2 kw heating element	2 kw heating element				
PUF Insulation Thickness	5cm	5cm	5cm				
Stand Angle	27°	27°	27°				
Daily Usage	upto 4 persons	upto 6 persons	upto 8 persons				
Maximum No. of Outlets	2	3	4				
Guarantee on Inner Tank	5 Years	5 Years	5 Years				
Guarantee on Product	1 Year	1 Year	1 Year				
Dimension (in mm)							
Model	A	B	C	D	E	F	G
MY100SS	1210	1850	1740	460	820	960	750
MY150SS	1210	1850	1740	460	1220	1360	750
MY200SS	1210	1850	1740	460	1620	1760	750



FRONT VIEW



SIDE VIEW

\*Refer "Terms & Conditions" in User Manual.

\*\*Specifications subject to change without prior notice.



# SOLAR VTC (Non-Pressure Model)

Venus solar water heaters have the most advanced vacuum tube technology that ensures hot water all year round.

## Mercury M Series

### FEATURES :



Fusion Blue line coating technology



Long life corrosion proof  
Pre coated outer cladding



Powder coated GI stand - sturdy  
and rust resistant



Inner Tank	Product
5 Years	1 Year



5cm Thick PUF insulation  
for minimum heat loss



Backup electric heating element  
for cold rainy days (optional)



Vacuum Tube Technology with triple  
layer coating for maximum  
absorption of solar radiation



5 Years Guarantee on Inner Tank



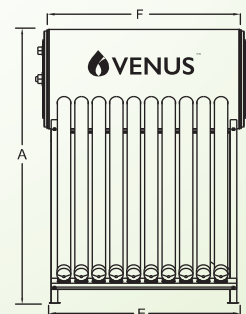
1 Year Guarantee on Product

### Product Specifications

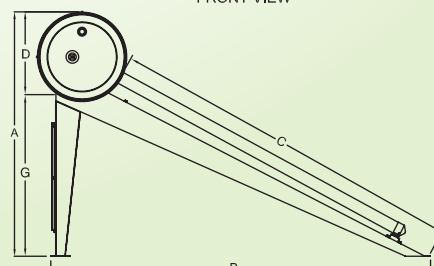
Description	MY100M	MY150M	MY200M
Capacity	100 Liters per day	150 Liters per day	200 Liters per day
No. of Vacuum Tubes	10 Nos	15 Nos	20 Nos
Safety Devices (optional)	Thermostat	Thermostat	Thermostat
Pipe Connection	3/4"	3/4"	3/4"
Backup Electric Heating (optional)	2 kw heating element	2 kw heating element	2 kw heating element
PUF Insulation Thickness	5cm	5cm	5cm
Stand Angle	27°	27°	27°
Daily Usage	upto 4 persons	upto 6 persons	upto 8 persons
Maximum No. of Outlets	2	3	4
Guarantee on Inner Tank	5 Years	5 Years	5 Years
Guarantee on Product	1 Year	1 Year	1 Year

#### Dimension (in mm)

Model	A	B	C	D	E	F	G
MY100M	1270	2040	1900	460	840	960	810
MY150M	1270	2040	1900	460	1240	1370	810
MY200M	1270	2040	1900	460	1640	1770	810



FRONT VIEW



SIDE VIEW

MY100S304, MY150S304 & MY200S304 models are SS304 grade inner tank, available in limited regions. MY100SS, MY150SS & MY200SS models are full stainless steel mirror finish, available in limited regions. \*Refer "Terms & Conditions" in User Manual.

\*\*Specifications subject to change without prior notice.



# SOLAR VTC

Venus Commercial solar water heaters are available with capacity of 300 litres and above. These are ideal to be installed in Hotels, Hospitals, Hostels and any Establishment which has a large requirement of hot water.

**Mercury**  
DI-Series

## FEATURES :



Fusion Blue line coating technology



Vacuum Tube Technology with triple layer coating for maximum absorption of solar radiation



Powder coated MS stand - sturdy and rust resistant / Rectangular section 50 x 25mm



Pre coated Galvanised Aluminium sheet with plastic lining.



5cm Thick PUF insulation for minimum heat loss, (Upto 1500 LPD)



Backup electric heating element for cold / rainy days (optional)



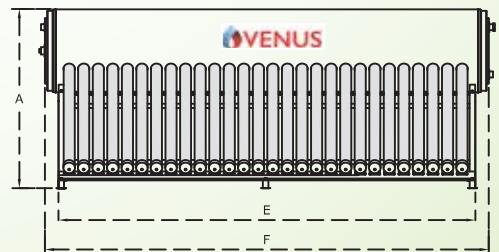
5 Years Guarantee on Inner Tank



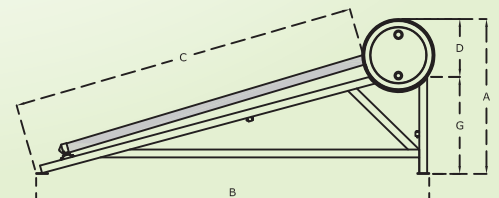
1 Year Guarantee on Product

## Product Specifications\*\*

Description	300LPD	500LPD					
Capacity	300L per day	500L per day					
No. of Vacuum Tubes	28	28					
Tube Length	1800 mm	2100mm					
Safety Devices (Optional)	Thermostat						
Pipe Connection	1"						
Backup Electric Heating (optional)	2kW / 3kW	3kW					
PUF Insulation Thickness	5 cm						
Stand Angle	27°	24°					
Daily Usage (persons)	12	20					
Maximum No. of Outlets	6	8					
Guarantee on Product*	1 Year						
Dimension (in mm)							
Model	A	B	C	D	E	F	G
MY300D	1270	2040	1900	460	2290	2370	810
MY500D	1130	2450	2270	530	2290	2370	600



FRONT VIEW



SIDE VIEW

\*Refer "Terms & Conditions" in User Manual.

\*\*Specifications subject to change without prior notice.

# SOLAR Flat Plate (Pressure Model)

Venus solar water heaters are sensible water heaters that don't use the electricity when it is hot and sunny outside. It harnesses the power of the sun to give you warm water when you need it. Get one today and you will realize that it's the best solar water heater available.

**Halo**



## FEATURES :



**Porcelain Enamel Glass Lined Tank:** Manufactured in a modern, automated plant using European Technology. Protects the tank from rust and corrosion.



**Flat plate collector** with 100% aluminium fins coated in black for maximum absorption of solar radiation and effective heat transfer



**Powder coated MS stand** - sturdy and rust resistant



**Powder coated Outer body :** Long life corrosion proof Pre coated outer cladding



**Pressure pump compatible**  
5 bar pressure rating



**5cm Thick PUF insulation**  
for minimum heat loss



**Backup electric heating element**  
for cold / rainy days (optional)



**7 Years Guarantee on Inner Tank**

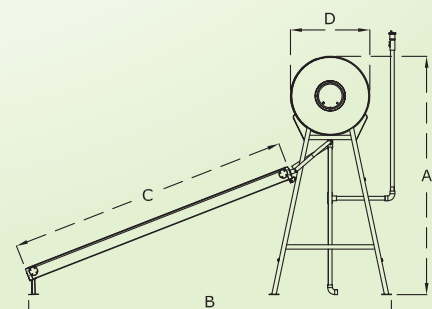
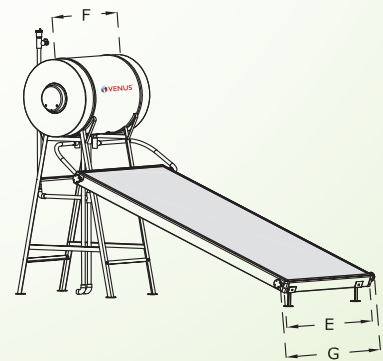
<b>GUARANTEE</b>	<b>Inner Tank</b>	<b>Product</b>
	7 Years	5 Years

## Product Specifications

Description	HA100	HA200					
Capacity	100 LPD	200 LPD					
FP Collector	1 no	2 no					
Safety Devices (Optional)	Thermostat	Thermostat					
Pipe Connection	3/4"	3/4"					
Electric Heating Element (Optional)	2 kw	2 kw					
Rated Working Pressure	5 bar (5 kg/cm <sup>2</sup> )	5 bar (5 kg/cm <sup>2</sup> )					
Daily Usage	4 Persons	8 Persons					
Maximum No. of Outlets	2 nos	4 nos					
Dimensions (in mm)							
Model	A	B	C	D	E	F	G
100 Ltrs	1720	2620	2030	560	1030	780	1150
200 Ltrs	1720	2620	2030	560	2160	1380	2270

Higher Capacity models are also available (HA300, HA500, HA1000 etc.)

\* Refer "Terms & Conditions" in User Manual.



# SOLAR VTC (Commercial)

Venus Commercial solar water heaters are available with capacity of 300 litres and above. These are ideal to be installed in Hotels, Hospitals, Hostels and any Establishment which has a large requirement of hot water.



## Mercury

### FEATURES :



Superior corrosion resistant Epoxy coated Inner tank



5cm Thick PUF insulation for minimum heat loss, (Upto 1500 LPD)



Vacuum Tube Technology with triple layer coating for maximum absorption of solar radiation



Nitrile-rubber is an advanced technology insulation. Prevents heat loss & ensures higher energy efficiency (2000 LPD and above)



Powder coated MS stand - sturdy and rust resistant



Backup electric heating element for cold / rainy days (optional)



Powder coated Outer body : Long life corrosion proof Pre coated outer cladding (Upto 1500 LPD)

### Product Area

Model	MY1000	MY1500	MY2000	MY2500	MY3000
Mercury (VTC) north-south x east-west	11' x 30'	22' x 30'	30' x 33'	36' x 30'	40' x 30'

### Product Specifications

Description	1000LPD	1500LPD	2000LPD	2500LPD	3000LPD
Capacity	1000L per day	1500L per day	2000L per day	2500L per day	3000L per day
No. of Vacuum Tubes	100	150	200	250	300
Tube Length	1800 mm				
No. of Manifold	2	3	4	5	6
Safety Devices (Optional)	Thermostat				
Pipe Connection	Tank main inlet & outlet - 1 1/2" & Solar circulation lines are 1"				
PUF Insulation Thickness	50 mm Injected PUF		25 mm Nitrile Rubber		
Stand Angle	35° - 38°				
Daily Usage (persons)	40	60	80	100	120
Maximum No. of Outlets	14	21	28	35	42
Foot Print Area	31 m <sup>2</sup>	61 m <sup>2</sup>	92 m <sup>2</sup>	101 m <sup>2</sup>	112 m <sup>2</sup>
Guarantee*	1 Year				

\* Refer "Terms & Conditions" in User Manual.

# SOLAR Flat Plate (Commercial)

Venus Commercial solar water heaters are available with capacity of 500 litres and above. These are ideal to be installed in Hotels, Hospitals, Hostels and any Establishment which has a large requirement of hot water.

**Halo**



## FEATURES :



Superior corrosion resistant Epoxy coated Inner tank



Nitrile-rubber is an advanced technology insulation. Prevents heat loss & ensures higher energy efficiency (2000 LPD and above)



Flat plate collector with 100% aluminium fins coated in black for maximum absorption of solar radiation and effective heat transfer



5cm Thick PUF insulation for minimum heat loss, (Upto 1500 LPD)



Powder coated MS stand - sturdy and rust resistant



Backup electric heating element for cold / rainy days (optional)



Powder coated Outer body : Long life corrosion proof Pre coated outer cladding, (Upto 1500 LPD)



Pressure pump compatible with 5 bar pressure rating

## Product Area

Model	HA300	HA500	HA1000	HA1500	HA2000	HA2500	HA3000
Halo (FPC) north-south x east-west	13' x 15'	13' x 18'	20' x 18'	16' x 26'	16' x 33'	20' x 30'	24' x 30'

## Product Specifications

Description	300LPD	500LPD	1000LPD	1500LPD	2000LPD	2500LPD	3000LPD
Capacity	300L per day	500L per day	1000L per day	1500L per day	2000L per day	2500L per day	3000L per day
No. of FP collectors	3	4	8	12	16	20	24
Safety Devices (Optional)	Thermostat						
Pipe Connection	1"	1"	Tank main inlet & outlet - 1 1/2" & Solar circulation lines are 1"				
Rated Working Pressure	5bar (kg/cm <sup>2</sup> )						
Insulation Thickness	50 mm Injected PUF				25 mm Nitrile Rubber		
Stand Angle	28°						
Daily Usage (persons)	12	20	40	60	80	100	120
Maximum No. of Outlets	6	8	14	21	28	35	42
Foot Print Area	20 m <sup>2</sup>	22 m <sup>2</sup>	34 m <sup>2</sup>	39 m <sup>2</sup>	49 m <sup>2</sup>	56 m <sup>2</sup>	74 m <sup>2</sup>
Guarantee*	5 Years			1 Year			

\* Refer "Terms & Conditions" in User Manual.



# Combo SOLAR & HEAT PUMP

Venus combo Solar and Heat Pump are ideal in places like Hotels, Villas, Hostel, Hospitals etc where hot water is needed in large volumes. Solar water heaters may not provide hot water during rainy and cloudy days. To overcome this problem the ideal solution is to connect a Heat Pump water heater to a solar water heater. This combination system ensures an uninterrupted flow of hot water and in the most energy efficient manner. Solar energy is used to heat the water and the Heat pump provides hot water round the clock and throughout the year, irrespective of weather conditions.



## FEATURES :

### HEAT PUMP



Eco-friendly Refrigerant



Higher requirements of hot water



Low operating cost - more savings



Evaporator



Circulation Pump



Compressor - heart of the heat pump



Condensator



Expansion valve

### SOLAR



Superior corrosion resistant Epoxy coated Inner tank



Vacuum Tube Technology with triple layer coating for maximum absorption of solar radiation (Non pressure type)



Flat plate collector with 100% aluminium fins coated in black for maximum absorption of solar radiation and effective heat transfer (Pressure type)



5cm Thick PUF insulation for minimum heat loss (Upto 1500 Lpd)



Long life corrosion proof Pre coated outer cladding



Powder coated MS stand - sturdy and rust resistant



Pressure pump compatible with 5 bar pressure rating (for FPC Models)



Nitrile-rubber is an advanced technology insulation. Prevents heat loss & ensures higher energy efficiency (2000 LPD and above)

## Product Specifications

Solar model	Pressure Rating	Compatible Heat Pump model
HA100	PR	VDHX3i
HA200	PR	VDHX3i
HA300	PR	VDHX3i / VDHX5i
HA500	PR	VDHX5i
HA1000	PR	VDHX8i / VCHX10i
HA1500	PR	VCHX10i
HA2000	PR	VCHX10i / VCH20i
HA2500	PR	VCH20i
HA3000	PR	VCH20i
MY300D	NPR	VDHX3i
MY500D	NPR	VDHX3i / VDHX5i
MY1000	NPR	VDHX8i / VCHX10i
MY1500	NPR	VCHX10i
MY2000	NPR	VCHX10i / VCH20i
MY2500	NPR	VCH20i
MY3000	NPR	VCH20i



# SOLAR ON GRID ROOF TOP SOLUTIONS

"On-Grid Solar Power plant system comes without batteries, the solar panels generates DC and an inverter converts that into usable AC form, and this output is fed directly into the EB lines.

On-grid means your solar power plant system is tied to your local utility's GRID. This is what most residential homes will use because you are covered if your solar system under or over-produces in regard to your varying energy needs. All this means for you is that your utility system acts as your battery space".



## FEATURES :

### BENEFITS OF SOLAR



**Advantages Benefits:** Reduce your electricity bills significantly over time as you generate your own power. Enjoy potential incentives, rebates, and tax benefits available for solar energy adopters in various regions.



**Earn From Your Idle Rooftop Spaces :** Excess power is exported back to the grid and compensated by Electricity Board



**Get Protected Against Tariff Hikes:** Ensure that rising electricity tariff hikes have practically zero impact on your budget



**Reap Accelerated Depreciation Benefit :** Eligible for accelerated depreciation from first year

### WHY VENUS SOLAR ?



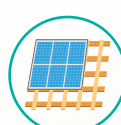
**Inverters:** We have reputed quality inverters for seamless power supply.



**Smart Monitoring:** Stay connected to your solar system's performance through our intuitive monitoring solutions. Access real-time data on energy production, consumption, and savings from the convenience of your smartphone or computer.



**Panels:** We have reputed Solar Panels which is durable even with longer periods of usage. The types of panels include Poly crystalline, Mono PERC Halfcut.



**Mounting Structure:** Provided with Aluminium / Galvanised Iron Structure and corrosion free.



**Environmental Impact:** By switching to VENUS On-Grid Solar Solutions, you actively contribute to reducing greenhouse gas emissions, fostering a healthier planet for current and future generations.



**Reliable Long-lasting System:**  
Product Guarantee 5 years,  
Panels Guarantee 10 years,  
Performance Guarantee 25 years

## Product Specifications

Description	PVG1K	PVG2K	PVG3K	PVG4K	PVG5K3	PVG6K3	PVG10K3	PVG12K3	PVG15K3
Solar PV Polycrystalline Panels 335Wp	3 Nos.	6 Nos.	9 Nos.	12 Nos.	15 Nos.	18 Nos.	30 Nos.	36 Nos.	45 Nos.
Inverter Capacity	1kW 1 Phase	2kW 1 Phase	3kW 1 Phase	4kW 3 Phase	5kW 3 Phase	6kW 3 Phase	10kW 3 Phase	12kW 3 Phase	15kW 3 Phase
Annual Generation of Power plant in kWhr Units	1500 Units	3000 Units	4500 Units	6000 Units	7500 Units	9000 Units	15000 Units	18000 Units	22500 Units
Annual Savings in Rupees	Rs.12,000	Rs.24,000	Rs.36,000	Rs.48,000	Rs.60,000	Rs.72,000	Rs.1,20,000	Rs.1,44,000	Rs.1,80,000
Module Mounting Standard Structures	Aluminium / GI (Galvanized Iron)								
Array Junction Box Protection	IP 65 (Out Door) / IP 21 (In Door)								
DCDB/ACDB Protections	Circuit Breakers, Fuses, Surge Protection Device								


\*Net Meter and any special requirements in the customer scope.


# A SERVICE THAT'S FULL OF WARMTH

Venus designs its products to meet demanding national and international standards. You can be sure that this drive for quality is matched by the customer satisfaction record that our after sales service strives for. "Service within 24 hours" is the promise of our committed service personnel. With more than 300+ service centers throughout the country, prompt, economical and reliable service will reach you, wherever you are.



Call Customer Care

 08144666999

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