



Characteristics:


- 1) Adopts Tube in Shell heat exchanger and with inbuilt Circulating Pump inside.
- 2) Efficient Rotary compressor; Safe, Reliabes, Stable running & durable.
- 3) Efficient Saginomya four-way valve; It is very efficient in defrosting in low ambient temp
- 4) Electronic Expansion Valve (EEV) ; Making sure the best velocity of flow. that make the system to run in a stable state and reduce trouble
- 5) Tube in tube heat exchanger inside with higher heat exchange efficiency than tube in shell heat exchanger used by others, with higher reliability & longer lifetime.
- 6) Green & Environment-friendly Refrigerant : R410A or R134A
- 7) Full consideration for noise control; Compressor rubber feet specially selected to reduce vibration.
- 8) Unique super energy saving controlling system can save extra 10% energy than other units in market.
- 9) Reliable Design and Strict Quality Control; All products 100% are tested and run at the factory to assure proper operation of all components and safety switches.



Features and Protection :

High pressure protection	When water flow is too small or water temp. too high ,will prevent compressor to be damaged
Low pressure protection	protection When refrigerant leaked , prevent compressor work without pressure.
Anti - freezing protection	Prevent water pipes and water tank freezing
Water pressure protection	Water tank equipped with safty valve(T/P valve) to prevent water tank to be damaged

Timing function	Freely set heat pump start/stopping time.	
Manual switch	Seperated start/stop signal can be connected with solr system(for choice)	
WIFI *	Controller with WIFI function, can monitor/set water tank temp.,start /stop heat pump by mobile .	
Super energy	saving mode Can save extra 10% energy than other heat pump on the market	
TECHNICAL SPECIFICATION		
Model		VDHP 01TR
Heating Capacity	W	3531
	Btu/h	12047
Rated heated water output (*)	L/hr	75
Rated heated water output (**)	L/hr	90
Rated outlet water temp.	°C	55 °C
Max outlet water temp.	°C	60 °C
Rated Input Power	W	880
Rated Input Current	A	4.05
Max Input Power	W	1280
Max. Input Current	A	5.7
Power Supply		220V/1N/50Hz
Compressor	Type	Fully closed Rotary Type
	Make	Panasonic
	Start Mode	Direct Start
	Quantity (Nos)	1
Water Proof Grade		IP X4
Electric Shock Protection Type		Grade I
Heat Exchanger	Type	High efficiency tube in shell heat exchanger
	Quantity (Nos)	1
Evaporter	Fin Type	Hydrophillic Aluminium
	Tube Type	Inner Groove Tube
Refrigerant	Throttle Type	Electronic expansion valve
	Type	R410A
Water Side	Cycle Flow (lpm)	10
	Pipe Size (mm)	Rc3/4(DN20)
Fan	Type	Low noise high efficiency axial type
	Input Power (W)	40
	Speed (rpm)	900
	Direction	Horizontal
	Quantity (Nos)	1
Protections	Under / Over voltage protection, Under /Over current protection, Open phase, Phase reversal, Phase imbalance, Compressor high discharge temperature protection, Compressor high discharge pressure protection, Compressor overload, Anti-Freeze protection.	
Noise DB(A)	dBA	≤55dB(A)

Net Weight	Kg	53
Cabinet	Type	Stainless steel / Powder coated steel
Dimension	LxWXH	1000X365X560
Testing condition : * Heating: Ambient temp. (DB/WB): 20°C/15°C, water temp. (input/output): 15°C/55°C. ** Heating: Ambient temp. (DB/WB): 20°C/15°C, water temp. (input/output): 15°C/55°C. The above data is only for reference: specific data is subject to the product		
 Complete water Heating Solutions	Mechzephyr Engineering Pvt Ltd shed No A 70 , KSSIDC , Bommasandra Industrial Area, Bangalore – 560099 Mobile : 9900095490 Email: deepak@vindsol.in	Domestic water heat pumps Commercial Water Heat Pumps Next Gen Thermodynamics Heat Pumps Swimming pool heat pump