



Mfg. By & Office:  
SUN ZONE SOLAR SYSTEM INDIA PVT.LTD.,  
# Sy no.60/3&4,Muneshwara Industrial  
Layout,Puradapalya Village ,Tavarekere Hobli  
Bangalore-562130  
Phone Number: 9164659666/9845213060  
[www.sunzonesolar.in](http://www.sunzonesolar.in) / [www.orangesolar.co.in](http://www.orangesolar.co.in)

## TECHNICAL SPECIFICATIONS

### Domestic Mono bloc Heat Pump (5.3 KW)

This series heat pump use Tube in Shell heat exchange and circulating pump inside. It is Very easy for installation and maintenance. It is widely applied for domestic hot water and heating.

#### **Features :**

- \* High efficiency tube in shell heat exchanger
- \* R22/R417A/R410A/R134A/R407C Refrigerant
- \* Automatic defrosting
- \* Intelligent control
- \* Easy installation & maintainance
- \* Famous Panasonic / Copeland compressor
- \* Famous Japan Saginomya four-way valve
- \* Famous Japan Saginomya EEV
- \* Circulating pump built in

#### **Specification**

Model		VET-1.3-KW
Heating capacity	kW	5.3
	BTU/h	27306
Rated heated water output	L/h	130
Rated outlet water temp.	°C	55
Max outlet water temp.	°C	60
Power		220V/1N/50Hz
Rated input power	kW	1.3
Rated input current	A	7.0
Compressor type		Rotary*1
Compressor brand		Hitachi
Throttle type		EEV
Fan type		Low noise high efficiency axial type
Fan direction		Horizontal

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Fan No.		1
Fan input power	W	28
Fan speed	RPM	850
Evaporator fin type		Hydrophilic aluminum
Evaporator tube type		Innergroove tube
Heat exchanger type		High efficiency tube in shell heat exchanger
Heat exchanger No.		1
Controller type		Intelligent & LCD
Ambient temperature		(-10°C~+45°C)
Refrigerant type		R22/R417A/R410A/R134A/R407C
Low pressure protection		Yes
High pressure protection		Yes
Automatic defrosting system		Yes
Overload protection		Yes
Noise in 1 meter	dB(A)	≤54dB(A)
Water pipe size	mm	Rc3/4(DN20)
Head of water outlet	m	1.2
Cycle water flow	L/min	22.2
Cabinet		Stainless steel / powder coated steel / plastic
Unit Size	mm	1000*365*560
Packing Size	mm	1040*390*650
N.W	Kg	60

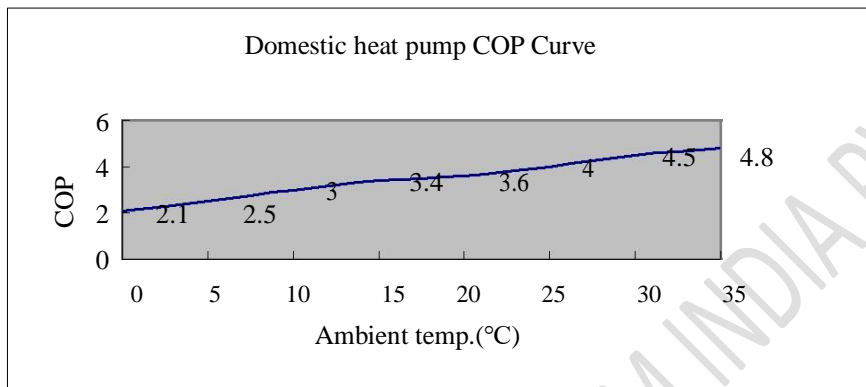
\* Testing condition Heating : Ambient temp. (DB/WB): 20°C/15°C, water temp. (input/output): 15°C/55

Ambient temperature (°C)	COP
0	2.1
5	2.5
10	3
15	3.4
20	3.6
25	4
30	4.5
35	4.8

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Testing condition: Inlet/outlet water temperature=15°C/55°C

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