



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 / www.orangesolar.co.in

TECHNICAL SPECIFICATIONS

Commercial Heat Pump (11.5 KW)

This series heat pump is designed for supply hot water and floor heating of hotel, office building, factory, school, mining, hospital etc.

Features :

- * Famous Copeland compressor
- * Famous Japan Saginomya four-way valve
- * Famous Japan Saginomya EEV
- * High efficiency tube in tube heat exchanger
- * R22/R417A/R410A/R134A/R407C Refrigerant
- * Automatic defrosting
- * Intelligent controller
- * Easy installation & maintenance
- * Durable & stable running

Specification

Model		VET-2.7-HP
Heating Capacity	kW	11.4
	Btu/h	38912
Rated heated water output	L/h	300
Rated outlet water temp.	°C	55
Max outlet water temp.	°C	60
Power		380V/3N/50Hz
Rated input power	kW	2.7
Rated input current	A	5.4

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Compressor type		Scroll*1
Compressor brand		Copeland
Throttle type		Electronic expansion valve (EEV)
Fan type		Low noise high efficiency axial type
Fan direction		Vertical
Fan No.		1
Fan Input power	W	90
Fan Speed	RPM	850
Evaporator fin type		Hydrophilic aluminum
Evaporator tube type		Inner groove tube
Heat exchanger type		High efficiency tube in tube/tub in shell heat exchanger
Heat exchanger No.		1
Controller type		Intelligent & LCD
Ambient Temperature	°C	(-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)	55
Water pipe size	mm	Rc1(DN25)
Water flow volume	m ³ / h	2.5
Cabinet		Stainless steel / powder coated steel

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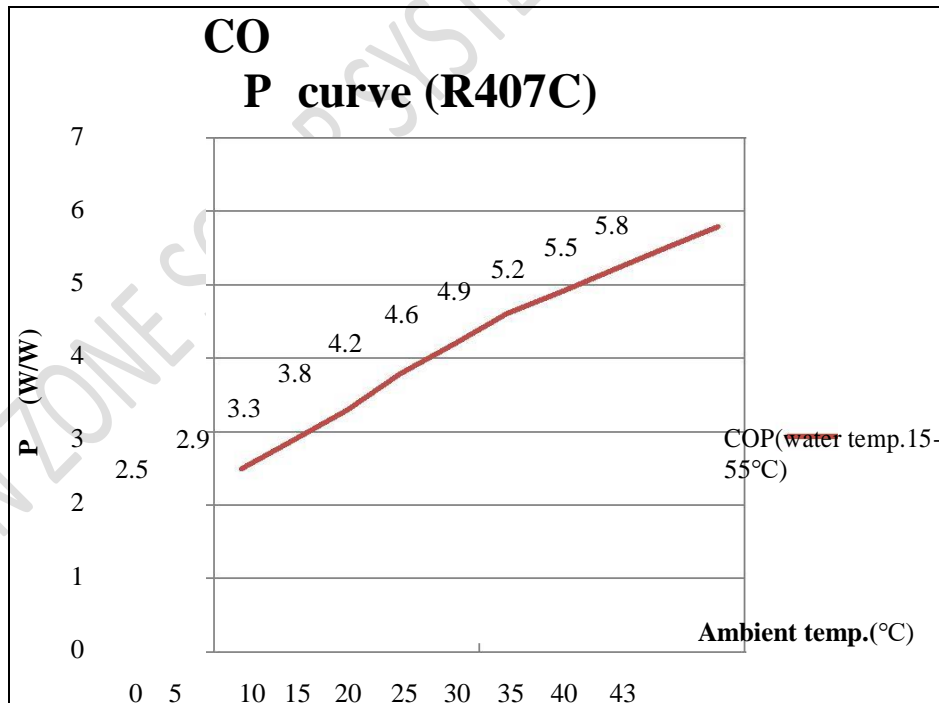
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Unit Size	mm	710*810*840
Packing Size	mm	840*410*1010
N. W	kg	105

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

Commercial heat pump COP at different ambient temperature

Ambient temp.(°C)	0	5	10	15	20	25	30	35	40	43
COP(water temp.15-55°C)	2.5	2.9	3.3	3.8	4.2	4.6	4.9	5.2	5.5	5.8



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