



## Vortex ProPlus

### Australia's Most Efficient Heat Pump



**20% Quieter**

TurboSilence Technology



**COP OF 20**

20x Energy Saving



**20% Faster**

Turbo Inverter Compressor



# Embrace 20x Energy Efficiency, 20% Faster Heating, and 20% Noise Reduction

VProPlus features the all-new 3D Titanium heat exchanger, Mitsubishi twin-rotary compressor, and TurboSilence inverter control system.

The new 3D Titanium heat exchanger has 30% more heat transfer area and 30% improved efficiency.

The Mitsubishi twin-rotary compressor minimises vibration and achieves 20% noise reduction and allows a turbo heating capacity of 120% in one touch.

These energy savings enable achieving a Coefficient of Performance (COP) of up to **20** and deliver **32 kW** of heating with single-phase and **40 kW** with three-phase power, setting new record highs in Australia.

**Turbo Mode** boosted 120% capacity for faster initial heat up and recovery from overnight temperature drop

**Smart Mode** 20~100% heating capacity with intelligent maintenance of pool temperature

**Silence Mode** 20~60% heating capacity with low-speed and low-noise operation



Patented Aluminium Alloy Casing



3D Titanium Heat Exchanger



Built-In Timer and WiFi Controller

Model	11	14	18	21	26	32	40T
Advised pool volume (m <sup>3</sup> )	25 ~ 40	30 ~ 50	40 ~ 65	45 ~ 75	55 ~ 90	65 ~ 105	75 ~ 120
Performance Condition: Air 26°C, Water 26°C, Humidity 80%							
Heating capacity (kW) in Turbo mode	11.0	13.5	18.0	21.5	26.0	31.5	40.0
Heating capacity (kW) in Smart mode	8.5	11.5	15.0	17.6	22.0	27.0	35.0
COP	20 ~ 7.3	19.6 ~ 7.5	19.2 ~ 7.1	20.5 ~ 7.2	20.3 ~ 7.2	19.6 ~ 7.4	19.8 ~ 7.2
COP at 50% capacity	14.7	14.9	14.6	15.0	15.0	14.8	14.7
COP at 20% capacity	20.0	19.6	19.2	20.5	20.3	19.6	19.8
Performance Condition: Air 15°C, Water 26°C, Humidity 70%							
Heating capacity (kW) in Turbo mode	7.3	9.0	12.0	14.5	18.0	22.0	28.5
Heating capacity (kW) in Smart mode	6.1	7.3	10.0	12.0	14.8	18.0	24.0
COP	8.5 ~ 5.5	7.9 ~ 5.2	8.0 ~ 5.0	8.8 ~ 5.2	9.3 ~ 5.3	8.1 ~ 5.3	8.0 ~ 4.9
COP at 50% capacity	7.3	7.2	7.2	7.4	7.8	7.4	7.4
COP at 20% capacity	8.5	7.9	8.0	8.8	9.3	8.1	8.0
Performance Condition: Air 7°C, Water 26°C, Humidity 90%							
Heating capacity (kW) in Turbo mode	6.5	7.2	10.3	11.6	15.2	17.5	22.3
COP	7.0 ~ 4.8	6.9 ~ 4.5	6.9 ~ 4.3	7.2 ~ 4.4	7.1 ~ 4.6	7.1 ~ 4.6	7.0 ~ 4.3
Performance Condition: Air 35°C, Water 28°C, Humidity 80%							
Cooling capacity (kW)	5.0	6.3	10.0	11.3	13.0	15.0	19.5
Sound pressure at 1m dB(A)	37.7 ~ 44.8	37.8 ~ 45.9	41.5 ~ 47.3	41.9 ~ 49.5	39.7 ~ 49.8	42.1 ~ 50.3	41.5 ~ 50.5
Sound pressure of 50% capacity at 1m dB(A)	38.8	40.3	42.5	43.3	43.1	45.2	42.5
Sound pressure at 10m dB(A)	17.7 ~ 24.8	17.8 ~ 25.9	21.5 ~ 27.3	21.9 ~ 29.5	19.7 ~ 29.8	22.1 ~ 30.3	21.5 ~ 30.5
Compressor	Twin-Rotary Mitsubishi						
Heat exchanger	"3D Spiral" Titanium						
Casing	Aluminium-alloy Casing						
Power supply	230V / 1 Ph / 50Hz						
Rated input power at air 15°C (kW)	0.15 ~ 1.38	0.19 ~ 1.7	0.25 ~ 2.45	0.27 ~ 2.74	0.32 ~ 3.31	0.46 ~ 4.1	0.60 ~ 5.7
Rated input current at air 15°C (Amp)	0.65 ~ 6.00	0.83 ~ 7.39	1.09 ~ 10.65	1.17 ~ 11.9	1.39 ~ 14.4	2.01 ~ 17.8	0.87 ~ 8.22
Circuit Breaker (Amp)	10	10	15	15	20	25	15
Advised water flow (L/min)	33 ~ 67	50 ~ 67	67 ~ 100	108 ~ 142	133 ~ 167	167 ~ 200	200 ~ 300
Water pipe in-out size (mm)	48.3						
Net Dimension LxWxH (mm)	910×432×660	945×432×660	1045×432×660	1195×432×760	1072×541×956	1074×539×947	1260×539×947
Net Weight (kg)	63	65	73	82	100	122	147

Warranty



Use our online calculator to find the right size heat pump



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