

Lower Power Bills, Less Pollution, Local Jobs

HOT WATER HEAT PUMP

with 'Made in Morwell' Stainless Steel Storage Tank



Advantages

- > Australian Designed, tank made in Australia, heat pump made in Japan
- > Peak COP of above 6 and average COP of 5 (1 kW electric input=5 kW thermal output)
- > Suitable for all Australian conditions tested from -10 °C to + 43 °C
- > Whisper quiet operation (37dB)
- > Ready to operate with PV
- > Easy split system installation



- > Top-down heating operation with average of 3 hours heat recovery from 20 °C to 60 °C making it one of the most efficient hot water systems available
- > User friendly controller with one-shot boost button, energy efficient predefined modes, and a built-in timer with two zones to meet customized requirements
- > Built in frost and legionella control
- > Condenser unit can be installed as far as 10m from tank
- > Daily average running cost of less than \$1.00 per day for the average Australian household (2 adults/2 children)

Environmentally Friendly Energy Savings

- > Save up to 80% on your annual energy savings
- > Using Ozone friendly refrigerant R744 (CO2)
- > No additional auxiliary required

Warranty

- > 15 years on tank,
- > 6 years on heat pump,
- > 1 year on controller

Heat Pump Specifications

Heat output at 30 C ambient/24 C cold water inlet	kW	4.8
Electric input at 30 C ambient/24 C cold water inlet	kW	0.86
COPat 30 C ambient/24 C cold water inlet	-	5.6
Standby power consumption	kW	0.0035
Power supply	V/Hz	240V/50 Hz (single phase)
Heat pump refrigerant	-	CO2 (R744)
Heat pump hot water delivery temperature	°C	63
Range of operating ambient temperature	°C	-10 to 43
Heat pump unit weight	kg	48
Heat pump location	-	outdoor
Noise level	dB	37
Dimension (Height*Width*Depth)	mm	675*825*300
Rain resistance	-	IP*4
Water port connections (inlet/outlet)	Inch/mm	1/2" BSP, 12.7mm



Tank specification

Tank unit weight (empty)	kg	73
Storage tank volume (delivery)	L	315
PTRV pressure	kPa	700
Thermistor level on tank (% from top of the tank)	%	65
Dimension (Height*Diameter): Earthworker Stainless Steel	m	1.99*0.62



Smart Controller Specifications

Controller power supply voltage and frequency	V/Hz	240/50 (single phase)
Signal from the controller to heat pump	V/Hz	12/50
Controller location	-	Mounted on wall or tank
Heat pump on/off temperature	C	37/59
Daily Self-Legionella control	-	60C at 45% level on tank
Operational mode (selectable by the end user)	-	5 available options *
-Option 1: 24hours- continuous		
-Option 2: 9hours (off-peak mode 1: 10p.m.-7 a.m.)		
-Option 3: 19hours (off-peak mode 2: 10p.m.-5 p.m.)		
-Option 4: 6 hours (10 a.m. - 4 p.m.)		
-Option 5: Timer (two-zones)		



Claim Your Rebates

STC Zones

System Model #	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
REHP-CO2-315SSEW	26	27	32	34	34

