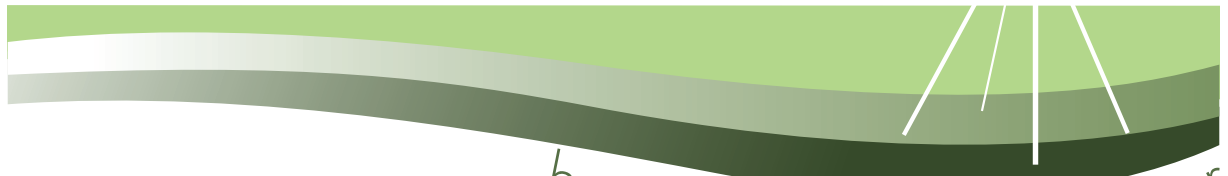


AusGeothermalHVAC[®]



heating, cooling & hot water

Save up to
70%
on home
energy costs



Leading the way in DX Geothermal Heat Pumps

AusGeothermal is an alternative energy company manufacturing Australian Made Geothermal Heating and Cooling products.

Our primary aim is to manufacture, supply and install cost effective and energy saving DX Geothermal heat pumps to suit any application.

AusGeothermal provide our customers with an environmentally friendly heating, cooling and hot water solution. With energy savings of up to 40% – 70% and by using an Australian owned, operated and made company, we can work together to manufacture a unit for you.

- Ducted Heating and Cooling
- Sanitary and Bulk Hot Water
- Hydronic Heating
- Pool Heating

What is Direct Exchange (DX) geothermal heating and cooling and how does it work?

Geothermal is an alternative energy source that takes the heat from the earth, where the temperature is a constant 15 degrees, and uses that energy to heat and cool your home or business.

In the DX Geothermal system, high grade copper tubing is placed in the ground in a closed loop filled with refrigerant. The refrigerant circulates through the tubing, exchanging heat with the soil through the walls of the copper.

In winter the refrigerant is taken from the ground pipes and put under high pressure which causes it to rise from 0 degrees to 80 degrees. This 80 degree refrigerant is then used to heat your radiant or domestic hot water, or sent to your air handler, where it is converted to clean, hot air that is sent throughout the duct work in your home.

In summer the system runs in reverse, sending cold air through your duct work, removing heat and humidity from your home and pumping it into the ground.

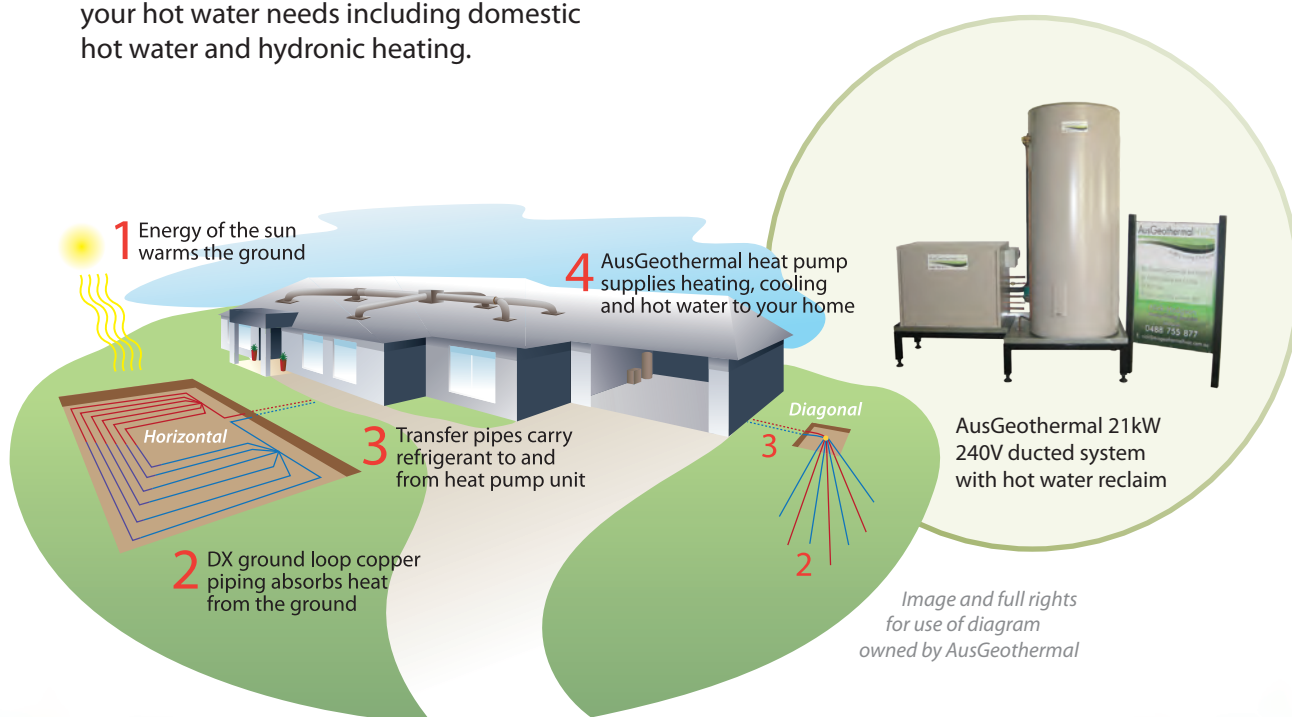
When this system is being used for heating or cooling **hot water can be produced for free.**

ling • Hot Water • Save up to 70% on bills

Features of the DX geothermal unit

AusGeothermal heat pumps are manufactured using the highest quality parts and latest technology, such as high efficiency Copeland scroll compressors, coupled with ozone friendly R410a refrigerant.

- Single phase 240v, 50 Hz units can be supplied in a range of capacities from 5-20kW. Our 18-20kW unit is very popular for clients with no natural gas and only single phase power supply, soft starters are used to reduce current draw on unit start up. Unit can be configured to supply ducted heating and cooling, as well as all your hot water needs including domestic hot water and hydronic heating.
- Three phase 415v; 50 Hz units can be manufactured in any size to suit your heating and cooling needs.
- AusGeothermal units are manufactured in kit form for easy installation. Information and installation courses can be arranged for interested installation companies.
- Warranty on all our units have a 5 year domestic parts warranty.



**5 Year
Warranty**
Domestic Parts
Warranty

AusGeothermal Unit Specification

Outdoor unit model number: AGHPU-20		
Number of ground loops	6 x 30 meter copper ground loops	
Capacity Output (kW)	Heating	21
	Cooling	21
Input power (kW)	Heating	4.88
	Cooling	4.88
COP Rating	Heating	4.3
Power Supply	240V x 1Ph-50Hz	
Supply circuit breaker size	32.0 Amps	
Refrigerant Type	R410a	
Compressor Type	Copeland Scroll	
Outdoor Unit Dimensions	Depth	510mm
	Height	650mm
	Width	815mm

Ducted Indoor Fan Coil Specs: SRA190E		
Indoor Fan Type	3 Speed	
Air Flow (l/s)	High	1150
	Medium	950
	Low	760
Dimensions (mm)	Depth	680
	Height	435
	Width	1420
Weight (kg)	76 kg	
Wall Controller	7 Day Programmable (Zone Control Optional)	

Sanitary Hot Water (Optional): HWHR-20		
Storage Cylinder Capacity	400 lts	
Circulation Pump Type	3 Speed	
Flow Rate (Litres Per Minute)	High	60 lpm
	Medium	42 lpm
	Low	23 lpm
Outlet Temperature (Degree Celsius)	55-60	
Heat Exchanger Type	Brazed Plate Heat Exchanger	



Want to know more?

For further information please contact
Lisa or Nick at AusGeothermal HVAC.
t: 0488 755 877
e: info@ausgeothermalhvac.com.au
www.ausgeothermalhvac.com.au

**5 Year
Warranty**
Domestic Parts
Warranty

AusGeothermal Unit Specification

Outdoor unit model number: AGHPU-14		
Number of ground loops	4 x 30 meter copper ground loops	
Capacity Output (kW)	Heating	17.81
	Cooling	17
Input power (kW)	Heating	3.5
	Cooling	3.1
COP Rating	Heating	5.08
Power Supply	240V x 1Ph-50Hz	
Supply circuit breaker size	25.0 Amps	
Refrigerant Type	R410a	
Compressor Type	Copeland Scroll	
Outdoor Unit Dimensions	Depth	510mm
	Height	650mm
	Width	815mm

Ducted Indoor Fan Coil Specs: SRA140E		
Indoor Fan Type	3 Speed	
Air Flow (l/s)	High	890
	Medium	770
	Low	650
Dimensions (mm)	Depth	615
	Height	412
	Width	1090
Weight (kg)	55 kg	
Wall Controller	7 Day Programmable (Zone Control Optional)	

Sanitary Hot Water (Optional): HWHR-14		
Storage Cylinder Capacity	400 lts	
Circulation Pump Type	3 Speed	
Flow Rate (Litres Per Minute)	High	60 lpm
	Medium	42 lpm
	Low	23 lpm
Outlet Temperature (Degree Celsius)	55-60	
Heat Exchanger Type	Brazed Plate Heat Exchanger	



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