



WATER HEATER G E O T H E R M A L

ecological & economical

Heat more efficiently and heat cleanly, consuming less energy to preserve resources for future generations.

Because this is the only planet we have !

Star geothermal heat pump extract the heat from the ground using a ground loop of buried tubes carrying water with antifreeze. The heat recovered is transferred to the domestic hot water tank through two stainless steel heat exchangers, for perfect hygiene. The refrigerant used does not damage the ozone layer. There is minimal greenhouse effect to prevent global warming, thus helping to preserve the Earth.

Because the air we breathe is more precious than we realize !

The Earth absorbs solar energy and stores it as a free, inexhaustible source of natural energy. Star geothermal heat pump is designed to reduce domestic hot water heating costs by a factor of 4.

Constant hot water

A thermostat sets the water temperature up to 55°C.

A 2.0 kW electric heater can be used to raise the temperature of the water in the tank (to prevent the proliferation of legionella) or for standby.

Reliable

The outside of the unit is blue skai.

The refrigerant circuit of the heat pump is braised using a 45% silver alloy and is varnished to prevent corrosion. This ensures that there won't be any leaks.

Attractive and well-designed

The Star heat pump and 300 liters tank on a base are supplied

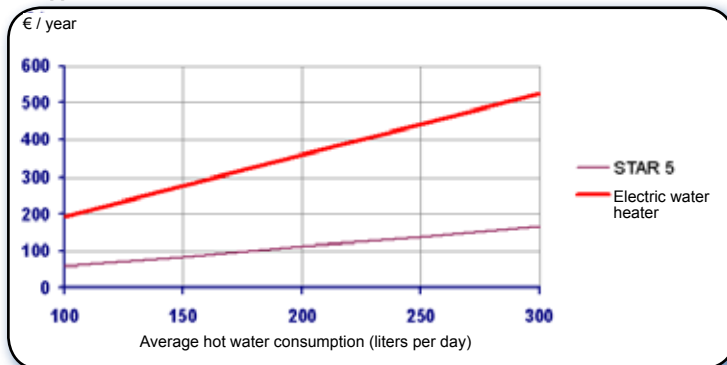
separately to make installation easier.

The heat pump is connected simply to the domestic hot water tank using flexible hoses.

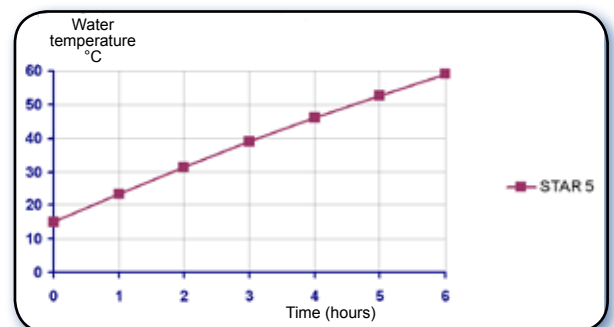
The casing can be easily removed for easy access to all parts of the heat pump.



Typical cost if domestic hot water



Average heating curve



Water heater		Star 5
Domestic hot water tank volume with heat exchanger	liters	300
Diameter x height	mm	660 x 1480
Heater rating	W	2000
Water connection		G 1"
Heat pump		
Dimension ø x h	mm	600 x 600
Refrigerant type R134 a	g	950
Average heating output power	W	4850
Average consumption	W	1150
Average Coefficient of performance COP		4,2
Length of tube for horizontal source	m	300
Depth of bore hole for vertical source	m	60

Installer :

Réf. 35041 - 09/2010

