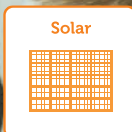


# Creating warmer, healthier, more energy efficient homes



**0800 00 33 55**  
[www.harrisonsenergy.co.nz](http://www.harrisonsenergy.co.nz)

 **harrisons**  
energy solutions

# ABOUT HARRISONS ENERGY SOLUTIONS

Harrisons Energy Solutions is run by the Harrisons family and we have been bringing fantastic deals to Kiwis since 1962. Today we're still a family-run business, New Zealand owned and proud of it!

Hundreds of thousands of Kiwis are living in homes that are unhealthy and are not energy efficient. At Harrisons, we're passionate about improving as many of them as possible with a combination of quality products.

Our energy consultants are experts at providing the perfect solution to improve the quality of your home at the best price possible. More than a great price, when you're dealing with Harrisons you can rest easy that we will back our products with the most comprehensive warranties in the business and we only use the finest tradespeople possible to ensure all installations are of the highest quality. After a long time in business, we know that to be successful, we need to have happy customers and that's what we are all about.

## WHY CHOOSE US?

### 1. No pressure, no hassle

The person you deal with owns the local business. We don't employ pushy sales staff or commission-earning reps to sell our products. We simply focus on providing the best possible solution for your home – whether it involves ventilation, insulation, heating, solar or any combination of our range of services. We'll come to your home at a time that suits and give you all the space and time you need to consider your options. And if you're not happy with any aspect of our service, we'll do our level best to put things right.

### 2. Bringing you a total solution

Some companies only sell ventilation and can't help you with insulation. Others focus on heating, which isn't much use if your home needs to be insulated first. Harrisons Energy Solutions can provide the total package, including our premier solar products. We'll make sure the solution is tailored to your specific circumstances so you can enjoy all the benefits of a healthier energy efficient home.

### 3. We make it as affordable as possible

Our home energy consultants will help you apply for any relevant government or council funding. We will also take care of the paperwork and look for every possible way to save you money. In addition, we can help you with interest-free finance via Gem Visa or Q Card to spread the cost of creating a healthier home.

### 4. Kiwi-Owned and Operated

Harrisons Energy Solutions is a family-owned business with strong roots of over 50 years in New Zealand. We don't have to answer to faceless corporate overlords or the demands of the stock market. It means we can listen closely to our customers and tailor our service to their requirements. And because we are 100% mobile, with no stores or high overheads, we can pass on great deals to our customers.

### 5. Fly Buys

If you collect Fly Buys, we'll boost your balance with an extra helping of points. With 1 point for every \$30 spent, you can be sure you'll be rewarded with plenty of Fly Buys points on your next purchase with Harrisons.

CALL US NOW FOR A FREE HEALTHY HOME ASSESSMENT

**0800 00 33 55**

**Fly Buys**

# OUR PRODUCTS

Our energy experts can bring you great deals and excellent advice on our range of Solar, Ventilation, Insulation, and Heat Pump products.

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## Ventilation



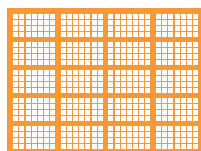
## Insulation



## Heat Pumps



## Solar



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## DID YOU KNOW?

World Health Organisation research shows that if your home's temperature is constantly below 18 degrees Celsius, you are much more at risk of colds and respiratory illness such as bronchitis and asthma.

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# HARRISONS VENTILATION

Most New Zealand homes are poorly ventilated. Poor ventilation results in a damp and unhealthy living environment for families. Reported health statistics are well below acceptable international standards.

## Why ventilate?

An unventilated house is often cold and hard to heat, as well as unpleasantly damp. Mould grows freely and unseen allergens may linger in the air.

In years gone by, people accepted the risks of living in an unhealthy atmosphere by putting up with their old-fashioned, draughty homes. No one needs to live like that anymore.

Even if you have installed modern insulation and a heat pump, you may still be missing out on the benefits of a healthy home. That's why Harrisons recommends the i-vent home ventilation system.



## Damp, cold + expensive

- The average home produces up to 30 litres of moisture every day
- Damp homes are twice as hard to heat than dry homes
- Damp homes are cold due to the moisture temperatures
- Moisture feeds mould spores

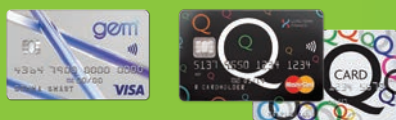
## Unhealthy

- Dust mites require moisture to live
- Bugs and germs stay in an unventilated home for up to 3 days
- NZ has the highest rate of child asthma in the developed world
- The main causes of asthma are dust mites, and mould spores, along with a damp atmosphere



## i-vent, the intelligent home ventilation solution

Our state of the art i-vent system is unobtrusive and highly effective at improving air quality inside your home. Its ventilation fans push out the moisture-laden air responsible for condensation, gently introducing fresh filtered air from your ceiling cavity.



**Buy now, pay later**  
**No interest, no payments for 12 months**

\*Terms and conditions apply.



## INDUSTRY LEADING WARRANTIES

When you invest in a quality i-vent ventilation system from us, you can rest easy in the knowledge that you are covered by the best warranty in the business.

### 7 year installation guarantee

Our consultants will offer a tailored solution perfectly suited to your home. Ventilation needs to be installed by professionals and our installation teams have ventilated thousands of homes. We guarantee their workmanship for 7 years. Conditions apply\*.

### 7 year product warranty

The i-vent ventilation system, on installation, is warranted for 7 years against fault. To validate this warranty the i-vent will require a filter change every 12 months. i-vent genuine parts are required as part of the ongoing warranty. Conditions apply\*.

### Our price promise

Our price promise means you can buy with confidence, knowing you have purchased the best quality product at the lowest price possible. Conditions apply\*.

### Interest free finance

We can put together an interest-free finance package through Gem Visa or Q Card so you can afford to get the job done without waiting. Why shiver through another cold winter when you can get interest-free finance for a full ventilation system right now? Credit criteria and conditions apply.

### Collect Fly Buys points

With 1 point for every \$30 spent, you can be sure you'll be rewarded with plenty of Fly Buys points on your next purchase with Harrisons Energy Solutions.

\*If you can find the exact same quality ventilation system at a lower price, with the same product and install warranties and payment terms, we will gladly beat that price. This is based on standard installations only and does not include installations that require extras. You will need to provide a copy of the competitor price in writing.



# HEALTHY LIVING WITH YOUR I-VENT SYSTEM

The i-vent is an unobtrusive intelligent ventilation system that pushes out the moisture-laden air responsible for the condensation in your home, gently introducing fresh, filtered air.

## COST EFFECTIVE

Your heating costs will drop dramatically saving you valuable dollars.

Plus it's more cost effective to run an i-vent system than to run a 100 watt light bulb.

## WARMER

A dry home, on average, can feel up to 3°C warmer than a damp house.

Just through ventilation alone your house will become warmer and cosier.

## HEALTHIER

Air is replaced on average 2 to 4 times per hour, removing unhealthy bugs and viruses.

Asthma and other respiratory health problems will dramatically reduce through a serious reduction of damp air, mould spores, and dust mites.

Unwanted chemicals produced from appliances, cleaning products and other household pollutants will also be filtered leaving you with a healthy home environment.

## QUALITY COMPONENTS

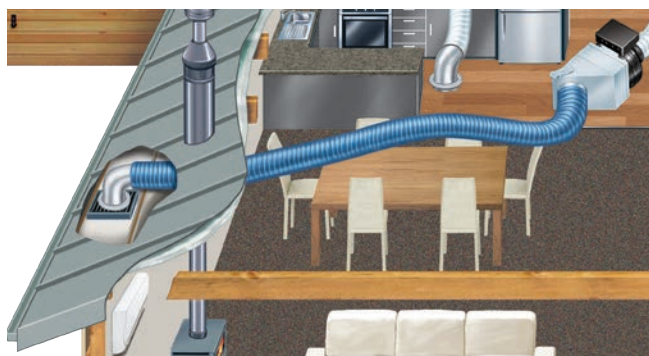
Ultra fine, hospital grade micro filter, perfect for trapping nasty bugs and unwanted pollutants.

Combine this with our whisper quiet, superior quality, German engineered fan and you have the ultimate ventilation system.

## what our customers say

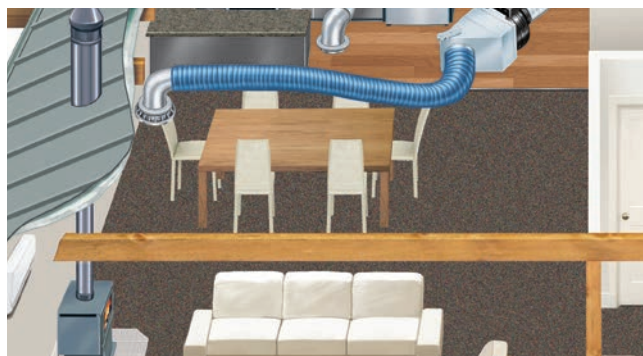
*"Before, I had moisture on my ceilings in the mornings and the heater on all night. Now I have no condensation."*

**Sacha, St Johns, Auckland**



### Summer Kit

Do you find it hard to sleep or to get the kids off to sleep on muggy summer nights? Our i-vent summer kit can easily be fitted to bring fresh outside air into your home.



### Heat Transfer Kit

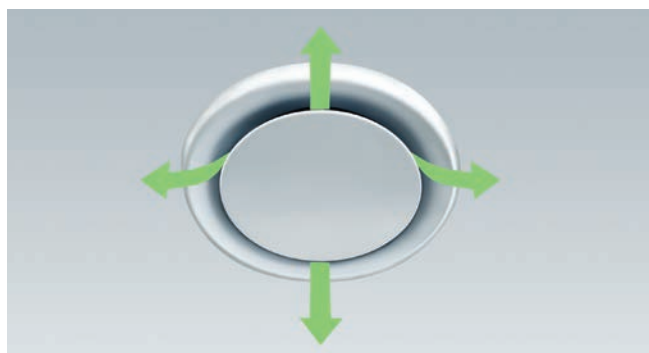
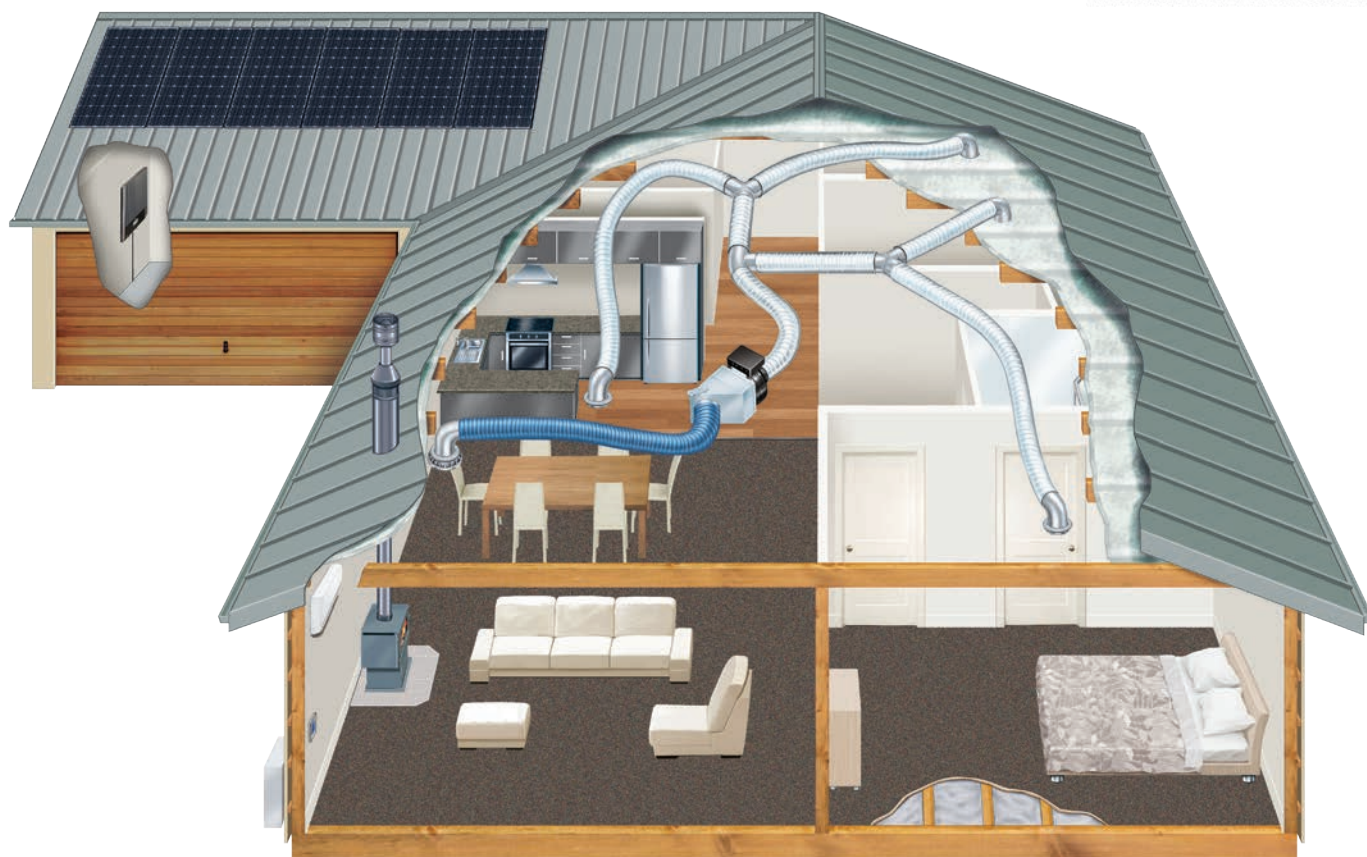
You can choose a heat transfer kit that works with your i-vent home ventilation system and your existing heating system. This can provide an efficient source of extra heat around the home.

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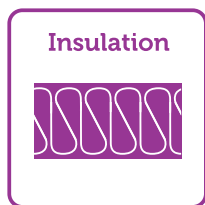
### Diffuser

Our ceiling diffusers are non-intrusive and carefully located to ensure the optimum performance of air flow throughout your home.



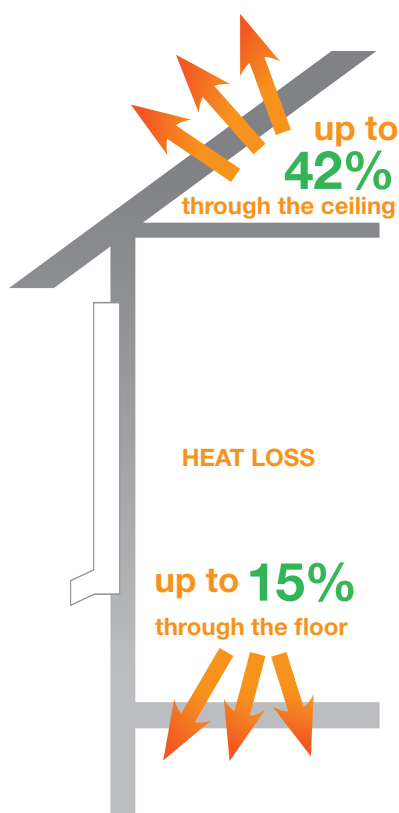
### Control Panel

The brains of the i-vent system, we have designed the ideal set and forget, fully automated control panel. Super easy to operate, so sit back and enjoy a healthier home.



# HARRISONS INSULATION

Draughty, cold and damp houses make us sick – and we have a lot of them in New Zealand. Nearly 60% of NZ's homes have inadequate ceiling and underfloor insulation, and many homes built before 1978 have no insulation at all. In other cases, the insulation has been in place for years and is not working properly any more, or is well below today's standards. Either way, there's a good chance your home could benefit from more insulation.



**Insulating your home is one of the most effective things you can do to keep your home warm and to save energy and money.**

- The correct ceiling insulation can save you up to \$400 a year on home heating
- A fully insulated house needs about half the heating of an uninsulated house. Paying a bit more for insulation now will save you money well into the future
- Warmer, drier homes are healthier, especially for those with respiratory illness or other conditions caused by living in cold and damp houses
- World Health Organisation research shows that if your home is constantly below 18°C, you are much more at risk from colds, bronchitis or asthma. One in six New Zealand adults and one in four children experience asthma symptoms. These are some of the highest rates in the world
- A University of Otago study showed that improving heating and insulation cut hospital admissions for respiratory conditions by 38% and energy use by 19%
- A well-insulated home gives you a cooler summer and a warmer winter making your home more comfortable all year round



**Buy now, pay later**  
**No interest, no payments for 12 months**

\*Terms and conditions apply.



# WHY CHOOSE US?

Insulation needs to be installed by professionals who know what they're doing. That way, you can be sure you'll get the full benefit from your new ceiling and underfloor insulation.

## Our price promise

Our price promise means you can buy with confidence, knowing you have purchased the best quality product, at the lowest price possible. Conditions apply.

## Lifetime product warranty\*

Harrisons Energy Solutions warrants that their Enviro range will not pack down, shrink, support mould, rot or deteriorate and, when installed in accordance with our directions, will last the life of your home – 70 years from the date of purchase.

**ENVIRO  
LIFETIME  
WARRANTY\***

## 10 year installation guarantee

Our consultants will offer a tailored solution perfectly suited to your home. Insulation needs to be installed by professionals and our installation teams have insulated thousands of homes. We guarantee their workmanship for 10 years.

**10  
YEAR  
INSTALLATION  
GUARANTEE**

## Interest free finance

We can put together an interest-free finance package through Gem Visa or Q Card so you can afford to get the job done without waiting. Why shiver through another winter when you can get interest-free finance for full insulation right now? Credit criteria and conditions apply.



## Fly Buys

If you collect Fly Buys, we'll boost your balance with an extra helping of points.

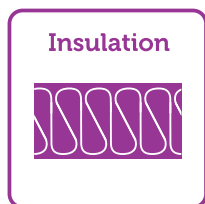
**Fly Buys**

\*If you can find the exact same quality insulation at a lower price, with the same product and install warranties and payment terms, we will gladly beat that price. This is based on standard installations only and does not include installations that require extras. You will need to provide a copy of the competitor price in writing.

## What our customers say

*"Having now spent only one night with insulation, I seriously wish I had done this a few years ago. I did not realise it would feel this different/better to live in my home. I'm thoroughly happy - thank you!"*

**Dyann, Glenfield, Auckland.**



# WHY POLYESTER?

## Creating better environments with polyester insulation

Polyester is one of the most commonly used fibres in the world. Renowned for its safety, durability and performance, it is used extensively in clothing, bedding and fabrics. Polyester fibres are bonded together using heat, not chemicals such as formaldehyde. Polyester insulation causes no skin or respiratory irritation and emits no fumes. Non-irritant and non-toxic, it is 100% safe, even for asthma sufferers.

Long-lasting high-performance polyester insulation can save you money in heating and cooling bills and protect your family's health. It won't slump, settle or disintegrate over time and is backed by a lifetime warranty.

Polyester (PET) is the same material that plastic bottles are made of. Every thermal insulation product we make contains recycled fibres from chipped up bottles. What better use for a waste material than turning it into a product that stops greenhouse emissions?

We believe our products save people money, improve people's health, and enable them to make a positive contribution to the environment.

## OUR vision

Creating better living  
environments all over the  
world while protecting  
the biggest living  
environment of all.



## POLYESTER IS SAFE FOR YOUR HOME AND FAMILY

Rat and  
rodent resistant

Non Toxic

No Chemical  
Additives

Non  
Irritant

Non  
Flammable

Respiratory Safe



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*Fly Buys*

# PREMIUM POLYESTER ENVIROBLANKET



## A blanket for your home

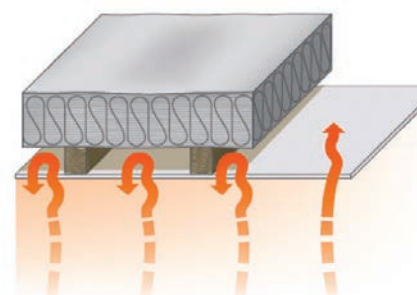
Just as the polyester used in duvets, pillows and sleeping bags provides warmth and comfort, Enviroblanket keeps your house snug. Heat is trapped under the blanket, in the fabric air pockets and inside the hollow fibres themselves. And because Enviroblanket is installed in your ceiling as a blanket that covers the ceiling joists, there is less chance for heat to escape.

Enviroblanket has fewer joins than segment insulation that is inserted in pieces between the joists. It's fast, safe and easy to install.

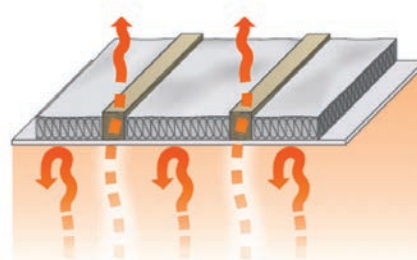
As an added benefit, Enviroblanket absorbs noise to create a quieter environment below the ceiling. And if moisture should ever get into your ceiling space, Enviroblanket won't break down, as there are no glues used in its manufacture.

## Why blanket is best

Enviroblanket has fewer joins than segment insulation and extends over the ceiling joists. Without a blanket, heat can escape through the joists themselves, as this thermal image shows.



How an Enviroblanket traps heat



Ceiling joists can lose heat if not covered

**ENVIRO**  
**LIFETIME**  
**WARRANTY\***

\*Harrisons Energy Solutions guarantees that the Enviroblanket product range will perform as well as when installed for at least 70 years as long as the insulation is installed correctly and remains adequately protected.

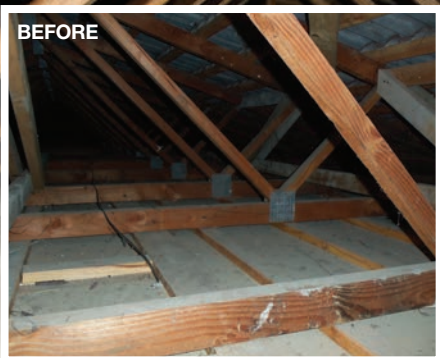


## Insulation



# CEILING INSULATION

BEFORE



## What thickness is needed to comply?

If your home already has insulation, it should be at least 120mm thick to be effective. If you have less than 120mm of insulation we can help with a top-up blanket.

If your house is multi-storey, you only need to insulate the main upper ceiling. It isn't necessary to insulate the ceiling between floors. You may, however, want to insulate ceilings between floors if the ground floor is a separate flat.

Ceiling Product Range	Product R-value	Nominal Thickness (mm)
Enviroblanket R1.8	1.8	115
Enviroblanket R3.0	3.0	185
Enviroblanket R3.3	3.3	200
Enviroblanket R3.6	3.6	225

## Minimum thermal resistance of building system

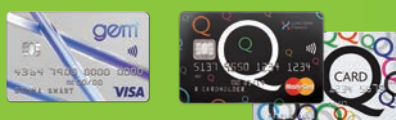
Zone	Coverage	Ceiling	Floor
1	Northland, Auckland, Franklin and the Coromandel Peninsula	R2.9	R1.3
2	North Island except the Central Plateau	R2.9	R1.3
3	North Island Central Plateau and all of the South Island	R3.3	R1.3

## What is insulation R-value?

The R-value of insulation tells you how effective it is. A higher R-value gives greater insulation effect. Product R-values are determined by a standard laboratory test.

## Typical R-values required to meet the New Zealand Building Code

The New Zealand building code divides the country into three zones for energy efficiency compliance. Zone boundaries are aligned with those of territorial authorities.



**Buy now, pay later**  
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\*Terms and conditions apply.

# UNDERFLOOR INSULATION



**Enviroblanket Underfloor is 100% polyester blanket insulation designed for flexibility. It's perfect for use between variable joist spacing, which is common in older New Zealand homes.**

There is no need for cutting or trimming to fit, meaning no mess and a greatly reduced installation time.

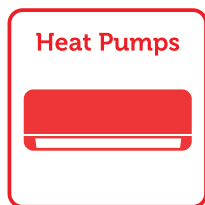
Simply stapled into place between the joists without the need for clips or tape, it will significantly reduce heat loss and drafts caused by joins in the floor. You'll have warmer feet and a warmer home!

Once installed, Enviroblanket Underfloor will not break down or lose performance over time. It is backed up by a 70-year product warranty and a 10-year installation guarantee.



Underfloor Product Range	Product R-value	Nominal Thickness (mm)
Enviroblanket Underfloor	1.6	100
Enviroblanket Underfloor	1.8	115

\*Harrisons Energy Solutions guarantees that the Enviroblanket product range will perform as well as when installed for at least 70 years as long as the insulation is installed correctly and remains adequately protected.



# HARRISONS HEAT PUMPS

## The energy efficient choice

Heat pumps are one of the most energy-efficient forms of heating and cooling available in New Zealand. The reason is that they don't use energy to create new heat – they simply move available heat from one place to another. All they need is enough electrical power to run the compressor. EECa (Energy Efficiency Conservation Authority) agrees that heat pumps deliver more heat for your buck.

## Safety

The New Zealand Fire Service recommends clothing, furniture and children be kept at least one metre away from heaters and fires. Unlike gas burners or electric heaters, heat pumps are safe to be around as they have no flames or hot surfaces that children can burn themselves on.

## Lowest running costs

The more efficient a heating system is, the cheaper it is to run. While a heat pump may cost more to buy than a gas heater, the long-term energy savings are far greater.

## Precise comfort control

If you value comfort, heat pumps are the smart choice. According to Consumer magazine, "heat pumps use a fan to distribute the warmed air, and the heating spreads more evenly than most". With other heat sources such as wood burners, the further you move away, the less heat you feel. Other appliances provide only spot heating (e.g. portable heaters).

Once the room warms up to your chosen temperature, a heat pump will maintain this. Other appliances keep adding more heat, leading to an uncomfortably hot room. You could spend the rest of the evening juggling settings to maintain the right comfort level.

## Easy and convenient

Why waste time fiddling with an appliance or fetching firewood? You want a heating system that's low maintenance, easy to use and able to provide heat at the touch of a button.

Heat pumps are controlled by a thermostat, ensuring your preferred temperature is maintained. There's no need to adjust settings – the heat pump will do this automatically.

On cold winter nights you'll come home to a warm home, thanks to your heat pump's timer. All heat pumps come with a 24-hour or a 7-day timer. You can easily programme your unit to switch on and off according to your daily schedule, so you enjoy total comfort without giving the system a moment's thought.

## Improved air quality

Heat pumps come with a healthy bonus - they filter the air that passes through the pump system, getting rid of nasty allergens.

This is great news for asthma and allergy sufferers. Most heat pumps are fitted with advanced filtration systems that boost air quality by filtering and deodorising the air. These two functions work together to remove even the tiniest airborne particles and break them down or neutralize them.

While un-flued gas heaters actually deplete the air quality and consume oxygen, heat pumps have been shown to improve air quality while they're keeping you warm.

## Cooling in summer

The technology in a heat pump is same as an air conditioner. In fact, it's the identical system in the reverse. Instead of extracting freely available heat from outside air, the unit reverses the process to extract cool air and pump this indoors. All you have to do is flick a switch. This is an added benefit for heat pump owners, giving you a handy option to keep your home cool on those hot summer days and muggy nights.

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## Health benefits

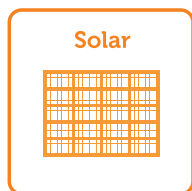
Studies show that a warmer, drier home has a positive effect on health, and that living in a house with temperatures below 16°C can contribute to respiratory illness and premature mortality. In fact, the World Health Organisation recommends minimum indoor temperatures of 18°C for healthy people and 20°C for 'at risk' groups such as the elderly, young children and those with respiratory illnesses. For a truly healthy home, adequate insulation, ventilation and heating are vital.

## Environmental sustainability

Heat pumps do not burn anything to provide heat energy. Apart from the small amount of electricity required for the compressor, there are no additional carbon emissions.

Compare this to the combustion process of wood burners, which generate fumes, soot and smoke and pump high levels of carbon emissions into the environment.





# HARRISONS SOLAR

There has never been a better time to switch to solar power. Reduce your energy bills and lock in the savings with one of our world leading solar systems. Join the solar revolution today!



## Solar panel prices down 75%

As power bills have increased the cost of solar panels has reduced by over 75% since 2007. Now you can create your own valuable power with a free resource that only needs light to work, not bright sun.

## Why go solar?

- Reduces your power bill
- NZ electricity prices have increased by 118% in the last twelve years
- As power prices increase, the payback time for solar shortens significantly
- Solar is more affordable than ever before
- Solar is the fastest growing energy source in the world
- Get money back for excess power you produce

## Why choose us?

- We are solar experts who will design a system to perfectly suit your needs
- We only recommend world-leading products with outstanding warranties
- We have generous interest-free finance options and we give you Fly Buys
- Battery ready solutions. Smart monitoring devices which allow you to check the performance of your system

**For further information about any of our products visit [harrisonsenergy.co.nz](http://harrisonsenergy.co.nz)**



Locally owned and operated across NZ

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