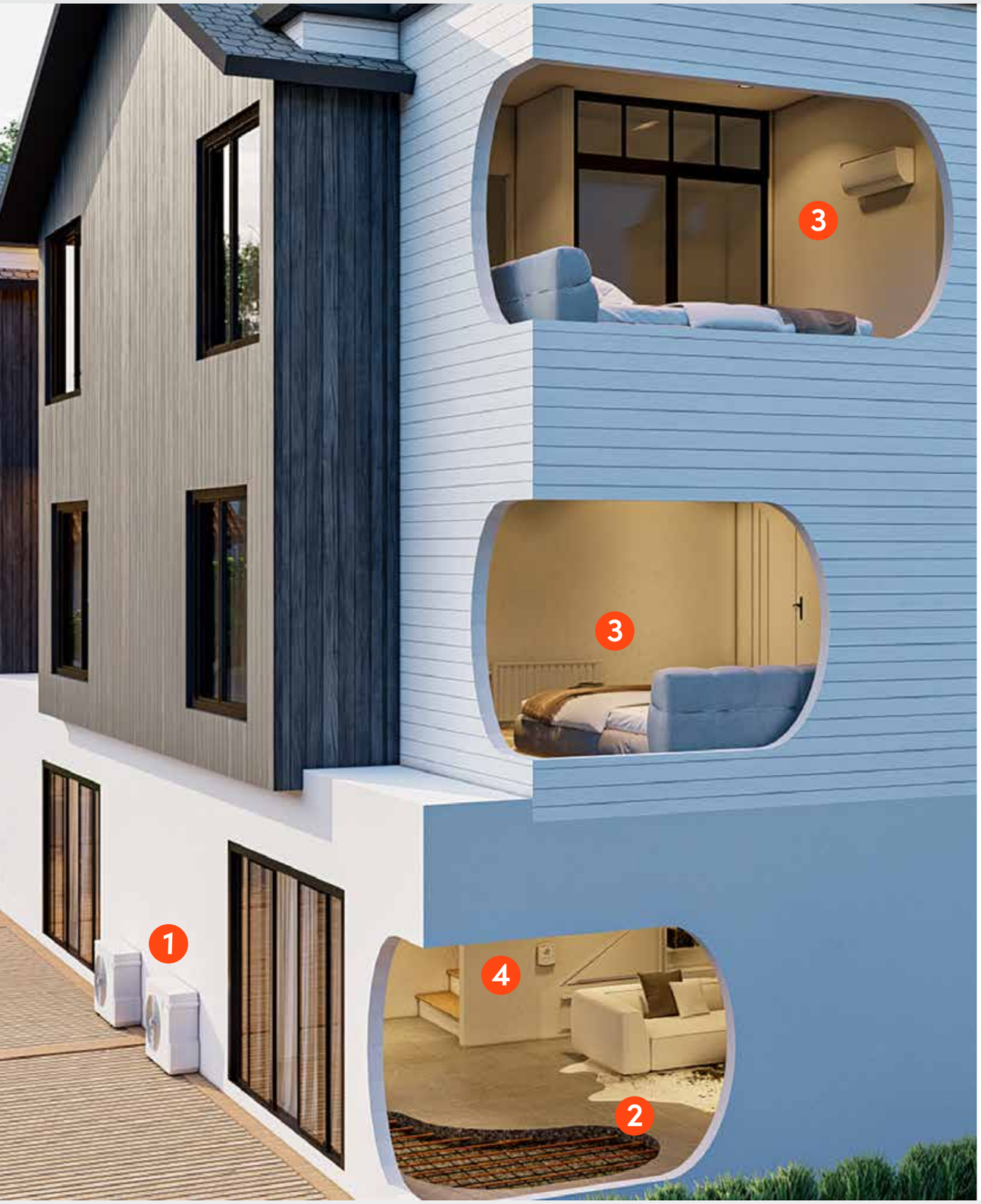
Central Heating
NEW ZEALAND

Medium Density Housing Guide

0800 357 1233 | info@centralheating.co.nz | centralheating.co.nz

Contents



What is hydronic central heating?

Hydronic central heating systems utilise natural convection and radiant heating via wall mounted radiators or underfloor pipes. Heat is generated centrally by heat pumps or boilers and distributed through a network of small pipes, minimising heat loss. These systems operate silently, provide even heat distribution, and eliminate draughts and stratification.

We offer various heat source options and can integrate with hot water systems. With efficient heat transfer and long component life, they reduce energy demands and running costs. Comparatively, they offer greater comfort and lower transmission of dust and allergens than ducted systems.

Tailored to suit your home and lifestyle

1

Heat Source

The heat source, usually a air-to-water heat pump or boiler, is the core of the system. Water is heated in the heat source and then pushed through a closed network of pipes to the emitters to warm the home.

2

Distribution

Insulated pipes, with a 50+year lifespan, distribute heated water to emitters. Underfloor systems use manifolds to evenly distribute water through pipes embedded in the construction slab.

3

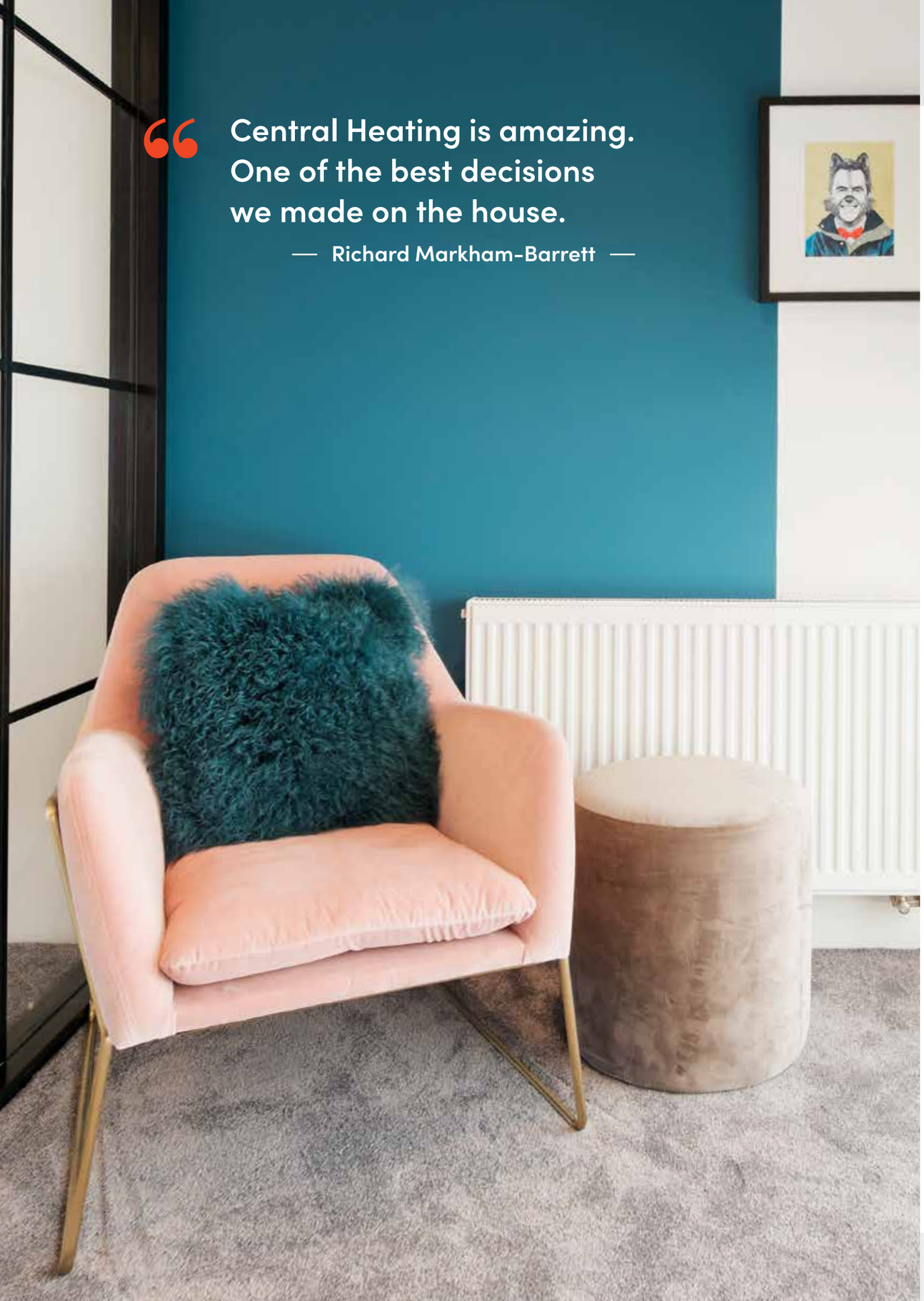
Emitters

The emitters are responsible for releasing heat into the room and warming the home, and they typically include underfloor heating, radiators or towel rails for bathroom comfort.

4

Controls

The brains of the system, typically installed in a central location, giving customers control over their heating system. They monitor the room temperature and communicate with the heat source.



Central Heating Benefits

Central heating provides consistent warmth throughout the home and is tailored to suit your home and your lifestyle – no two homes are the same!

Learn More

Comfortable

Hydronic central heating offers unparalleled comfort, evenly heating your entire home for enjoyment throughout the winter.

Convenient

Automated heating and cooling systems make living easier, a key reason for choosing hydronic central heating. Often, it's a set-and-forget scenario, but app-based control systems offer added flexibility.

Healthy

Hydronic central heating provides consistent warmth, benefiting respiratory health by avoiding the circulation of dust or allergens, thus fostering a healthier home environment.

Flexible & Future Proof

Select the right heat sources and distribution methods for cost-effective performance suited to your lifestyle. Invest in adaptable hydronic central heating for flexible power options. Don't overlook the opportunity to install underfloor pipes during new home construction.

Silent

Underfloor and radiator heating systems operate silently, ensuring that hydronic central heating offers a peaceful and enjoyable environment for relaxation, socializing, and daily life, free from the noise and disruptions caused by forced air.

Efficient & Effective

Distributing heat in smaller increments across a home ensures efficiency and consistent temperatures. Water transfers energy better than air, providing enhanced warmth through radiant methods like radiators, rather than air-based convection heating.

Why Central Heating New Zealand

- **Extensive Experience and Expertise:**
  With a rich history of involvement in over 13,000 central heating systems throughout New Zealand, Central Heating New Zealand brings unparalleled expertise to ensure optimal comfort and performance in your home. Our experienced engineering and technical teams understand the local climate, building regulations, and customer preferences, guaranteeing a heating system tailored to your client's needs.
- **Comprehensive Design Documentation:**
  Central Heating New Zealand provides detailed design documentation and drawings, making the installation and maintenance of the central heating system seamless. From schematics to pipe layouts and electrical drawings, our comprehensive package maximises efficiency, minimising potential issues in your client's home.
- **Guaranteed System Performance:**
  One of the standout benefits of choosing Central Heating New Zealand designed systems is the guarantee of system performance. Central Heating New Zealand stands behind the performance of our systems, ensuring they meet or exceed industry standards. With our commitment to quality and reliability, you can have peace of mind knowing you've invested in a high-performing heating solution.
- **Rigorous Research and Development:**
  Central Heating New Zealand conducts thorough testing and refinement in our Research and Development (R&D) department. This ensures that only tried and tested products are integrated into the central heating system. By prioritising product quality and performance, Central Heating New Zealand consistently delivers reliable and efficient heating solutions for your client's home.
- **Extended Warranties:**
  Central Heating New Zealand prioritise quality and believe that the products we import and install in New Zealand homes embody the essence of excellence. We offer generous warranties on crucial components, reflecting our belief in the durability and dependability of our products. For example, the Multitubo pipe system comes with a 25-year warranty, emphasising its robustness and ability to withstand the demands of being embedded into your home's structure. Additionally, the 25-year warranty on DeLonghi radiators guarantees efficient heat distribution, while the 5-year warranty on Chofu heat pumps demonstrates their high-quality craftsmanship and long-lasting performance.
- **Decades of Industry Experience:**
  With over 20 years of experience in the central heating industry, Central Heating New Zealand has built a reputation for excellence and reliability. Our longevity signifies our ability to adapt to changing technologies and meet the unique needs of your clients. When you choose Central Heating New Zealand, you partner with experts who understand the importance of creating a comfortable and energy-efficient home.

By choosing Central Heating New Zealand, you gain access to extensive experience, meticulous design, guaranteed system performance, rigorous testing, long-term warranties, and a wealth of industry knowledge.

These factors collectively make Central Heating New Zealand the ideal choice for developers, builders and homeowners seeking reliable and efficient central heating solutions for their homes and projects.

Developer Advantage

Central heating systems offer a distinct advantage in high-density buildings by providing consistent warmth throughout, ensuring comfort for occupants regardless of the structure's size or layout.

Greater Output

Water transfers heat 4 times more than air making it more efficient

Stand Out

Differentiate your development from others in the market

Greater Returns

Investment in your home with higher capital gain returns

Greater Savings

One system for heating and domestic hot water saving up to 70% on running water costs

System Enhancements

Bespoke Engineered Design

To ensure an efficient system based, each home has a specifically designed heating system on heat loss calculations for that home

Superior Heating & Comfort

Superior enveloping form of heating year-round compared to traditional heating

Environmental

Keeping harmful refrigerants outside of the home reducing the risk of leaks

Efficient Domestic Hot Water Production

Hot water saving up to 70% on running water costs

Efficient Cooling

Innovative radiant cooling solutions which provides an increase in human comfort

Designer Solutions

Wide range of high quality designer and bespoke radiators and towel rails

Smart Technology

Innovative smart controller providing intuitive control of your heating system with a swipe of your finger

How does our system compare in the market?

Choosing the perfect heating solution for your home can be daunting, but hydronic central heating stands out as a particularly favourable choice. Comparing hydronic central heating, ducted central heating, and high wall heat pumps, reveals that hydronic heating advantages make it especially appealing.

Hydronic central heating delivers whole-home warmth through radiant heat, circulating hot water through pipes beneath the floor or within walls. This efficient system ensures consistent, gentle warmth and in some cases cooling without draughts and noise. It's ideal for those seeking whole-home, silent, efficient heating with customisable zoning, allowing different areas of your home to be heated to different temperatures and the power to control your heating remotely on an app.

In contrast, ducted central heating uses a network of large ducts to distribute warm air throughout the home. While it offers heating and cooling functionalities, it falls short in comfort compared to hydronic systems. Forced air can create draughts which spread dust and allergens, and they also provide uneven heating to your home.

High wall or ducted heat pumps, extract heat from the air outside to warm an indoor area. However, they only heat the room where the unit is installed, leaving the rest of the house cold. Their efficiency can also vary with outdoor temperatures, leading to higher operating costs in extreme weather.

Ultimately, hydronic central heating stands out for its ability to provide consistent, silent, and comfortable whole-home warmth. Its customisable zoning ensures each part of your home is perfectly heated. While ducted systems and high wall heat pumps have their merits, hydronic central heating offers superior comfort, efficiency, and control. By considering factors such as budget, space constraints, and desired comfort levels, homeowners can make an informed decision ensuring year-round comfort and efficiency.

Comparisons

	Hydronic Central Heating	Ducted Central Heating	High Wall Heat Pump*
Efficiency	★★★★★	★★★★	★★★
Install Cost**	$20,000 - 35,000	$15,000 - 25,000	$7,500 - 11,000
Running Cost***	$1,500 - 2,000/year	$2,000 - 2,500/year	$2,200 - 2,700/year
Heating Comfort	★★★★★	★★★	★★
Cooling Comfort	★★★★	★★★★★	★★★
Delivery Method	Radiant Heating	Forced Air Heating	Forced Air Heating
Domestic Hot Water	✓	×	×
Noise Level	None	Medium	High
Healthy	★★★★★	★★	★★
Whole Home Heating	★★★★★	★★★★	★

★ More stars indicate better quality, with five stars being excellent and one star being poor
** Based on the installation of 3 x 5kW units*
*** Based on new build 200m² home*
**** Based on $0.25/kWh for electricity and 30,000/kWh/year of heating and cooling load*

Your Journey

Once you've thoroughly evaluated the suitable central heating systems for your project, feel free to reach out to our approachable sales team to delve into further discussions.

1

Step 1.

Select Heat Source

2

Step 2.

Select Emitters

3

Step 3.

Select Add-Ons

4

Step 4.

Confirm with Central Heating New Zealand Sales Team

> Our central heating system has made living in our home a real pleasure. No longer cold rooms and dampness creeping in, the whole house is at a stable temperature and dry throughout.
>
> — Alumine Andrew —

Heat Sources

Step into the warmth of modern comfort with central heating systems, the beating heart of cosy homes everywhere. These systems utilise various heat sources to create a haven from the chill of winter, ensuring consistent warmth throughout your space.

From traditional gas and diesel boilers to eco-friendly options like biomass boilers, along with innovative air-to-water heat pumps, central heating offers a range of solutions tailored to every need and preference.

Embrace efficiency and reliability as central heating transforms your living environment into a sanctuary of comfort, no matter the weather outside.

At Central Heating New Zealand, we offer a diverse selection of heat sources tailored to suit your project, whether it's for standalone homes or medium-density living. Our range of options ensures that you'll find the perfect solution to keep your space comfortably warm, no matter the size or scale of your heating needs.

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Step 1.

Chofu Heat Pump

Experience unparalleled efficiency and eco-friendliness with Air-to-Water heat pumps for your next project. Air-to-Water heat pumps (or commonly known as the hydronic heat pumps) efficiently extract energy from the ambient air, even in temperatures as cold as -20°C, and utilise it to provide warmed or chilled water for heating or cooling homes. The Chofu heat pumps offered by Central Heating New Zealand have demonstrated their quality, with units installed nationwide since 2014, aligned with the high standards expected from a Japanese manufacturer.

If you want to reduce your carbon footprint and increase your central heating energy efficiency, an Air-to-Water heat pump is an absolute must. It's a simple and eco-friendly choice for your home. Air-to-Water heat pumps are electrical appliances that get the most value from a unit of electricity.

Hydronic heat pumps are suitable for projects throughout New Zealand. They are compatible with radiators or underfloor heating systems and can be paired with underfloor or fan coils to provide cooling solutions. To enhance their versatility, these heat pumps can be combined with a 200L or 300L hot water cylinder for an effective and efficient domestic hot water solution.

Learn More

16kW, 10kW, and 6kW Chofu Air-to-Water heat pump

Our Models

Product Code	Style	Size	Dimensions (HxWxD)	Installed Dimensions (HxWxD)	DWH	Cooling
HPTF06-HP	Chofu Air-to-Water Heat Pump	6kW	675 x 825 x 300	975 x 1525 x 1000	✓	✓
HPTF10	Chofu Air-to-Water Heat Pump	10kW	882 x 850 x 330	1182 x 1550 x 1030	✓	✓
HPTF16	Chofu Air-to-Water Heat Pump	16kW	1418 x 1000 x 330	1718 x 1700 x 1030	✓	✓

To ensure optimal performance please ensure minimum clearances and air flow requirements.
Contact us for further details.

Air-to-Water System Benefits

x3–4 Kilowatt Output

Greater Output

For every kilowatt used converts to 3–4 kilowatt output of heat into your home

Japanese Quality

High Quality

Tried and tested high Japanese manufacturing quality

Dual System

Heating and Cooling

Two systems in one, increasing energy efficiency and value in one unit

Silent & Sophisticated

Powerful and Reliable

Silent and sophisticated operation technology

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NORTH ISLAND

Step 1.

Gas Boilers

Gas boilers stand out as the most prevalent heat source for central heating systems globally, and the exceptional performance and efficiency of modern condensing gas boilers make them an ideal choice for New Zealand home heating. The trusted brand Rinnai, is synonymous with reliability in New Zealand, and Central Heating New Zealand takes pride in offering our Rinnai range to power our central heating systems.

Ideal for projects in the North Island, gas boilers capitalise on the economical and abundant supply of natural gas. Suited for home heating through radiators or underfloor pipes, combi models can also efficiently provide hot tap water from a single compact machine.

With flexible options for installation, our Rinnai units can be installed internally or externally (I-Series for internal installation only).

Rinnai Zen and I-Series
Combi Gas Boilers

Learn More

Our Models

Product Code	Style	Size	Dimensions (HxWxD)	DWH	Cooling
BRZEN24*	Rinnai Zen Condensing Boiler	24kW	660 x 440 x 285	✓	✕
BRZEN34*	Rinnai Zen Condensing Boiler	34kW	660 x 440 x 335	✓	✕
BRI3455 (limited LPG availability for I-Series)	Rinnai I-Series Condensing Boiler	34kW	671 x 471 x 276	✓	✕

* LPG kits available - (Maximum heating power 20kW) Higher heating performance available with system design by Central Heating New Zealand engineering team.
Boiler location to be installed in accordance with gas code requirements

Gas Boiler System Benefits

High Output

Greater Output

High out for compact size that can fit in small or large homes

Silent & Sophisticated

Developed technology

Provides peaceful and effective heating, no matter the weather

Adaptable Models

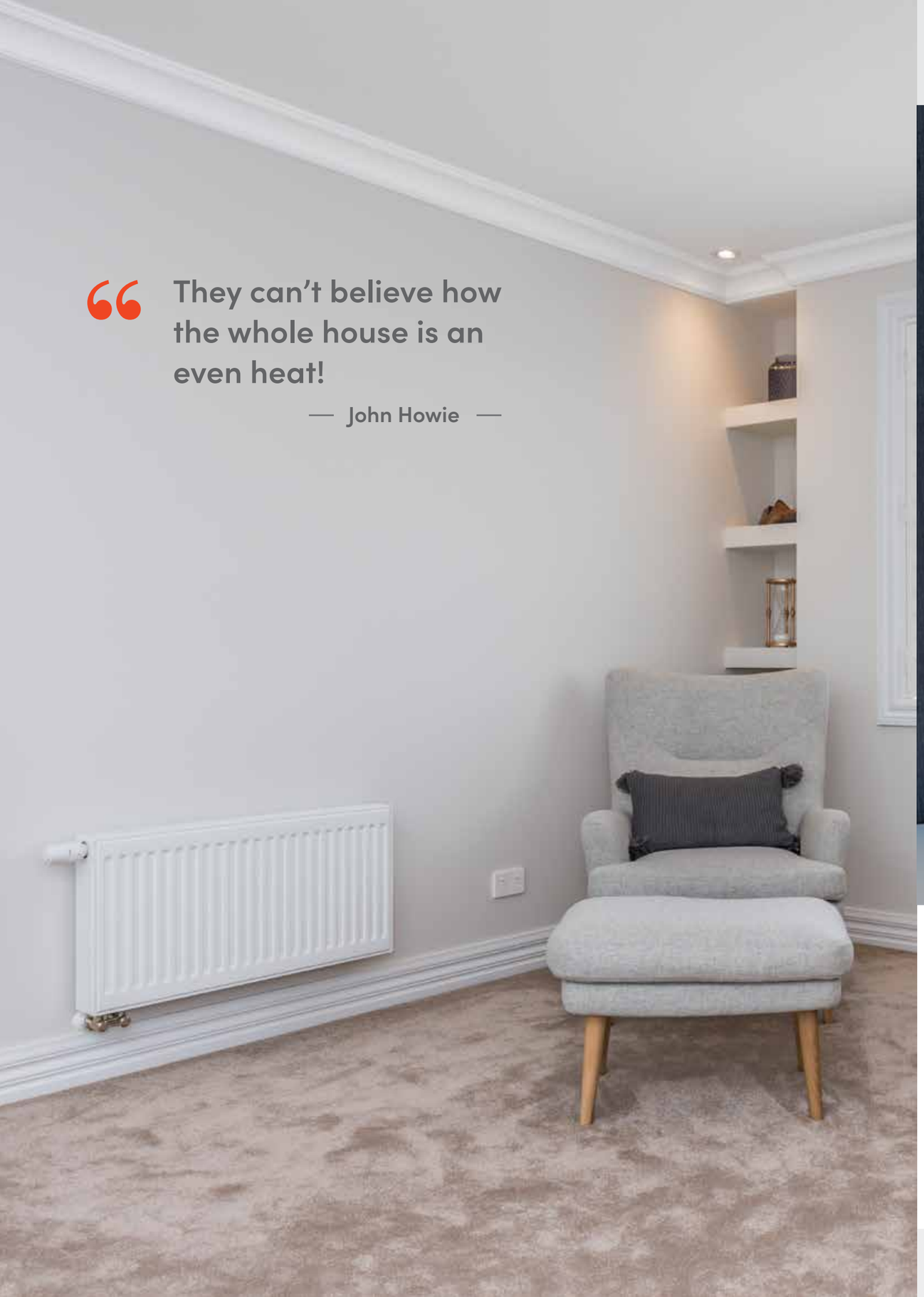
Adaptable

Various models available for projects such as condensing, standard efficiency and combination boilers

Low Capital Cost

Cost Effective

Low capital cost and affordable running cost, especially when access to reticulated gas is available



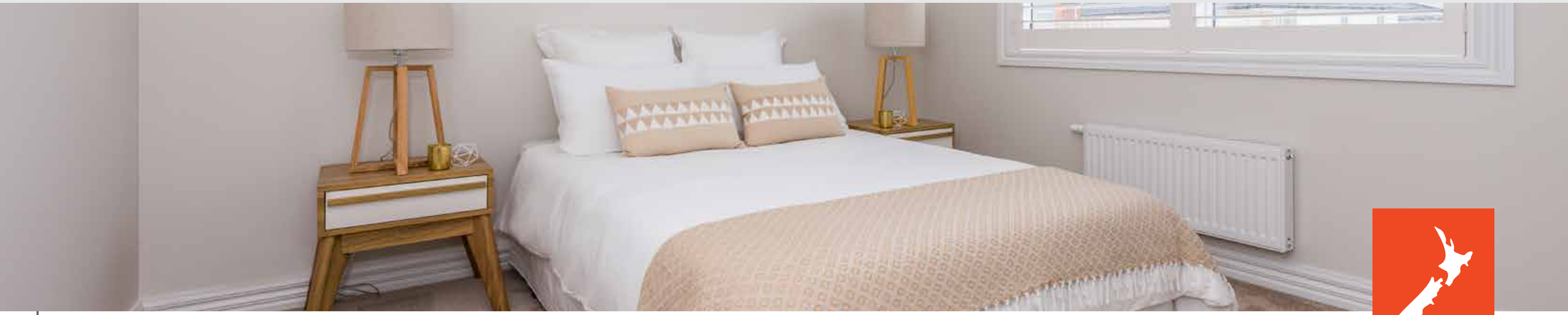
> They can't believe how the whole house is an even heat!
>
> — John Howie —

Emitters

Emitters are used as a vital conduit for releasing heat from the heat source into the rooms. Hydronic central heating systems offer versatility by accommodating various heat emission systems, enabling customisation based on the unique requirements of each project.

Standard options include inslab underfloor heating and wall-mounted steel panel radiators. However, the flexibility of these systems extends to other options, which can be explored in the system enhancements.

These alternative choices can complement the in-slab underfloor and radiator system or even replace all or parts of the system, providing tailored solutions to meet specific project needs.



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Step 2.

Radiators

Steel panel radiators are an efficient and effective way to heat the home, the modern steel panel radiator features water filled panels outside internal convector fins maximising the heating capacity available from the wall space obstruction.

Radiators can be positioned throughout the home to ensure heat is delivered evenly to all corners. Radiators offer the ability for the homes heating to be responsive to changes of weather and can be turned up or down depending on the needs of the home throughout the day.

Where possible radiators should be positioned to use up wall space that wouldn't otherwise be used, for example behind a door or under a window.

Learn More

Type 21 and Type 22 steel panel radiator

Our Models

Style	Dimension Width	Dimension Height	Cooling	Preferred Location
Type 21	400 - 1600	300 - 1400	✕	Nationwide
Type 22	400 - 2300	300 - 1800	✕	Nationwide

Additional styles and sizes available by indent.
Contact us for further details.

Radiator System Benefits

Different Orientation

Orientation to Suit

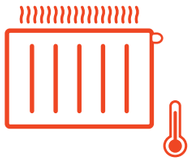
Vertical and Horizontal radiator models available to suit your project requirements

Silent Operation

Developed Technology

Radiators are silent making it more enjoyable for relaxing and socialising

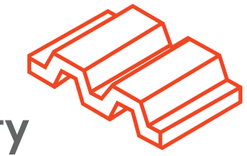
Gentle Radiant Heat



No Forced Air

Convection radiant heat making it healthier with no dust movement

Quality Material



Steel Panels

High quality steel panel radiators providing maximum heating capacity

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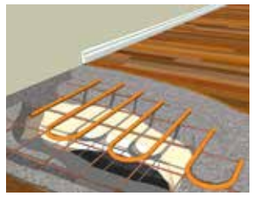
Underfloor

Underfloor heating is considered the most luxurious form of heating. By heating large areas of the floor, heating to the home and its occupants is delivered radiantly without creating noise or draughts.

As the system is integrated into the floor it is invisible allowing heating to effectively be provided – even to spaces with limited wall space and large amounts of glazing.

Underfloor heating systems are integrated in the structural floor of the home as this is the most cost effective installation method and is best paired with floor surfaces that promote the effective and efficient release of heat, for example polished concrete, tiles, vinyl, and thin engineered timber.



— Inslab Underfloor Heating

— Spreader Plates Underfloor Heating

— EzyMix Underfloor Heating

— VarioComp Underfloor Heating

Learn More

Our Models

Style	Construction Type	Response Time*	Cooling	Installation Cost
Inslab Underfloor Heating	Structural Floor	★	✓	★★
Spreader Plates Underfloor Heating	Timber Floor	★★	✕	★★★
EzyMix Underfloor Heating	Structural Floor	★★★	✓	★★★
VarioComp Underfloor Heating**	All Floor Types	★★★★	✓	★★★★

*Response speed time ranges from 1 star, indicating the slowest response/lowest installation cost, to 4 stars, indicating the fastest response/highest installation cost. **System Enhancement. Contact us for further details.

Underfloor System Benefits

Dual System

Heating and Cooling

Two systems in one, enhancing energy efficiency and value in one unit

Healthier Homes

Environmental

Better for your respiratory system as radiant underfloor heating doesn't blow dust or allergens around

Gentle Radiant Heat

Enveloping Comfort

Improved internal comfort from enveloping radiant heating

Silent Operation

Developed Technology

Underfloor is silent making it more enjoyable for relaxing and socialising

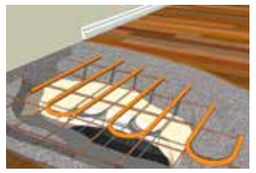
Step 2.

SUITED NZ WIDE

Underfloor & Radiators

For some projects just underfloor heating or radiators alone isn't suitable and a combination of these is required. Typical examples of this are to use underfloor heating in the living spaces as they need heating for more hours of the day and having radiators installed in the bedrooms where the temperatures can be changed depending on the use of the room.

The combination of these systems can be used in many ways to suit the use, style, and construction of the home to maximise comfort and flexibility of the system.



Inslab Underfloor Heating

Spreader Plates Underfloor Heating

EzyMix Underfloor Heating

Type 21 and Type 22 steel panel radiator

Learn More

Our Models

Style	Construction Type	Response Time*	Cooling	Installation Cost
Inslab Underfloor Heating	Structural Floor	★	✓	★★
Spreader Plates Underfloor Heating	Timber Floor	★★	✕	★★★
EzyMix Underfloor Heating	Structural Floor	★★★	✓	★★★

Style	Dimension Width	Dimension Height	Cooling	Preferred Location
Type 21	400 - 1600	300 - 1400	✕	Nationwide
Type 22	400 - 2300	300 - 1800	✕	Nationwide

*Response speed time ranges from 1 star, indicating the slowest response, to 4 stars, indicating the fastest response.

Underfloor & Radiator System Benefits

Tailored Design

Right Heat for the Requirements

Specifically designed heating system to ensure an efficient system based on heat loss calculations

Best of both Worlds

Heating and Cooling

Two systems in one, increasing energy efficiency and value in one unit

Low Running Cost

Cost Effective

Up to 98% efficient and 2-4 times more efficient that modern diesel cars

Adaptable Applications

Flexible Solutions

Flexible solutions for varying construction project needs, ensuring consistent optimal warmth

Step 2.

> Winter has never been this enjoyable. We should have installed central heating years ago!
>
> — Marian Bosman —

System Enhancements

Discover the efficiency of Central Heating New Zealand with our system enhancements.

Our hot water cylinders, crafted from duplex stainless steel, offering unparalleled corrosion resistance and longevity. Elevate your central heating with our heated towel rails, providing radiant warmth and practicality. Add a touch of charm with our DeLonghi Multicolonna column radiators, sleek steel Korado radiators, or our timeless Arroll cast iron radiators. Enhance the space with our VarioComp floor or modular panel heating systems with reactive comfort heating and cooling. For year round comfort our fan coils and cooling solutions are tried and tested for New Zealand's conditions. Take control of your heating system with innovative smart controllers.

Trust Central Heating New Zealand for innovative solutions tailored to suit your next project.

Step 3.

Hot Water Cylinder

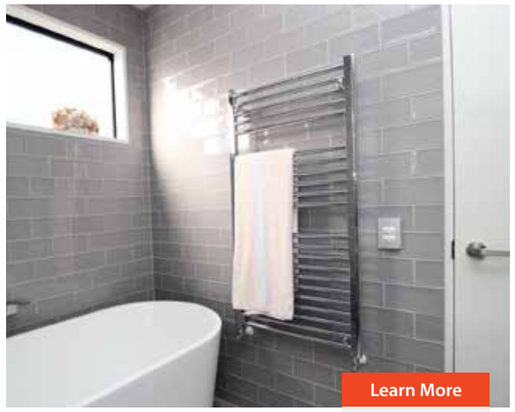
Central Heating systems can also provide hot water for the home. Heat pump systems can heat hot water for the home in around a third of the time and for a third of the cost of a standard electrical hot element hot water cylinder. Gas boiler systems can provide endless hot water from the compact machine. The size, style and location of the hot water cylinder or gas boiler can be selected to suit the needs of each project.

Learn More

Multiple options available tailored to suit your project requirements.

Towel Rails

Heated towel rails can be easily added to a central heating system and a range of colours and styles are available. Towel rails can be added to the bathrooms of the home and will ensure the towels are warm and dry, the heating of these are efficient and effective central heating system will reduce the operating costs. For summer heating of the towel rails, electrical elements can easily be integrated to ensure year round warmth.

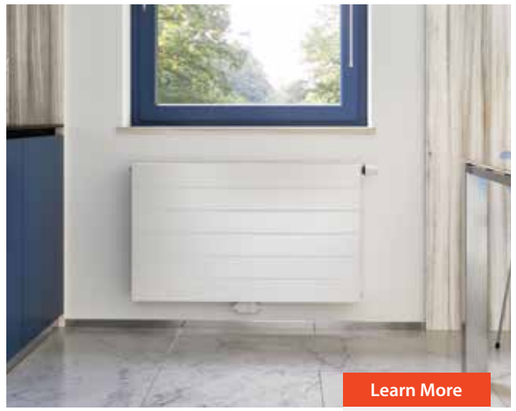


Learn More

Multiple options available tailored to suit your project requirements.

Line Radiator

Upgrade your radiator system to use the modern and sleek looking Korado Line Radiators. These radiators have a unique style and are available from stock to improve the aesthetic of a radiator central heating system.



Learn More

Multiple sizes available tailored to suit your project requirements.

Multicolonna Radiator

Upgrade your radiator system to use the stylish, retro column DeLonghi Multicolonna Radiators. These radiators can be supplied in a wide range of sizes and styles to suit the space and aesthetic of any project.

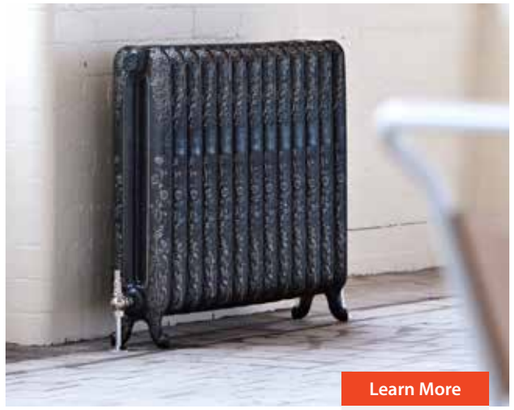
Learn More

Multiple sizes available tailored to suit your project requirements.

Step 3.

Arroll

Upgrade a radiator system to use the traditional styled Arroll Radiators. These elegant radiators are available in a wide range of styles, colours and finishes and are a great option for new or existing traditional styled construction projects.

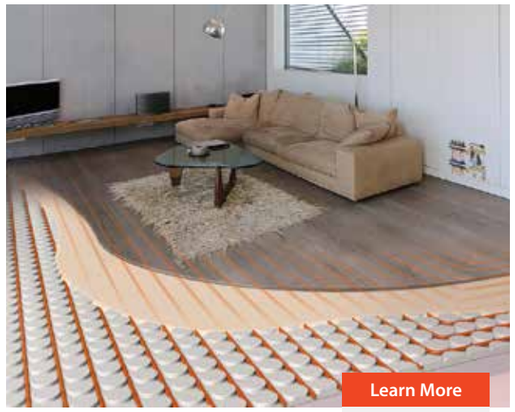


Learn More

Multiple options available tailored to suit your project requirements.

VarioComp

The VarioComp system is a lightweight 20mm thick underfloor heating system that is installed over new or existing structural floors like concrete or timber floor structures and will allow the use of a silent and discrete floor heating and cooling system to easily be integrated into the project. With the VarioComp system having a much lower thermal mass than other types of underfloor heating it can respond more quickly to the demands in the home.

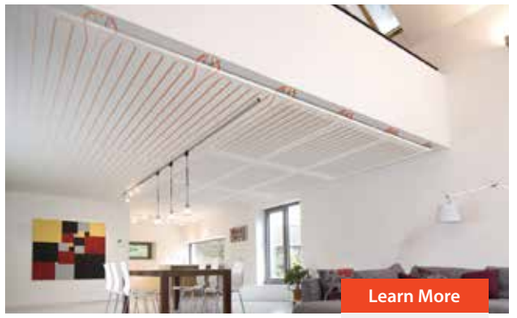


Learn More

Tailored to suit your project requirements.

Module Panels

Module Panels are a gypsum panel of 18mm thickness that includes integrated pipes to allow the finished wall or ceiling surface to provide heating or cooling of the entire home or selected rooms. Similar to the underfloor system these panels allow an invisible heating or cooling system to be created. Module panels can be used standalone to provide heating or cooling in a room or combined with radiators or underfloor heating in the same space to achieve a premium level of comfort. The Module Ceiling system is especially effective at providing cooling and when used in combination with an underfloor system and heat pump in a region with lower levels of humidity can provide an effective and efficient heating and cooling solution.



Learn More

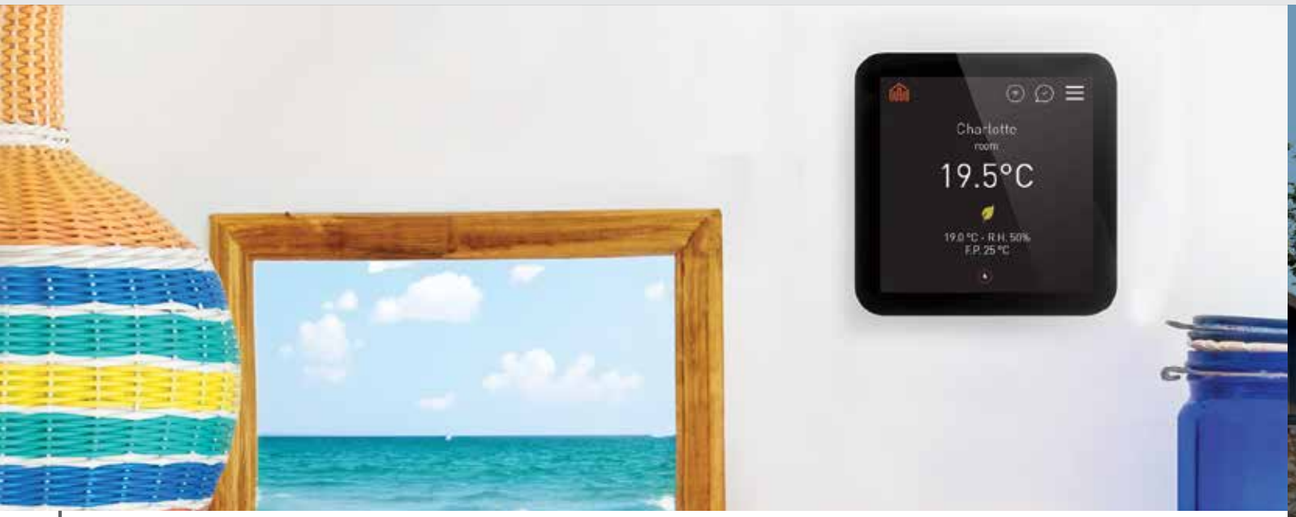
Tailored to suit your project requirements.

Fan Coils

Fan Coils are similar to the air conditioning system indoor units we commonly associate with heat pumps in New Zealand. These units can be connected into the central heating system and used with warmed or chilled water to provide heating or cooling to a space. These units can either be used on their own or in combination with radiators or underfloor heating in the same space. Fan Coils are thermostatically controlled and can automatically select the fan speed to reduce disturbance in the space.

Learn More

Multiple options available tailored to suit your project requirements.



System Design Example

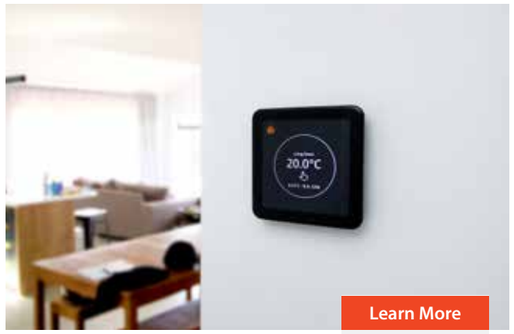
Underfloor Cooling

Central Heating New Zealand is renowned for being an early adopter of new technology and techniques, we offered underfloor heating systems to the market 10 years before they became popular and we have done the same with radiant cooling.

In 2020 after extensive research and development, Central Heating New Zealand launched New Zealand's first in-slab cooling option. Heat pump powered underfloor heating systems can also be used to provide a level of cooling to the home and we developed the control system required to manage this efficiently and effectively.

Smart Controllers

Smart heating controls such as the Smart One Controller or Google Nest 3 allow you to manage your heating remotely from a computer, tablet or smart phone. One clear advantage of a smart heating control system is that you can make changes remotely if your plans change – for example, you can change the time that your heating comes on if you will be home sooner or later than you thought. Other features such as tracking your energy use and monitoring tenants or holiday home use are available.



Learn More

Tailored to suit your project requirements.

Learn More

Multiple options available tailored to suit your project requirements.

In the realm of medium density housing, Central Heating New Zealand stands out as the premier choice for customised heating solutions. As the country's leading experts in central heating, we tailor our offerings to perfectly complement any project.

With our expertise, you can ensure exceptional warmth and comfort for residents while differentiating your properties in the market. By partnering with Central Heating New Zealand, housing projects receive not just heat, but a hallmark of quality and innovation that sets them apart from the rest.

Step 3.

Example: Affordable system

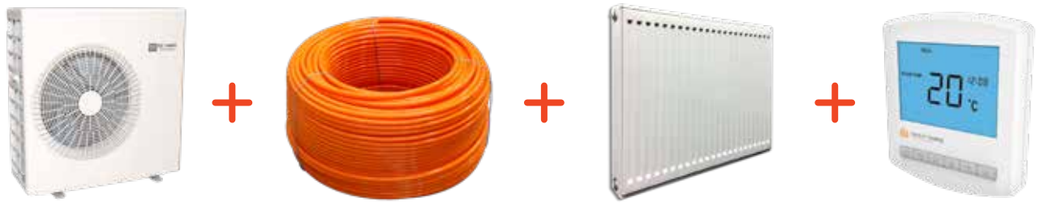
Creating an affordable heating system involves selecting cost-effective and reliable components. The Chofu Air-to-Water heat pump, paired with radiators, underfloor pipe, and controller, exemplifies this approach, delivering high efficiency and ease of use at a reasonable cost.

The Chofu Air-to-Water heat pump is a cornerstone of the system, known for its energy efficiency and low operational costs. For a comprehensive heating solution, underfloor heating with high-quality pipework is in the structural slab on the ground floor, while radiators are used on the second and third floors.

This arrangement maximises ease of installation, heat distribution, and efficiency throughout the home. A basic yet intuitive controller allows for precise temperature regulation and system management. With programmable settings, it ensures the system operates efficiently, adapting to the user's needs and optimising energy use.

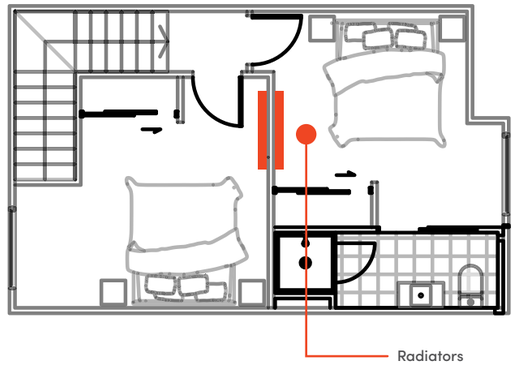
Together, these components form a cost-effective heating system that is both affordable to install and economical to run, providing a practical solution for maintaining comfortable indoor temperatures year-round.

Products in Affordable System Example

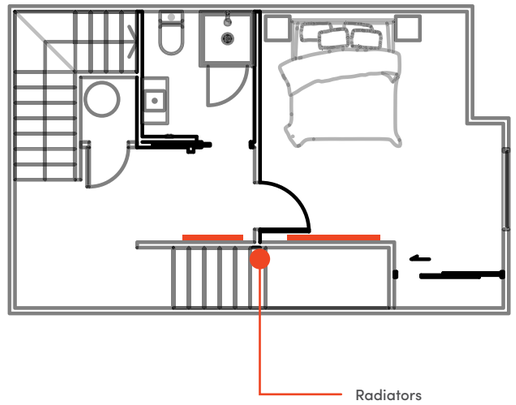


Chofu 10kW Heat Pump — Multitubo Underfloor Heating — DeLonghi Type 21 Radiator — Digital Thermostat

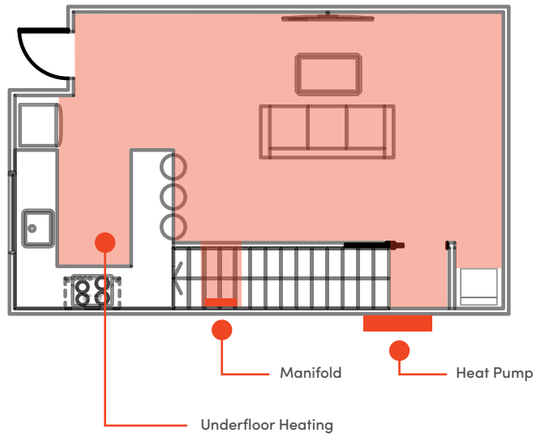
Second Floor



First Floor



Ground Floor



Hydronic Solution for Medium Density Building

For medium-density buildings, an affordable solution which balances cost and optimal heating consists of underfloor heating on the ground floor and radiators on the second and third floors, with pipework installed inside the walls to connect the components. This setup, powered by a Chofu Air-to-Water heat pump and controlled by a basic controller, ensures efficient heat distribution throughout the building.

By leveraging high-quality, durable materials and integrating them seamlessly, the system minimises heat loss and maximises energy efficiency.

The lower capital cost of this configuration, combined with the best use of each product, provides an economical and effective heating solution for multi-storey buildings, ensuring comfortable indoor temperatures while maintaining affordability.

The above is just a small example of the type of system we could offer, our team would be happy discuss your project requirements and develop a solution tailored to your requirements.

Are you interested?

Our friendly customer support is the best in the business as we provide the exceptional service that we would want to experience ourselves. Get in contact today, our team is waiting to hear from you.

0800 357 1233
info@centralheating.co.nz
centralheating.co.nz

Step 4.

Example: Enhanced System

Creating an enhanced heating system involves selecting high-end and reliable components. Variotherm heating and cooling solution, paired with designer radiators, underfloor pipework, an intuitive smart controller, and a hot water cylinder, showcases this approach, delivering superior efficiency and user-friendly operation.

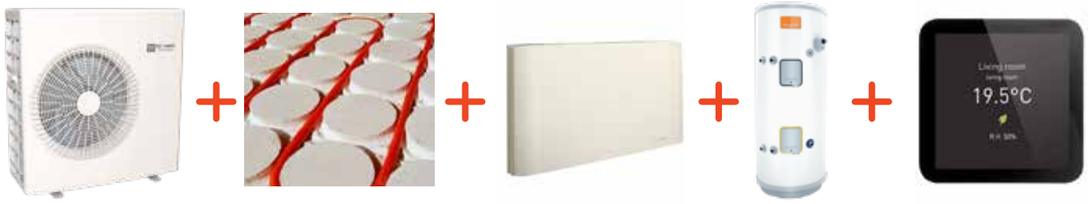
The VarioComp system is the foundation of this setup, known for its dual heating and cooling capabilities and low operational costs. For a comprehensive heating solution, Variotherm underfloor heating and cooling with high-quality pipework is installed on the ground floor, while designer radiators are used on the upper floors. This arrangement maximises heat distribution and efficiency throughout the home.

A Smart controller offers WIFI capabilities and allows for heating or cooling and precise temperature regulation and system management. With programmable settings, it ensures the system operates efficiently, adapting to the user's needs and optimising energy use.

Additionally, a hot water cylinder provides a reliable source of domestic hot water, making the system even more versatile. Heat pump systems can heat hot water for the home in around a third of the time and for a third of the cost of a standard electric hot element hot water cylinder.

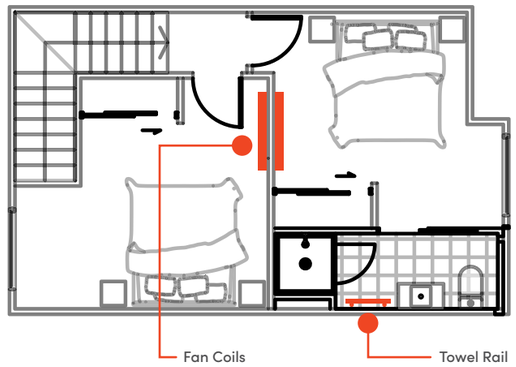
Together, these components form a high-end heating system that is both economical to run and tailored to provide unparalleled comfort year-round.

Products in Enhanced System Example

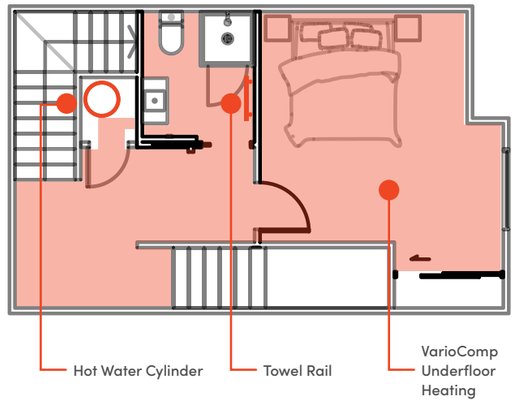


Chofu 10kW Heat Pump — VarioComp — Fan Coil — Hot Water Cylinder — Smart Thermostat

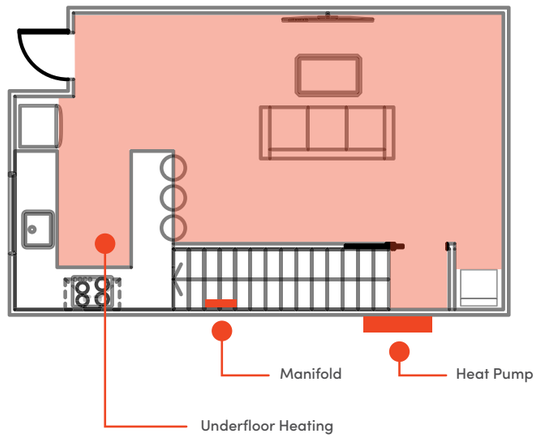
Second Floor



First Floor



Ground Floor



Hydronic Solution for Medium Density Building

For medium-density buildings looking to set themselves apart from the competition, an enhanced heating solution features VarioComp underfloor heating and cooling on the ground floor and designer radiators on the second and third floors, with pipework installed inside the walls to connect the components.

This sophisticated setup, managed by an intuitive smart controller, ensures precise temperature regulation and efficient heat distribution throughout the building. The integration of higher-end products, along with a hot water cylinder, creates a comprehensive system for heating and domestic hot water production.

This configuration, with its enhanced materials and smart technology, offers an exceptional heating and cooling solution for multi-storey buildings, delivering superior comfort and performance while maintaining cost-effectiveness in the long term.

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Step 4.

Working with us

- Support from start to finish
- Bespoke heating and cooling designs from in-house Engineers
- Marketing material and support
- Expert knowledge with more than 13,000 central heating installations New Zealand wide
- Invisible, silent, healthy and efficient solutions

Central Heating
NEW ZEALAND

BAXI DeLonghi FAR FIREBIRD

multitubo systems FERNOX MAKES WATER WORK VARIOTHERM

CHOFU KORADO Rinnai

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