metrofires | 2023

Wood warmth.
Renewable energy.

Using wood for warmth has been a practice for well over a million years. Unlike non-renewable fossil fuels, wood fuel is a renewable energy source and when harvested from sustainable forestry, is a far better choice for the environment.

As trees grow they capture carbon from the atmosphere and store it in their biomass. Wood biomass is a natural, carbon neutral fuel and when burnt efficiently and cleanly generates no more carbon dioxide (CO^2) than if it was left to naturally decompose. The CO^2 produced by burning wood fuel is re-absorbed by plants and trees and continually exchanged within the carbon cycle.

A new Metro fire is an environmentally conscious heating choice and will make your home warmer, drier and healthier. Continuous development and modern clean-burning technology lets you enjoy the impressive heat output and real warmth while reducing your carbon footprint.

If you love warmth, love wood!

LOVE WOOD
RENEWABLE ENERGY

WOOD WARMTH • CARBON NEUTRAL •

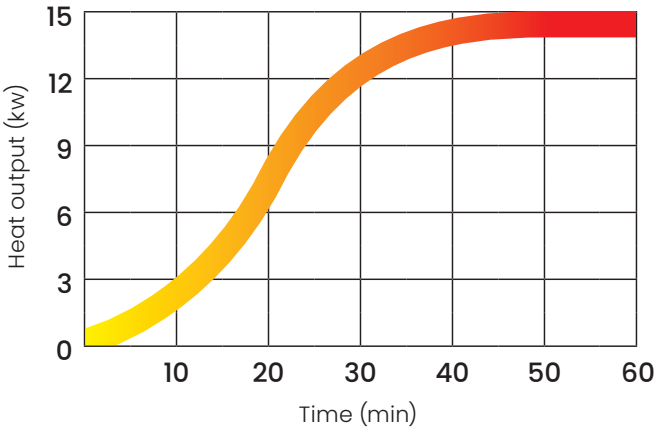
Impressive heat

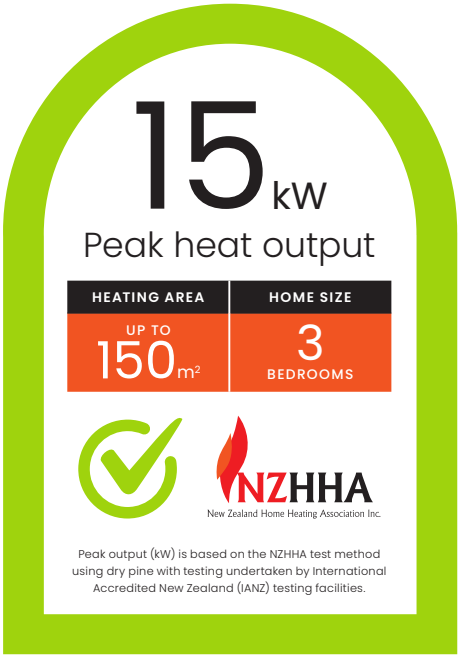
Metro fires are designed to heat up quickly and reach peak heat output within an hour of lighting.

Heat outputs are detailed in kilowatts (kW) and is the maximum amount of heat that a fire is capable of producing during the burn cycle. Heat output varies for each model and is also dependent on the quality and amount of fuel used and how frequently the firebox is reloaded during operation.

All models include a heating guide to help you size the best fire for your home and heating requirements and easily compare a models output, heating area and approximate home size. You can also rest assured that the Metro fire you purchase has been independently tested by an IANZ accredited testing facility.

Results illustrated below show a Metro Wee series firebox reaching its 15kW peak output within an hour of lighting.





Independent IANZ accredited testing

Metro fires are tested by independent International Accredited New Zealand (IANZ) testing facilities. During testing each model achieves a peak heat output based on the New Zealand Home Heating Association test method.

IANZ accreditation provides assurance that the testing facility operates effective quality processes and provides professional expertise and technical competence that is recognised as world-class.

New Zealand Home Heating Association

The New Zealand Home Heating Association (NZHHA) plays an active role in the development of appliance and installation standards both nationally and internationally.

The NZHHA also plays a major role in the development and promotion of clean air standards, clean burning and energy and resource conservation. NZHHA has members who are certified Solid Fuel Appliance Installation Technicians (SFAIT) that can assist with site inspections, installation and council compliance.

Advertised peak outputs (kW ratings) are based on the NZHHA Maximum Output test method which is undertaken by independent International Accredited New Zealand (IANZ) testing facilities. A specific loading method is used with specific fuel to obtain the results, which includes using dry 150mm x 50mm pine and the appliance being loaded and operated on the high setting for an extended period of time. During this time the appliance is periodically refuelled until the appliance reaches it's peak output. It is not recommended that the appliance be continually operated at it's peak output as this could increase the chance of damage to the appliance firebox and associated parts.

Choosing a fire

Why buy a Metro fire?

Real warmth

Keeping warm during winter is a basic need we all share, and the natural warmth, comfort and ambience of a flickering fire is the nicest way to keep your home warm, dry and healthy.

There's nothing more relaxing and comforting than enjoying the warmth of a Metro fire with family and friends.

Quality and durability

All Metro fireboxes are fabricated from quality New Zealand made steel to give you the best heating performance and long term durability.

Superior build, extensive research and development, rigorous quality control and a guarantee of workmanship come with every single Metro fire we make.

Locally owned NZ made

We are a local, family owned and operated company and support local industry by designing and building our fires right here in New Zealand.

We use the highest quality materials and workmanship with the latest manufacturing techniques to bring you NZ's largest range of wood fires.

What type of model can I install in my home?

In most parts of New Zealand, properties less than 2 hectares (just under 5 acres) require a 'clean air approved' wood fire. Some regions have specific 'air sheds' with more stringent regulations that require an Ultra low emission burner. If you're on a property of 2 hectares or larger, you can install any model wood fire including a specific LTD 'rural' model.

Clean air approved model

Complies with the Ministry for the Environment National Environmental Standards (NES) and can be installed into any home in New Zealand unless more stringent regional rules apply.

Ultra low emission model

ULEB's have Environment Canterbury (ECan) and NES approval and can be installed throughout New Zealand including homes in the Canterbury, Nelson, and Bay of Plenty regions.

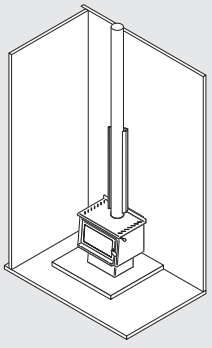
LTD rural model (2Ha+)

LTD rural models offer extended burn times and can also be fitted with larger capacity wetbacks. These models can only be installed into a home with a property size of two hectares or larger.

What installation options are available?

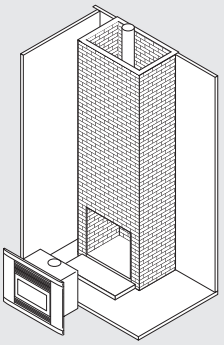
Freestanding installation

Freestanding fires are suitable for installation against a wall or into a corner with the Metro ECO flue kit.



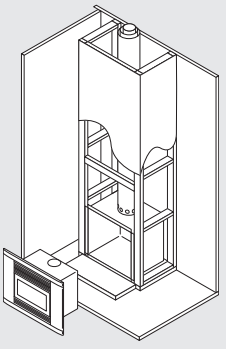
Insert installation

Insert fires are suitable for installation into a masonry chimney and installed with the Metro ECO Insert flue kit.



Built-In installation

Built-In fires are suitable for installation into a timber cavity and installed with the Metro ECO Built-In flue kit.



What size fire should I install in my home?

The right size fire for your home and heating requirements with correct operation and good dry fuel, will provide you many years of warmth and reliable heating. As a simple guide, 1kW of heat output = 10m² of heating area. For example a 15kW fire would suit a standard 150m² 3 bedroom home. Metro fires have been independently tested by an IANZ testing facility and during testing achieved individual peak outputs based on the New Zealand Home Heating Association test method.

Heat outputs and heating areas

Measure the floor area of the space you are wanting to heat considering key factors such as insulation levels, ceiling heights, window heat loss and your homes geographic location and winter climate. Heat output for each Metro fire is detailed in kilowatts (kW) and is the maximum amount of heat that fire is capable of producing during the burn cycle. Heating indications are based on a home with a 2.4m ceiling height in an average climate with insulation to current New Zealand standards.*

Your Metro fire heating specialist can complete a site visit to help you determine the correct size fire and heat output required.

11	**Peak heat output (kW)**	Up to 120m2 of heating area (2-3 bedroom home)
14	**Peak heat output (kW)**	Up to 140m2 of heating area (2-3 bedroom home)
15	**Peak heat output (kW)**	Up to 150m2 of heating area (3 bedroom home)
16	**Peak heat output (kW)**	Up to 160m2 of heating area (3 bedroom home)
18	**Peak heat output (kW)**	Up to 200m2 of heating area (4 bedroom home)
21	**Peak heat output (kW)**	Up to 250m2 of heating area (4-5 bedroom home)

* Heat output varies for each model and is also dependent on the quality and amount of fuel used and how frequently the firebox is loaded during operation.

Can I install a wetback for water heating?

Wetback capable models

Metro's revolutionary wetbacks help reduce the ever increasing winter power bills for thousands of satisfied Metro owners. With the benefit of reduced power consumption and the availability of hot water during power cuts, a wetback can either boost or provide the majority of your households hot water requirements during winter.

All Metro models can be fitted with a wetback for water heating with the exception of the Ultra low emission models.

Refer to page 34 for more information

Can I install a heat transfer system?

Heat transfer ducting systems

Metro fires can generate much more heat than is needed for just one room, but unless your home is open-plan the excess heat may not easily reach other parts of your home.

Metro heat transfer systems perfectly partner with your fire to create a dry, healthy environment and reduce condensation and dampness in your home. Warm air trapped at ceiling level is distributed to other rooms via an insulated ducting system. This warm air then recirculates back towards the living space to keep a continual cycle of warm air moving throughout your home.

Refer to page 37 for more information

Wood fire range

Clean air approved model

Ultra low emission model

LTD rural model (2Ha+)

15 Peak heat output (11 - 21kW)

HT High temperature paint finish

VE Vitreous enamel finish

Type	Model	Freestanding	kW	Heating area	Home size	Wetback	Finish
	Tiny Ped		11	Up to 120m²	2-3 bedroom	2kW	HT
	Tiny Rad		11	Up to 120m²	2-3 bedroom	2kW	HT
	Tiny Rad Woody		11	Up to 120m²	2-3 bedroom	Side	HT
	Wee Rad Base		15	Up to 150m²	3 bedroom	Side	HT
	Wee Rad Leg		15	Up to 150m²	3 bedroom	Side	HT
	Wee Rad Woody		15	Up to 150m²	3 bedroom	Side	HT
	Wee Ped		15	Up to 150m²	3 bedroom	Side	HT VE
	Rad Plus		16	Up to 160m²	3 bedroom	Side	HT
	Xtreme Rad Base		18	Up to 200m²	4 bedroom	3kW	HT
	Xtreme Rad Leg		18	Up to 200m²	4 bedroom	3kW	HT
	Xtreme Rad Woody		18	Up to 200m²	4 bedroom	3kW	HT
	Xtreme Ped		18	Up to 200m²	4 bedroom	3kW	HT VE
	Ambie One		15	Up to 150m²	3 bedroom	3kW*	HT VE
	Ambie Plus		18	Up to 200m²	4 bedroom	3kW	HT VE
	Mega Rad		21	Up to 250m²	4-5 bedroom	3kW	HT
	Ultra Tiny Rad		14	Up to 120m²	2-3 bedroom		HT
	Ultra Wee Rad		15	Up to 150m²	3 bedroom		HT
	Ultra Xtreme Rad		18	Up to 200m²	4 bedroom		HT

Wetback capable models

All Metro models can be fitted with a wetback for water heating with the exception of the Ultra low emission models.

*Wetback options are only available for the Ambie One and Trend Insert models when installed on a property with a land size of 2 hectares or larger.

Quality coatings

Metro fires are finished with either high temperature metallic black paint (HT) or black vitreous enamel (VE).

Paint finish fires will benefit from periodic maintenance to retain their appearance.

Type	Model	Freestanding	kW	Heating area	Home size	Wetback	Finish
	LTD Wee Rad Base		15	Up to 150m²	3 bedroom	3kW or 4kW	HT
	LTD Wee Rad Leg		15	Up to 150m²	3 bedroom	3kW or 4kW	HT
	LTD Wee Rad Woody		15	Up to 150m²	3 bedroom	3kW or 4kW	HT
	LTD Rad Plus		16	Up to 160m²	3 bedroom	Side	HT
	LTD Xtreme Rad Base		18	Up to 200m²	4 bedroom	3kW or 4kW	HT
	LTD Xtreme Rad Leg		18	Up to 200m²	4 bedroom	3kW or 4kW	HT
	LTD Xtreme Rad Woody		18	Up to 200m²	4 bedroom	3kW or 4kW	HT
	LTD Mega Rad		21	Up to 250m²	4-5 bedroom	3kW or 4kW	HT

Type	Model	Insert & Built-In	kW	Heating area	Home size	Wetback	Finish
	Smart Insert		15	Up to 150m²	3 bedroom	Smart	HT VE
	Smart Built-In		15	Up to 150m²	3 bedroom	Smart	HT VE
	Trend Insert		15	Up to 150m²	3 bedroom	3kW or 4kW*	HT VE
	Trend Built-In		15	Up to 150m²	3 bedroom	3kW or 4kW*	HT VE
	Mega Smart Built-In		18	Up to 200m²	4 bedroom	Mega Smart	HT VE
	Ultra Insert		15	Up to 150m²	3 bedroom		HT VE
	Ultra Built-In		15	Up to 150m²	3 bedroom		HT VE
	LTD Smart Insert		15	Up to 150m²	3 bedroom	Smart	HT VE
	LTD Smart Built-In		15	Up to 150m²	3 bedroom	Smart	HT VE

Tiny series

The Tiny Series offers a range of clean air approved low emission fires designed for smaller homes and open areas. These compact versatile fires feature suprisingly large volume fireboxes that punch well above their weight in winter heating performance.

Durable New Zealand steel fireboxes deliver both radiant and convection heating. Cook your favourite soup or boil the kettle on the flat cooktop of the radiant models. All models (excluding the Ultra Tiny Rad) can also be fitted with a wetback to assist with water heating.

11 Peak heat output (kW)

14 Peak heat output (kW)

Clean air approved model

Ultra low emission model

Tiny Ped 11

- Pedestal base
- Heating area up to 120m^2
- Convection cooktop grill
- 2kW wetback option
- HT metallic black paint finish

Tiny Rad 11

- Popular leg base
- Heating area up to 120m^2
- Solid radiant cooktop
- 2kW wetback option
- HT metallic black paint finish

Tiny Rad Woody 11

- Convenient wood storage
- Heating area up to 120m^2
- Solid radiant cooktop
- Side wetback option
- HT metallic black paint finish

Ultra Tiny Rad 14

- Popular leg base
- Heating area up to 140m^2
- ULEB ECan approved
- Solid radiant cooktop
- HT metallic black paint finish

Wee series

The Wee Series offers a mix of clean air approved low emission fires with a selection of LTD models designed for rural and lifestyle properties with a land area of 2Ha or larger. Choose from the popular leg model, pedestal base or wood stacker configurations.

Durable 6mm steel fireboxes deliver both radiant and convection heating. Enjoy the impressive radiant heat and flame views from the large glass window. All models (excluding the Ultra Wee Rad) can also be fitted with a wetback to assist with your homes water heating.

15 Peak heat output (kW)

Clean air approved model

Ultra low emission model

LTD rural model (2Ha+)

Wee Rad - Base

LTD Wee Rad - Base

- Pedestal base
- Solid radiant cooktop
- Side wetback option (Clean air)
- 3kW or 4kW wetback option (LTD)
- HT metallic black paint finish

Wee Rad - Leg

LTD Wee Rad - Leg

- Popular leg base
- Solid radiant cooktop
- Side wetback option (Clean air)
- 3kW or 4kW wetback option (LTD)
- HT metallic black paint finish

Wee Rad - Woody

LTD Wee Rad - Woody

- Convenient wood storage
- Solid radiant cooktop
- Side wetback option (Clean air)
- 3kW or 4kW wetback option (LTD)
- HT metallic black paint finish

Wee Ped HT

- Pedestal base
- Convection cooktop grill
- Side wetback option
- HT metallic black paint finish

Wee Ped VE

- Pedestal base
- Convection cooktop grill
- Side wetback option
- VE black enamel finish

Ultra Wee Rad

- Pedestal base
- ULEB ECan approved
- Solid radiant cooktop
- Convection fan driven heat
- HT metallic black paint finish

Xtreme series

The Xtreme Series offers a mix of clean air approved low emission fires with a selection of LTD models designed for rural and lifestyle properties with a land area of 2Ha or greater. Choose from the popular leg option, pedestal base or wood stacker configurations.

Large New Zealand steel fireboxes deliver both radiant and convection heating. Enjoy the impressive radiant heat and flame views from the large glass window. All models (excluding the Ultra Xtreme Rad) can also be fitted with a wetback to assist with your homes water heating.

18 Peak heat output (kW)

Clean air approved model

Ultra low emission model

LTD rural model (2Ha+)

Xtreme Rad - Base

LTD Xtreme Rad - Base

- Pedestal base
- Solid radiant cooktop
- 3kW wetback option (Clean air)
- 3kW or 4kW wetback option (LTD)
- HT metallic black paint finish

Xtreme Rad - Leg

LTD Xtreme Rad - Leg

- Popular leg base
- Solid radiant cooktop
- 3kW wetback option (Clean air)
- 3kW or 4kW wetback option (LTD)
- HT metallic black paint finish

Xtreme Rad - Woody

LTD Xtreme Rad - Woody

- Convenient wood storage
- Solid radiant cooktop
- 3kW wetback option (Clean air)
- 3kW or 4kW wetback option (LTD)
- HT metallic black paint finish

Xtreme Ped HT

- Pedestal base
- Convection cooktop grill
- 3kW wetback option
- HT metallic black paint finish

Xtreme Ped VE

- Pedestal base
- Convection cooktop grill
- 3kW wetback option
- VE black enamel finish

Ultra Xtreme Rad

- Pedestal base
- ULEB ECan approved
- Solid radiant cooktop
- Convection fan driven heat
- HT metallic black paint finish

Experience the NightView effect

Metro's Ambience and Rad Plus models feature the innovative black glass-ceramic ROBAX® NightView from SCHOTT. Fireplace glass which comes alive once the fire is lit and begins to burn.

The tinted glass-ceramic ROBAX® NightView offers a completely new experience for wood fire owners. The viewing panel not only calms the flames, giving them a darker, more natural colour, but it also makes a feature of the fire, providing a focal point for the room that will draw the eye and hold attention.

When the fire is not in use, ROBAX® NightView underlines the fire's clean aesthetic by concealing the internal firebox from view.

High burn - ROBAX® NightView

The special fire-viewing panel comes alive as soon as the fire is lit and transforms the flame picture by softening the brightness and liveliness of the flames.

Low burn - ROBAX® NightView

When the flames and embers burn down during the burn cycle, ROBAX® NightView calms and darkens the flames to create a more serene atmosphere.

Cold - ROBAX® NightView

When the fire is not in use, ROBAX® NightView underlines the beauty of the fireplace by concealing the combustion chamber and any soot or ash within.

Award winning design

New Zealand's Best Awards showcase the best of what kiwi designers and brands have to offer. The Ambience Series received awards in both Consumer and Sustainability Product Design categories.

Ambience series | ROBAX® NightView

Award winning design with exceptional performance and styling in both HT metallic black paint and VE black enamel cabinet finishes. Ambience models feature the innovative black glass-ceramic ROBAX® NightView which comes alive once the fire is lit and begins to burn.

From the initial spark to the final embers slowly burning out, the Ambience Series is the embodiment of minimalist design and smooth styling. Get the best of both radiant and convection heat from these convection wood fires that also generate huge radiant heat through the one piece glass front.

15 Peak heat output (kW)

18 Peak heat output (kW)

Clean air approved model

Ambie One HT 15

- Radiant and convection heating
- Heating area up to 150m^2
- ROBAX® NightView glass
- 3kW wetback option*
- HT metallic black paint finish

Ambie One VE 15

- Radiant and convection heating
- Heating area up to 150m^2
- ROBAX® NightView glass
- 3kW wetback option*
- VE black enamel finish

Ambie Plus HT 18

- Radiant and convection heating
- Heating area up to 200m^2
- ROBAX® NightView glass
- 3kW wetback option
- HT metallic black paint finish

Ambie Plus VE 18

- Radiant and convection heating
- Heating area up to 200m^2
- ROBAX® NightView glass
- 3kW wetback option
- VE black enamel finish

Rad Plus

LTD Rad Plus

Features:

- Heating area up to 160m²
- ROBAX® NightView glass
- Convenient wood storage
- Side wetback option
- HT metallic black paint finish

Rad Plus | ROBAX® NightView

The Metro Rad Plus features the innovative black glass-ceramic ROBAX® NightView from SCHOTT. Contrasting nicely against the metallic black paint finish, the upright vertical design with minimalist detailing, brings a clean and refined aesthetic with a magnificent flame view. The unique firebox design delivers a super clean burn with incredibly low particulate discharge.

The base compartment offers convenient storage with push-button door opening for easy access.

16 Peak heat output (kW)

Clean air approved model

LTD rural model (2Ha+)

*Rad Plus models must be installed with the Pioneer 900mm double flue shield.

High burn - ROBAX® NightView

The special fire-viewing panel comes alive as soon as the fire is lit and transforms the flame picture by softening the brightness and liveliness of the flames.

Low burn - ROBAX® NightView

When the flames and embers burn down during the burn cycle, ROBAX® NightView calms and darkens the flames to create a more serene atmosphere.

Cold - ROBAX® NightView

When the fire is not in use, ROBAX® NightView underlines the beauty of the fireplace by concealing the combustion chamber and any soot or ash within.

Mega Rad

LTD Mega Rad

- Heating area up to 250m^2
- Solid 10mm radiant cooktop
- 3kW wetback option (Clean air)
- 3kW or 4kW wetback option (LTD)
- HT metallic black paint finish

Mega Rad

The Mega Rad is the largest fire in the Metro range. Available in both clean air approved low emission and LTD version suitable for rural and lifestyle properties with a land area of 2 hectares or larger.

The Mega Rad features a huge firebox with a 10mm steel cooktop. The firebox handles hefty firewood with ease and is capable of delivering up to 21kW's of heat output to keep the largest of homes warm and comfortable all winter long.

High output wetback options are available for both models.

21 Peak heat output (kW)

Clean air approved model

LTD rural model (2Ha+)

Huge firebox capacity

Heating up open spaces quickly and keeping large homes cosy all winter long. The large volume firebox produces a peak heat output of 21kW and can be loaded with fire wood up to 480mm in length.

Dominant in size and features

Winter warmth, cooking capabilities and water heating are all dominant features of the Mega Rad. The 10mm solid steel cook top provides plenty of space for cooking a meal and boiling the kettle.

Panoramic fireside views

The 600mm wide landscape door glass delivers panoramic fireside views. Enjoy watching the flames through the clean and clear glass door thanks to Metro's clever airwash technology.

Insert and Built-In series

Insert models are the perfect fit for replacing an inefficient open fireplace or older style insert fire. Designed for installation into an existing masonry chimney with the Metro ECO Insert flue kit.

Insert models can also be installed with an appliance specific Vented Zero Clearance Cabinet (VZCC) and installed into a purpose-built timber framed cavity (false chimney).

The Mega Smart is a dedicated 'Built-In' fireplace and features a VZCC pre-fitted to its firebox for direct installation into a timber framed cavity. All 'Built-In' installations must be installed with the Metro ECO Built-In flue kit.

15 Peak heat output (kW)

18 Peak heat output (kW)

Clean air approved model

Ultra low emission model

LTD rural model (2Ha+)

Trend Insert 15

- Heating area up to 150m²
- Convection fan driven heat
- 3kW or 4kW wetback option*
- HT metallic black paint or VE black enamel finish

+ Built-In option available

Smart Insert 15

- Heating area up to 150m²
- Smart wetback option
- HT metallic black paint or VE black enamel finish

+ Built-In option available

Mega Smart Built-In 18

- Heating area up to 200m²
- Pre-fitted Zero Clearance Cabinet
- Mega Smart wetback option
- HT metallic black paint or VE black enamel finish

Smart Insert VE Built-In installation with the Smart VE fascia base rail

Ultra Insert 15

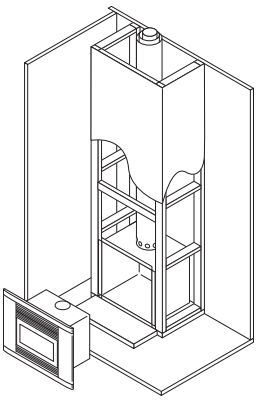
- Heating area up to 150m²
- ULEB ECan approved
- Convection fan driven heat
- HT metallic black paint or VE black enamel finish

+ Built-In option available

LTD Smart Insert 15

- Heating area up to 150m²
- Smart wetback option
- HT metallic black paint or VE black enamel finish

+ Built-In option available



Insert models can also be installed with an appliance specific Vented Zero Clearance Cabinet and installed into a purpose-built timber framed cavity.

Outdoor 850

Pizza Oven / Grill / Fireplace

Roof penetration flue kit options are available for covered outdoor areas

The versatile Outdoor 850 delivers impressive heat and cooking capabilities. Sear food to perfection on the cooking grill, slide in the pizza stone and watch the mozzarella melt, or simply sit back and enjoy the radiant warmth and ambience.

The landscape window offers panoramic fireside views, safety during operation and the 'closed-door' firebox prevents any wind blown ash and smoke nuisance often found with open fronted fires.

Solid Corten steel firebox construction and firebrick lined for heat retention and durability. All fastenings are stainless steel for high heat with high temperature satin black and zinc based coatings specially formulated for outdoor use.

Choose either a freestanding or roof penetration flue system to suit your installation. Roof penetration flue kits are available for covered outdoor areas.

Outdoor 850-B

The 850-B is designed for installation onto a non-combustible plinth or benchtop to your desired design.

Includes:

- Outdoor 850 firebox
- Stainless steel firebox feet
- Cooking grill and pizza stone
- Cooking tool kit
- Freestanding flue system

Outdoor 850-BP

The Outdoor 850-B model with a roof penetration flue system to suit covered outdoor areas.

Outdoor 850-P

The 850-P features a solid Corten steel pedestal base with a large foot for secure placement and stability.

Includes:

- Outdoor 850 firebox
- Corten steel pedestal base
- Cooking grill and pizza stone
- Cooking tool kit
- Freestanding flue system

Outdoor 850-PP

The Outdoor 850-P model with a roof penetration flue system to suit covered outdoor areas.

Outdoor 850-T

The 850-T features a large volume trolley base for storage of firewood, cooking grill and pizza stone.

Includes:

- Outdoor 850 firebox
- Stainless steel trolley base
- Cooking grill and pizza stone
- Cooking tool kit
- Freestanding flue system

Outdoor 850-TP

The Outdoor 850-T model with a roof penetration flue system to suit covered outdoor areas.

Outdoor 1200

Braai / Barbecue / Fireplace

Summer is pretty much synonymous with barbecue and grilling and we'd have to argue that most food tastes better when cooked over flames.

The term Braai (pronounced bry') originates from the Afrikaans word braaivleis, meaning 'roasted or grilled meat'. A traditional braai is cooked over embers and the type of wood used can make a big difference to the smokey flavours produced.

All cooking grills and accessories are easily removed after cooking to use as a fireplace and keep your guests warm as the evening cools down.

The Outdoor 1200 is available in three configurations with and without the Braai cooking accessory kit to suit your outdoor space and lifestyle. A simple installation onto a plinth base, a portable option with the stylish trolley base or a permanent setting into a custom made masonry enclosure.

Fire only options are available and include the ember tool and fire mitts but exclude all other Braai cooking accessories

Outdoor 1200 Braai

Suitable for installation onto a non combustible plinth or base to your desired design. Specifications for the base design are detailed in the Metro Outdoor catalogue.

Includes:

- 1200 firebox and gather
- Stainless steel door / cover
- Freestanding flue system
- Ember tool and outdoor fire mitts
- Full Braai cooking accessory kit
- Base / plinth customer care

Outdoor 1200 Braai + trolley base

Complete with a powdercoated aluminium and stainless steel trolley base. Practical door and firewood storage with the flexibility to move the unit around your outdoor living area.

Includes:

- 1200 firebox and gather
- Stainless and aluminium trolley
- Stainless steel door / cover
- Freestanding flue system
- Ember tool and outdoor fire mitts
- Full Braai cooking accessory kit

Outdoor 1200 Braai Insert

Designed for installation into a non combustible masonry structure. Features a specific Insert flue kit with optional flue extensions to suit the finished height of the structure.

Includes:

- 1200 firebox and insert gather
- Stainless steel door / cover
- Insert flue system
- Ember tool and outdoor fire mitts
- Full Braai cooking accessory kit
- Masonry structure customer care

Side racks x2

Ember maker

Small cooking grill x2

Grill basket

Cast iron cook plate

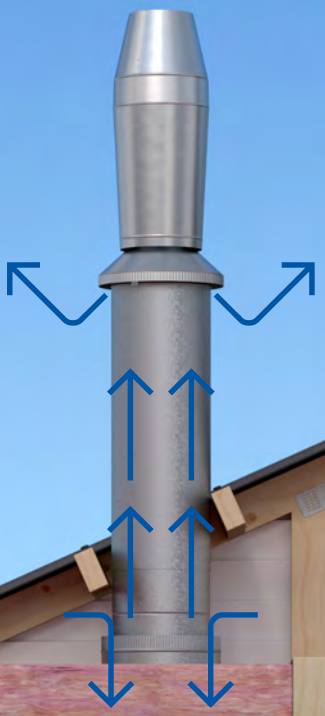
Outdoor fire mitts

Ember tool

Metro ECO flue

Heat your home faster

- Increased efficiency and draw
- Less firewood consumption
- Reduced wind noise
- Stainless steel liner options



Metro ECO Flue Kit

A Metro ECO Flue Kit heats your home faster and more efficiently.

Once your home is heated to the desired temperature, your fire can be turned to a lower setting, consuming less firewood and saving you money.

Ventilation is drawn into the flue liners from your homes vented ceiling cavity. This allows the heat generated by your wood fire to remain inside your home.

Wind noise inside the home is also reduced as the ECO Flue Kit liners are 'sealed' at ceiling level.

ECO FLUE KIT

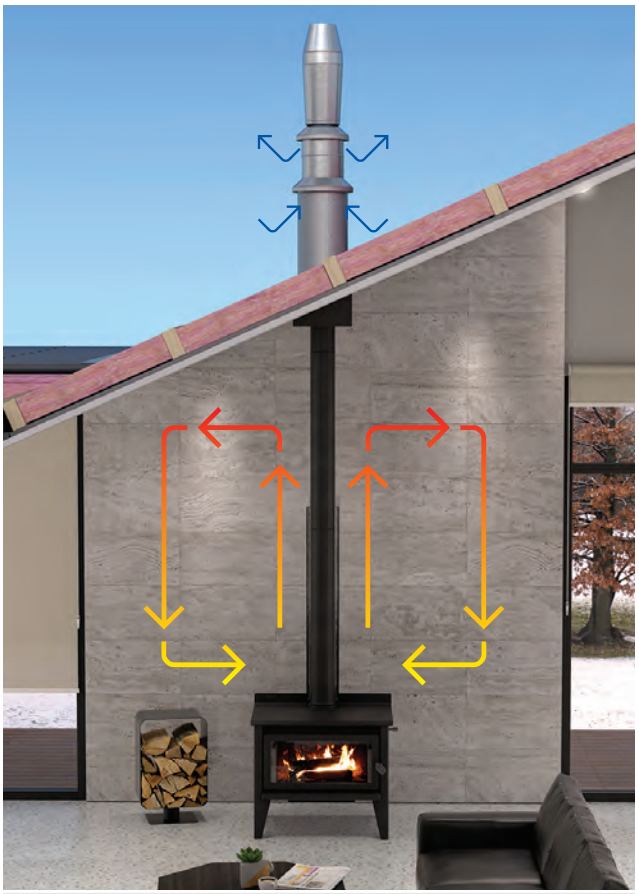
An ECO Flue Kit differs from a Standard Flue Kit due to the much higher efficiency it operates at.

Flue systems require moving air between the liners to ensure the outer liners remain cool. A Metro ECO Flue Kit draws air from your homes ceiling cavity or from outside your home, unlike a Standard Flue Kit which draws air from the room heated by the wood fire.

Independent lab testing of a Standard Flue Kit showed the warm air being drawn from the room at an astounding rate of 450 litres per minute.

The warm air being lost is then replaced by cooler air drawn into the room at the same rate, from other parts of the home causing a constant incoming draught. This requires your wood fire to be operated at a higher burn rate and using more firewood to continually heat the incoming cooler air.

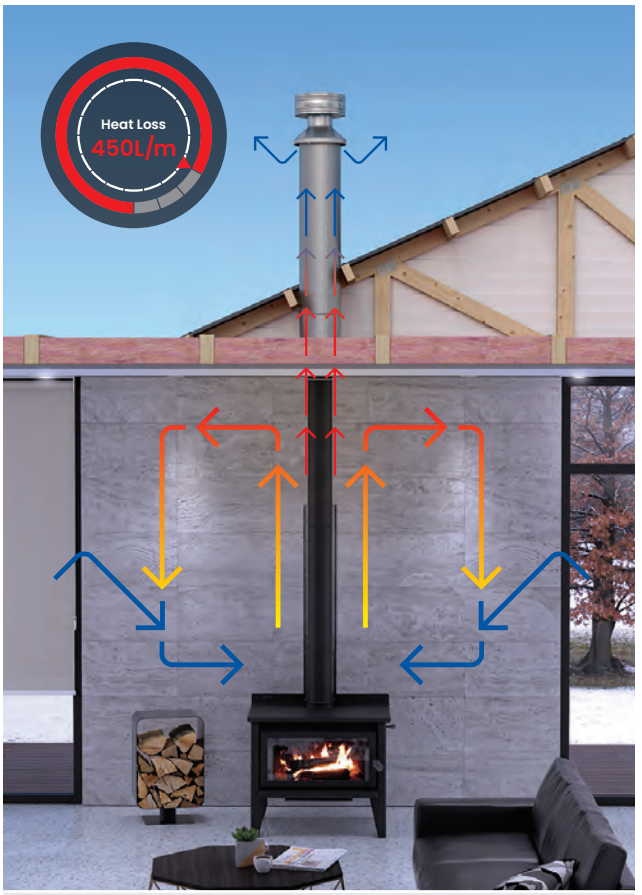
As Standard Flue Kit liners are open from inside the home to the outside environment, you may also notice wind noise inside the home on windy days.



Metro ECO Flue Kit + ECO Option Kit

The ECO Option Kit is an additional kit installed with the ECO Flue Kit for homes that don't have a vented ceiling cavity or homes that feature a sloping ceiling.

Ventilation is drawn into the flue liners from outside the home allowing the heat generated by your wood fire to remain inside your home.



Standard Flue Kit

Ventilation for a Standard Flue Kit is drawn into the flue liners from the room being heated by your wood fire. This lost warm air is then replaced by cooler air drawn into the room from other parts of the home at the same rate causing a constant incoming draught.

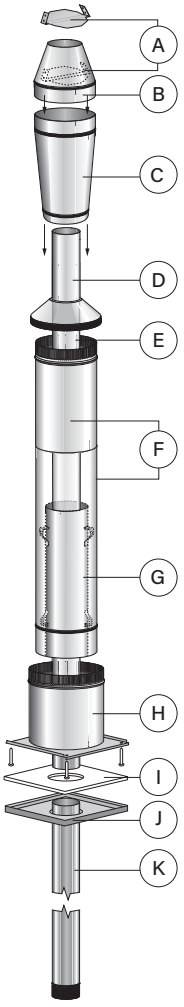
ECO flue kit components

ECO Flue Kit

G SS

Suitable for freestanding wood fires installed into a home with a vented ceiling cavity.

A	1 x stainless steel weather butterfly
B	1 x stainless steel ECO Cowl top
C	1 x 420mm x 240mm diameter stainless steel ECO Cowl housing
D	1 x 480mm long stainless steel flue pipe extension with flashing cone
E	1 x 1200mm x 150mm diameter stainless steel flue pipe
F	1 x 1200mm x 250mm diameter galvanised outer casing with 750mm long slip section
G	1 x 800mm x 200mm diameter galvanised inner casing
H	1 x galvanised mounting plate with brackets and 300mm long x 300mm diameter casing attached
I	1 x insulation gasket
J	1 x black clip-on ceiling plate
K	2 x 1200mm lengths of 150mm diameter stainless steel flue pipe painted metallic black
+	1 x bag of assembly bolts

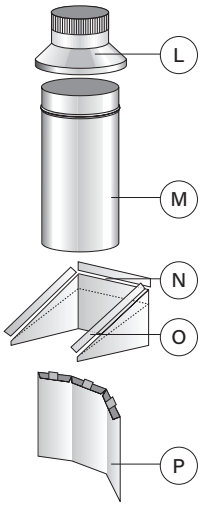


ECO Option Kit

G SS

An additional kit installed with the ECO flue kit for homes that don't have a vented ceiling cavity or homes that feature a sloping ceiling.

L	External intake flashing cone
M	1 x 780mm x 300mm diameter galvanised outer casing
N	Dropbox infill panel
O	Dropbox edge covers
P	Ceiling plate mounted heat shield

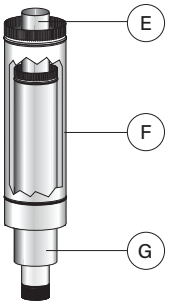


ECO Extension Kit

G SS

Suitable for extending all Metro flue systems within the roof space and outside the home.

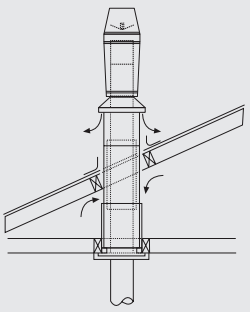
E	1 x 1200mm x 150mm diameter stainless steel flue pipe
F	1 x 1200mm x 250mm diameter galvanised outer casing
G	1 x 1200mm x 200mm diameter galvanised inner casing



Single storey installation

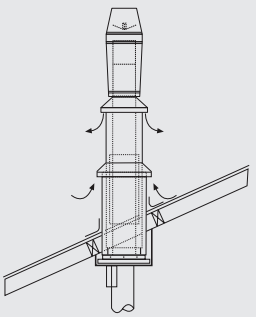
Shown (right) are the most common installation methods for installing the Metro ECO flue kit into a single storey home.

To ensure a safe and compliant installation, this flue system must be installed as detailed by either a registered installer, or someone competent in the installation of solid fuel appliances.



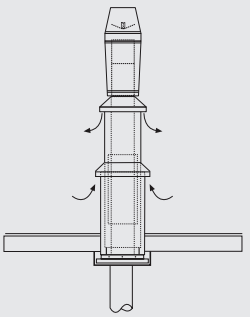
Flat ceiling/cavity

Requires the ECO flue kit as air is drawn into the flue system directly from the homes vented ceiling cavity.



Sloping ceiling

Requires the ECO flue kit and ECO option kit for air to be drawn into the flue system from outside the home.



Flat ceiling/roof

Requires the ECO flue kit and ECO option kit as per sloping ceiling unless a vented ceiling cavity exists.

G Galvanised outer casings

SS Stainless steel outer casings

All Metro ECO flue kits (excluding the Insert kits) are available with either galvanised or stainless steel outer casings. Stainless steel outer casings are recommended for all coastal installations and where a superior level of finish is required.

ECO Insert Kit

G

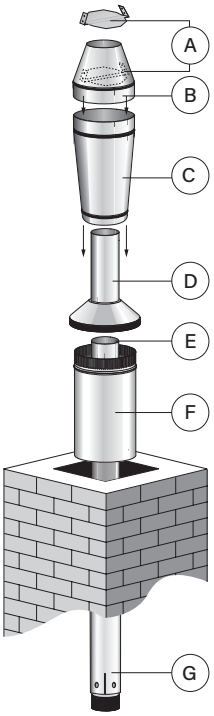
Suitable for the Smart and Trend Inserts when installed into a masonry chimney.

Ultra Insert Flue Kit

G

Required with the Ultra Insert when installed into a masonry chimney.

A	1 x stainless steel weather butterfly
B	1 x stainless steel ECO Cowl top
C	1 x 420mm x 240mm diameter stainless steel ECO Cowl housing
D	1 x 480mm long stainless steel flue pipe extension with flashing cone
E	**(ECO Insert kit only)** 3 x 1200mm x 150mm diameter stainless steel flue pipe
E	**(Ultra Insert kit only)** 2 x 1200mm x 150mm diameter stainless steel flue pipe
F	1 x 600mm x 250mm diameter galvanised outer casing
G	**(Ultra Insert kit only)** 1 x 1300mm x 150mm diameter stainless steel flue pipe and liner



ECO Built-In Flue Kit

G SS

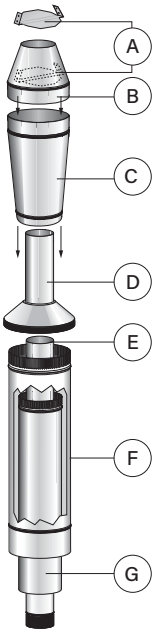
Required with all Metro Built-In fires and Metro Insert fires with a Vented Zero Clearance Cabinet (VZCC) when installed into a timber framed cavity (false chimney).

The Metro ECO Built-In kit comprises 3x ECO extension kits and an ECO Cowl.

Suitable for the following models:

- Smart Insert models + Smart VZCC
- Trend Insert + Trend VZCC
- Ultra Insert + Ultra VZCC
- Mega Smart Built-In

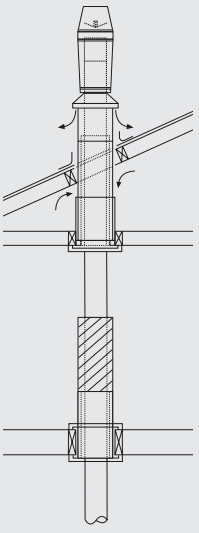
A	1 x stainless steel weather butterfly
B	1 x stainless steel ECO Cowl top
C	1 x 420mm x 240mm diameter stainless steel ECO Cowl housing
D	1 x 480mm long stainless steel flue pipe extension with flashing cone
E	3 x 1200mm x 150mm diameter stainless steel flue pipe
F	3 x 1200mm x 250mm diameter galvanised outer casing
G	3 x 1200mm x 200mm diameter galvanised inner casing



Two storey installation

Shown (right) are the most common installation methods for installing the Metro ECO flue kit into a two storey home.

To ensure safe and compliant installation, this flue system must be installed as detailed by either a registered installer, or someone competent in the installation of solid fuel appliances.

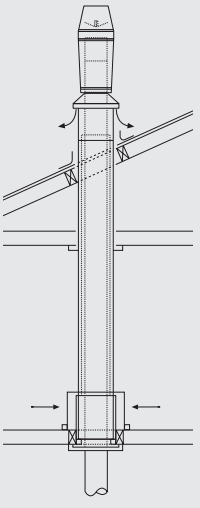


2nd floor exposed flue pipe

Requires the ECO flue kit with additional lengths of 150mm flue pipe.

Additional components below are not supplied by Metro Fires but are also required for this type of installation in accordance with AS/NZS 2918.

- A floor penetration kit
- 1 x 1200mm long mesh/screen



2nd floor enclosed flue pipe

Requires the ECO flue kit with additional lengths of 150mm flue pipe.

Additional components below are not supplied by Metro Fires but are also required for this type of installation in accordance with AS/NZS 2918.

- 200mm and 250mm inner/outer combination liners
- 2nd floor vent cover and additional ceiling plate with a 250mm diameter hole

Floor protectors

Wall and corner options

All Metro freestanding fires only require an ash hearth floor protector to comply with the minimum floor protector requirements of the AS/NZS 2918 Standard.

Pioneer floor protectors offer a ready-made solution in a range of styles and sizes that can be laid directly over any flooring substrate (carpet, vinyl, timber etc) for quick and easy installation.

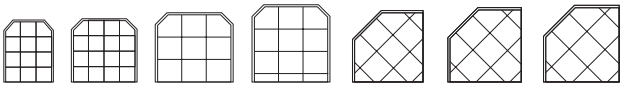
- Quick and easy installation
- Lay over any flooring substrate
- Ash hearth floor protectors
- Compliant with AS/NZS 2918

TILE OPTIONS

Pine and rimu trim floor protectors are available in a range of tile colours. See instore for samples.

Alloy trim floor protectors

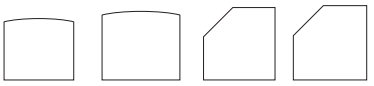
- Anodised black extruded aluminium trim
- Black tiles
- Tapered corners feature on the wall sizes
- 30mm thickness
- Available in 4 wall sizes and 3 corner sizes



Tiny Small Medium Deep 1000 1150 1300

Slimline floor protectors

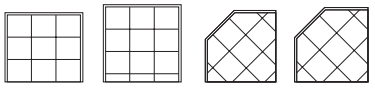
- Lightweight aluminium sheet
- Black powder coat finish
- Soft radius front featured on the wall sizes
- 3mm low profile thickness
- Available in 2 wall sizes and 2 corner sizes



Small Medium 1000 1150

Pine trim floor protectors

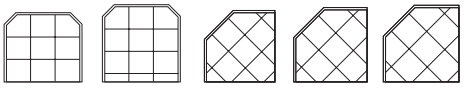
- Pine timber trim in a range of tile options
- Square corners feature on the wall sizes
- Trim is finished with a natural stain, waxed and polished
- 25mm thickness
- Available in 2 wall sizes and 2 corner sizes



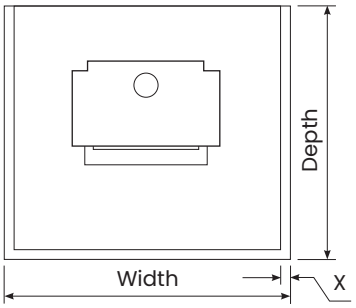
Medium Deep 1000 1150

Rimu trim floor protectors

- Rimu timber trim in a range of tile options
- Tapered corners feature on the wall sizes
- Trim is finished with a natural stain, waxed and polished
- 40mm thickness
- Available in 2 wall sizes and 3 corner sizes



Medium Deep 1000 1150 1300

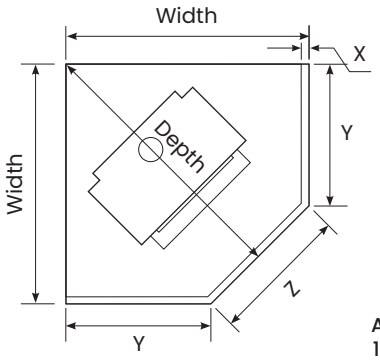


Wall installation

When calculating the floor protector your heating appliance requires, trim measurement 'X' must be deducted from your calculations for any timber trim floor protector. The ash hearth floor protector is specified as the 'non combustible' area of the floor protector.

Wall floor protectors	Alloy Tiny	Alloy Small	Alloy Medium	Alloy Deep	Slimline Small	Slimline Medium	Pine Medium	Pine Deep	Rimu Medium	Rimu Deep
Width	650	855	1042	1042	855	1042	955	955	980	980
Depth	830	840	1015	1148	840	1015	935	1085	945	1100
X Dimension (trim)	-	-	-	-	-	-	23	23	35	35
Tiny Ped	●	●	●	●	●	●	●	●	●	●
Tiny Rad	●	●	●	●	●	●	●	●	●	●
Tiny Rad Woody	●	●	●	●	●	●	●	●	●	●
Wee Rad - Base			●	●		●	●	●	●	●
Wee Rad - Leg		●	●	●	●	●	●	●	●	●
Wee Rad - Woody			●	●		●	●	●	●	●
Wee Ped		●	●	●	●	●	●	●	●	●
Rad Plus			●	●		●	●	●	●	●
Ambie One		●	●	●	●	●	●	●	●	●
Ambie Plus			●	●		●		●		●
Xtreme Rad - Base & Leg			●	●		●	●	●	●	●
Xtreme Rad - Woody			●	●		●	●	●	●	●
Xtreme Ped			●	●		●	●	●	●	●
Mega Rad			●	●		●				
Ultra Tiny Rad			●	●		●	●	●	●	●
Ultra Wee Rad		●	●	●	●	●	●	●	●	●
Ultra Xtreme Rad			●	●		●	●	●	●	●
LTD Wee Rad - Base		●	●	●	●	●	●	●	●	●
LTD Wee Rad - Leg		●	●	●	●	●	●	●	●	●
LTD Wee Rad - Woody			●	●		●	●	●	●	●
LTD Rad Plus			●	●		●	●	●	●	●
LTD Xtreme Rad - Base & Leg			●	●		●	●	●	●	●
LTD Xtreme Rad - Woody			●	●		●	●	●	●	●
LTD Mega Rad			●	●		●				

Dimensions shown are nominal only and are in millimetres (mm). All suitable floor protector indications include a 10mm minimum skirting board allowance.



Corner installation

When calculating the floor protector your heating appliance requires, trim measurement 'X' must be deducted from your calculations for any timber trim floor protector. The ash hearth floor protector is specified as the 'non combustible' area of the floor protector.

Corner floor protectors	Alloy 1000	Alloy 1150	Alloy 1300	Slimline 1000	Slimline 1150	Pine 1000	Pine 1150	Rimu 1000	Rimu 1150	Rimu 1300
Width	1000	1150	1300	1000	1150	1000	1150	1000	1150	1300
Depth	1180	1310	1493	1180	1310	1180	1310	1180	1310	1525
X Dimension (trim)	-	-	-	-	-	23	23	35	35	35
Y Dimension	670	700	814	670	700	670	700	670	700	863
Z Dimension	465	640	689	465	640	465	640	465	640	619
Tiny Ped	●	●	●	●	●	●	●	●	●	●
Tiny Rad	●	●	●	●	●		●		●	●
Tiny Rad Woody	●	●	●	●	●	●	●	●	●	●
Wee Rad - Base		●	●		●		●		●	●
Wee Rad - Leg	●[1]	●	●	●[1]	●		●		●	●
Wee Rad - Woody		●	●		●		●			●
Wee Ped	●[2]	●	●	●[2]	●		●		●	●
Rad Plus	●[1]	●	●	●[1]	●	●[1]	●	●[1]	●	●
Ambie One	●	●	●	●	●	●	●	●	●	●
Ambie Plus			●							●
Xtreme Rad - Base & Leg		●	●		●		●		●	●
Xtreme Rad - Woody		●	●		●					●
Xtreme Ped		●	●		●		●		●	●
Mega Rad			●							●
Ultra Tiny Rad	●[1]	●	●	●[1]	●		●		●	●
Ultra Wee Rad		●	●		●		●		●	●
Ultra Xtreme Rad		●	●		●		●		●	●
LTD Wee Rad - Base		●	●		●		●		●	●
LTD Wee Rad - Leg	●	●	●	●	●		●		●	●
LTD Wee Rad - Woody		●	●		●		●			●
LTD Rad Plus	●[1]	●	●	●[1]	●	●[1]	●	●[1]	●	●
LTD Xtreme Rad - Base & Leg		●	●		●		●			●
LTD Xtreme Rad - Woody		●	●		●					●
LTD Mega Rad			●							●

1 This model must have the Pioneer corner wing shields fitted to be able to be installed onto this size floor protector.
2 This model must have the Pioneer flue shield side extensions fitted to be able to be installed onto this size floor protector.

Wetback water heating

Almost all Metro fires can be fitted with a wetback to assist with your households hot water requirements and reduce your energy costs.

A wetback works on the thermosiphon principle - warm water rises and cooler water falls, creating a natural flow through the wetback circuit. A minimum gradient of 1:12 for the hot water supply pipe from wetback to hot water cylinder is required for the water to naturally circulate.

The hot water cylinder should be close to the wood fire to minimise heat loss. Performance of a wetback system can be affected by the quality and type of fuel being burnt, the amount of time the fire is operating, the distance between the fire and hot water cylinder and the air control setting. It is beneficial to find a plumber who is experienced with wetback installation to maximise all efficiencies.

Typically, the hotter the fire burns, the more hot water the wetback will produce. To optimise hot water production, a heat transfer system to transfer excess heat from the living area to the remainder of the home will encourage a higher fire setting for longer periods. In return this will result in a fantastic ambient throughout your home and more hot water being generated by the wetback.

It is a good idea to contact your local building consent authority for any particular requirements or advice they may have about wetbacks. You will need a building consent to install a wetback and the work must be carried out by a certifying plumber to meet the National Standard AS/NZS 3500.

System options

Types of water heater pressure systems

'Direct' open circuit systems (low pressure) are more efficient than 'Indirect' closed loop systems (mains pressure) where the heated water has to pass through a coil (heat exchanger) to transfer energy from the wetback into the potable water within the storage tank. Low pressure copper wetback cylinders are New Zealands traditional wetback hot water cylinder but there are now more 'Indirect' systems being installed as mains pressure systems are now very popular.

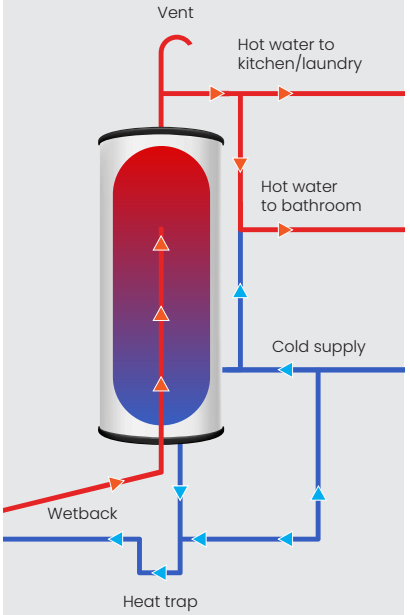
'Direct' wetback circuit

- **Low pressure supply**
- **Low pressure storage**
- **Copper storage tank**

All water is low pressure. The system is either gravity fed by a header tank in the ceiling or a pressure reducing regulator is required to lower the water pressure in the system.

As water is heated in the fire's wetback, it rises within the low pressure copper cylinder. Cold water then replaces the rising hot water within the circuit. This cycle continues until the cylinder is heated. This type of system is a 'direct' open system, meaning the water used in the home is running through the circuit and wetback system.

Pressure created by the rising temperature is vented through an open pipe, usually above the roof of the home, instead of a temperature pressure relief valve (TPR valve).



'Indirect' wetback circuit

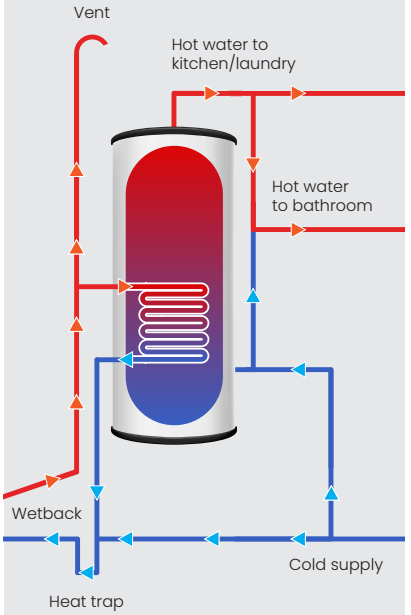
- **Mains pressure supply**
- **Mains pressure storage**
- **Enamel or stainless steel tank**

All consumable water is high pressure, but the heating circuit is open vented low pressure.

While the home uses mains pressure, the wetback circuit is a separate low pressure system where the energy is transferred into the mains pressure hot water tank via a coil (heat exchanger).

This system works in a similar way to the low pressure copper cylinder but uses a closed water circuit between the wetback fire and cylinder. As water is heated, it rises through this circuit and through a coil in the cylinder. Heat is transferred via this coil into the useable water in the cylinder.

A storage tank with a long heat exchange coil is therefore far more efficient than a tank with a short coil.



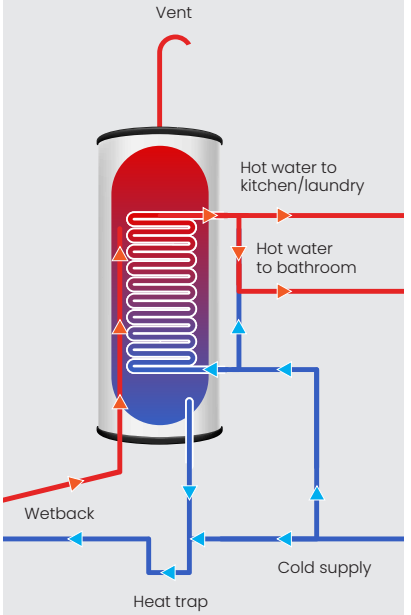
'Direct' wetback circuit

- **Indirect mains pressure supply**
- **Low pressure storage**
- **Copper storage tank**

This system is not as common but has benefits over other systems by not having any significant storage volume of potable water.

The system operates like an instantaneous heater where the filled tank is simply a heating medium where heat is transferred into the mains pressure water as it flows through a long coil within the tank.

These systems need to be sized correctly to ensure there is sufficient capacity to heat the water as it flows through the inner heating pipe. Just like an instantaneous heater if water flows too fast through the heater it will cool off until such time the flow reduces, and time allows energy to re-absorb back into the water being heated.



Please note: Wetback system design and all plumbing work must be completed by a certifying plumber to meet the national standard AS/NZS 3500.
Hot water supply via a wetback system must be tempered to ensure safe operating temperatures to all fittings and fixtures.

Metro wetback options

Clean air approved models	Wetback		Wetback
 Tiny Ped	2kW	 Xtreme Rad Woody	3kW
 Tiny Rad	2kW	 Xtreme Ped	3kW
 Tiny Rad Woody	Side	 Ambie One*	3kW
 Wee Rad Base	Side	 Ambie Plus	3kW
 Wee Rad Leg	Side	 Mega Rad	3kW
 Wee Rad Woody	Side	 Smart Insert	Smart
 Wee Ped	Side	 Smart Built-In	Smart
 Rad Plus	Side	 Trend Insert*	3kW or 4kW
 Xtreme Rad Base	3kW	 Trend Built-In*	3kW or 4kW
 Xtreme Rad Leg	3kW	 Mega Smart Built-In	Mega Smart

*Wetback options are only available for the Ambie One and Trend Insert models when installed on a property with a land size of 2 hectares or larger.

LTD rural models (2Ha+)	Wetback		Wetback
 LTD Wee Rad Base	3kW or 4kW	 LTD Xtreme Rad Leg	3kW or 4kW
 LTD Wee Rad Leg	3kW or 4kW	 LTD Xtreme Rad Woody	3kW or 4kW
 LTD Wee Rad Woody	3kW or 4kW	 LTD Mega Rad	3kW or 4kW
 LTD Rad Plus	Side	 LTD Smart Insert	Smart
 LTD Xtreme Rad Base	3kW or 4kW	 LTD Smart Built-In	Smart


2kW wetback


3kW wetback


4kW wetback


Side wetback


Smart wetback


Mega Smart wetback

Heat transfer systems

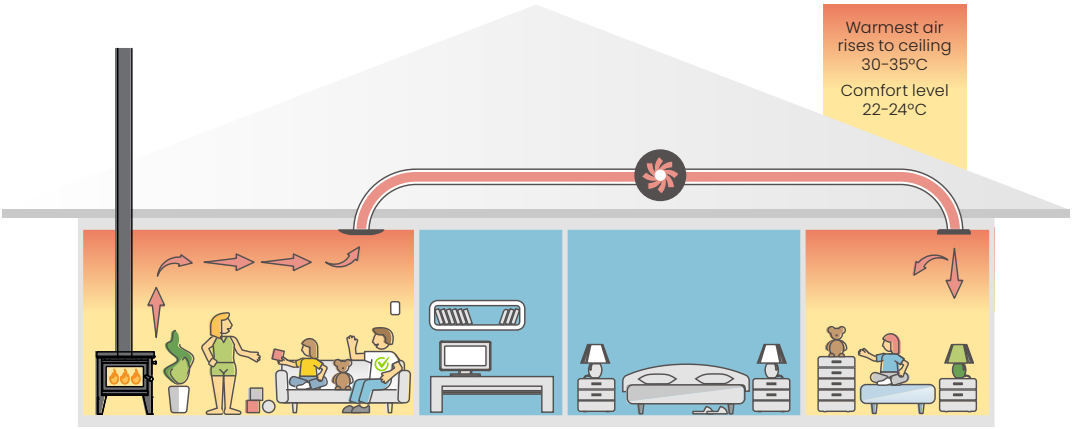
Metro heat transfer systems perfectly partner with your wood fire by distributing excess heat trapped at ceiling level via an insulated ducting system to spread warmth throughout your home.

The warm air then recirculates back towards the living area where the wood fire is located to keep a continual cycle of warm air moving throughout your home during winter.

A wood fire with a heat transfer system will create a dry, healthy environment and reduce condensation and dampness in your home.

1 room heat transfer ducted system

- Thermostat controller
- 1 speed inline fan
- Insulated ducting
- Max airflow - 320m³ per hour

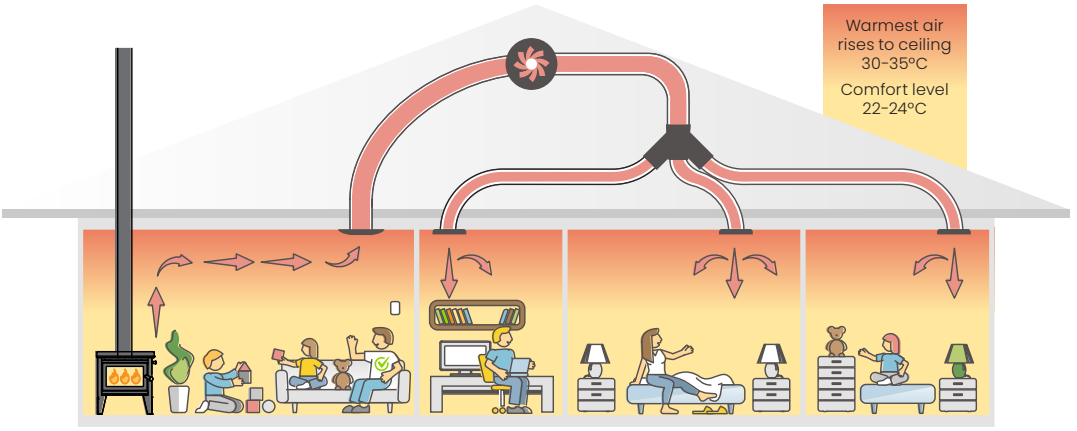


1 Room heat transfer ducted system components

• 1 x 150mm diameter intake • 1 x thermostat • 2 x 3m lengths of 150mm diameter insulated duct
• 1 x 150mm diameter inline fan • 1 x 150mm diameter adjustable cone outlet diffusers • 2 x rolls of ducting tape

3 room heat transfer ducted system

- LCD touch screen controller
- 3 speed fan mixed flow fan
- Max airflow - 910m³ per hour
- Insulated acoustic ducting
- Additional outlet options



3 Room heat transfer ducted system components

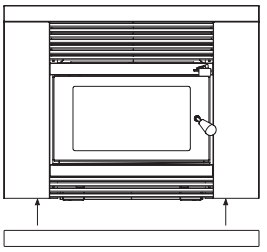
• 1 x 200mm diameter intake • 1 x LCD thermostat / 3 speed fan controller • 1 x 200mm diameter 3 speed fan module
• 2 x 3m lengths of 200mm diameter insulated acoustic duct • 1 x 3 way splitter • 3 x 3m lengths of 150mm diameter insulated duct
• 3 x 150mm diameter adjustable cone outlet diffusers • 4 x rolls of ducting tape

Insert and Built-In specifications

Metro Insert and Built-In models are tested to comply with AS/NZS 2918 incorporating Appendix 'E' when installed in accordance with the manufacturers Installation and Operation manuals and the applicable Vented Zero Clearance Cabinet installation manuals.

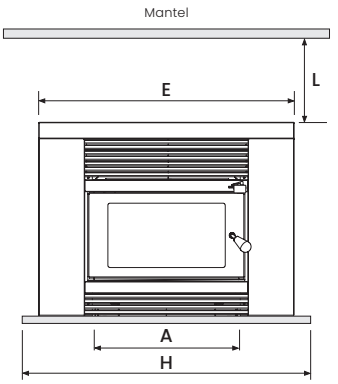
Installation of a Metro Insert into a Vented Zero Clearance Cabinet (VZCC) elevates the firebox and fascia by 45mm. To conceal this space you can construct a suitable floor protector or fit a fascia base rail. Fascia base rails are available in metallic black high temperature paint or black enamel finish to match the fascia. Fascia base rails are available for the Smart Insert and Ultra Insert models only.

Fascia base rail

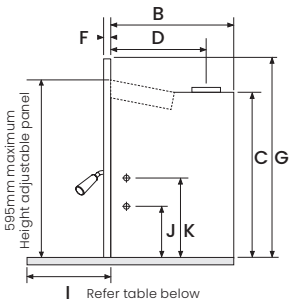


Fascia base rail (Smart model)

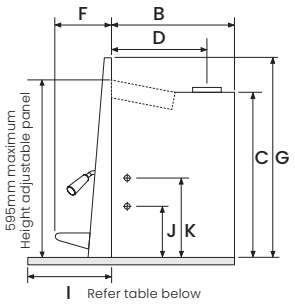
Mantel clearance



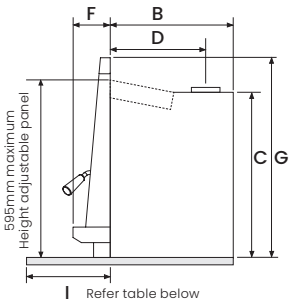
Smart Insert models



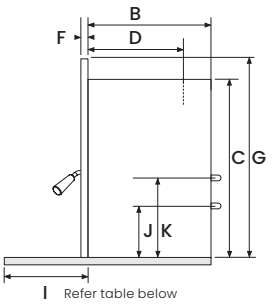
Trend Insert



Ultra Insert



Mega Smart Built-In



Clean air approved models	FIREBOX WIDTH	FIREBOX DEPTH	FIREBOX HEIGHT	FLUE CENTRE	FASCIA WIDTH	FASCIA DEPTH	FASCIA HEIGHT	MINIMUM HEARTH WIDTH	MINIMUM HEARTH PROJECTION	WETBACK INLET	WETBACK OUTLET	MANTEL CLEARANCE
	A	B	C	D	E	F	G	H	I	J	K	L
Smart Insert	560	495	550	405	890	30	672	890	312*	130	325	475
Smart Built-In	693 [1]	566 [1]	695 [1]	405	890	30	672	890	460	175	370	460
Trend Insert	560	500	550	405	810	185	650	825	300	170	360	340
Trend Built-In	693 [1]	625 [1]	695 [1]	405	810	185	650	825	300	215	405	340
Mega Smart Built-In	860	631	814	445	1057	30	822	1057	505	212	402	500

Ultra low emission models

	A	B	C	D	E	F	G	H	I	J	K	L
Ultra Insert	580	530	550	405	810	120	654	825	300*	-	-	500
Ultra Built-In	690 [1]	623 [1]	704 [1]	405	810	120	654	825	440	-	-	450

LTD rural models

	A	B	C	D	E	F	G	H	I	J	K	L
LTD Smart Insert	560	495	550	405	890	30	672	890	312*	130	325	475
LTD Smart Built-In	693 [1]	566 [1]	695 [1]	405	890	30	672	890	460	175	370	460

Please note: All measurements detailed above are in millimetres (mm). Insert model measurements exclude the 13mm insulating blanket.

(1) These dimensions are for the Vented Zero Clearance Cabinet and include the spacer blocks fitted. Flue spigot liner assembly is not included in the dimensions.

Floor protector (hearth) requirements

The floor protector must project from behind the fascia the distance specified in the tables below and must extend a minimum of 200mm from each side of the firebox door opening. The minimum projection is the distance from the front of the wall lining (behind the fascia) to the front non combustible point of the floor protector.

If the Insert model floor protector is installed flush with the surrounding floor level (0mm), it must project the minimum distance detailed in the table below. The table of projections listed for heights of 0mm to 50mm can be achieved by the thickness of the floor protector, elevating the Insert model or a combination of both.

Floor protector (hearth) type

The floor protector construction your Insert or Built-In model requires is dependent upon the installation type and the flooring substrate in front of the fire.

The recommended construction for an ash hearth floor protector is tiles on 6mm thick non-combustible board or any non-combustible material fixed directly to a combustible floor is also acceptable.

The recommended construction for an Insulated hearth is tiles on 26mm thick Eterpan LD board or equivalent.

Mantel clearance

A timber or combustible mantel above the fireplace opening should be a minimum distance above the top of the Metro's fascia as detailed in the table (L).

If the clearance is less than the minimum specified, a heat shield will be required under the mantel using the relevant detail in AS/NZS 2918.

Wetback capable models

Smart Insert models (Smart wetback)
Fits to left or right hand side of the firebox externally.

Trend Insert (3 or 4kW wetback)
This model can only be fitted with a wetback on properties with a land area of 2Ha or greater. Fits to left or right hand side of the firebox internally.

Mega Smart Built-In (Mega Smart wetback)
Fits to left or right hand side of the firebox externally.

Floor protector (hearth) type	INSERT INSTALLATION (ALL FLOOR TYPES)	BUILT-IN INSTALLATION (COMBUSTIBLE FLOOR)	BUILT-IN INSTALLATION (NON COMBUSTIBLE FLOOR)	MINIMUM HEARTH WIDTH (H)	MINIMUM HEARTH PROJECTION (I)
Smart Insert	Insulated hearth			890	312*
Smart Built-In		Insulated hearth	Ash hearth	890	460
Trend Insert	Ash hearth			825	300
Trend Built-In		Insulated hearth	Ash hearth	825	300
Mega Smart Built-In		Insulated hearth	Ash hearth	1057	505
Ultra Insert	Insulated hearth			825	300*
Ultra Built-In		Insulated hearth	Ash hearth	825	440
LTD Smart Insert	Insulated hearth			890	312*
LTD Smart Built-In		Insulated hearth	Ash hearth	890	460

* If the Insert model floor protector is installed flush with the surrounding floor level (0mm), it must project the minimum distance detailed in the table below. The table of projections for heights of 0mm to 50mm can be achieved by the thickness of the floor protector, elevating the Insert model or a combination of both.

Height above floor level (mm)	0	10	15	20	25	30	35	40	41	50
Smart Insert	395	371	371	353	353	332	332	312	312	-
Ultra Insert	402	378	-	360	-	339	-	320	-	300
LTD Smart Insert	395	371	371	353	353	332	332	312	312	-

Freestanding specifications

All Metro freestanding fires have been tested and approved to AS/NZS 2918 with a ceiling height of 2.4m (+/-0.1m) with a Pioneer double flue shield fitted*. Minimum installation clearances are detailed in millimetres (mm). Refer to the Installation manual for your Metro fire for full specifications.

All clearances are measured from the following reference points as illustrated in the diagrams opposite.

- The nearest combustible wall or surface (A, B, D, E, G, H)
- The Metro's flue centre (A, B, C, D)
- The Metro's cabinet/heatshield outermost point (E, F, G, H)
- The edge of the ash floor protectors non-combustible surface (C, F, I, J, K, L, M).

AS/NZS 2918 allows for a reduction in minimum clearances as detailed in Tables 3.1 and 3.2 of the Standard. Selected Metro models have undergone additional testing for reduced installation clearances. See the table footnotes.

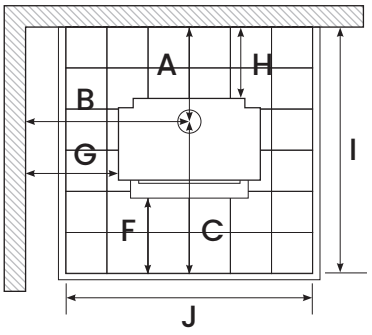
Wetback connection heights (N and O) are detailed in millimetres. Wetback centres are measured to the left of the flue centre when facing the Metro fire/wall as follows:

- Tiny Ped and Tiny Rad 92mm
- Tiny Rad Woody 184mm
- Wee Series clean air approved models 226mm
- Rad Plus and LTD Rad Plus 206mm
- All other wetback capable models 140mm

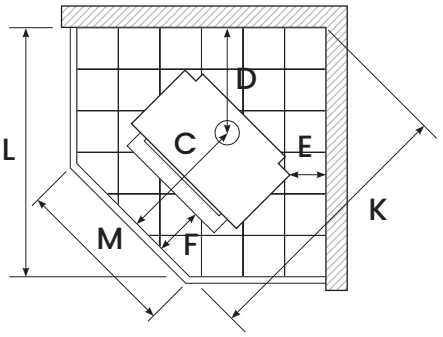
Clean air approved models

Model		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	WIDTH	DEPTH	HEIGHT
	Tiny Ped	211	433	580	290	25	235	185	60	791	650	990	780	250	280	470	496	492	659
	Tiny Rad	230	553	585	419	150	232	300	75	815	650	1180	910	250	280	470	505	508	667
	Tiny Rad Woody	251	568	580	382	110	232	310	100	831	650	1120	870	250	365	555	515	498	758
	Wee Rad Base	271	678	580	486	180	232	370	120	851	825	1270	1048	425	295	485	615	501	691
	Wee Rad Leg (1)	251	568	580	456	150	232	260	100	831	825	1225	1016	425	295	485	615	501	688
	Wee Rad Woody	271	708	580	506	200	232	400	120	851	825	1295	1066	425	365	555	615	501	758
	Wee Ped (2)	263	651	580	473	170	230	350	110	843	825	1250	1034	425	295	485	602	503	665
	Rad Plus (3)	285	612	608	450	170	240	350	100	893	775	1244	1013	375	530	720	525	553	961
	Xtreme Rad Base	251	650	630	458	100	227	280	100	881	907	1280	1084	507	312	502	740	554	743
	Xtreme Rad Leg	251	650	630	458	100	227	280	100	881	907	1280	1084	507	312	502	740	554	743
	Xtreme Rad Woody	251	680	630	478	120	227	310	100	881	907	1306	1103	507	382	572	740	554	813
	Xtreme Ped	251	624	630	442	110	226	280	100	881	907	1260	1070	507	312	502	688	554	707
	Ambie One	250	539	589	392	100	275	250	100	839	825	1142	960	427	350	540	577	464	720
	Ambie Plus	267	686	658	462	125	275	350	100	925	906	1315	1109	506	360	550	671	550	762
	Mega Rad	285	720	728	497	100	224	300	130	1013	1006	1435	1229	606	300	490	840	659	744

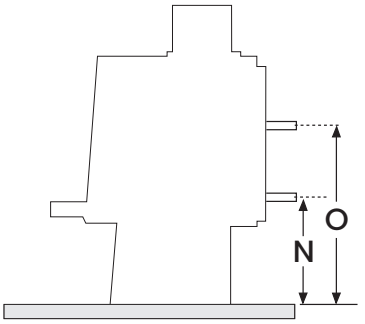
Wall clearances



Corner clearances



Wetback connections



* Rad Plus and LTD Rad Plus models must be installed with the Pioneer 900mm double flue shield.
All specifications are correct and current at time of printing, but may alter and those detailed should be used as a guide only.
Specifications are subject to change without notification. If in doubt please consult your local Metro Fires agency or visit metrofires.co.nz.

Ultra low emission models

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	WIDTH	DEPTH	HEIGHT
Ultra Tiny Rad (4)	280	578	611	430	160	233	320	110	891	725	1220	977	325	-	-	515	547	688
Ultra Wee Rad (5)	268	658	580	497	190	232	350	100	848	825	1285	1059	425	-	-	615	515	691
Ultra Xtreme Rad	277	635	632	450	100	227	280	100	909	907	1267	1075	507	-	-	710	582	722

LTD rural models

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	WIDTH	DEPTH	HEIGHT
LTD Wee Rad Base	251	658	580	486	180	232	350	100	831	825	1270	1048	425	300	490	615	501	691
LTD Wee Rad Leg	251	548	580	426	120	232	240	100	831	825	1185	989	425	295	485	615	501	688
LTD Wee Rad Woody	271	708	580	506	200	232	400	120	851	825	1295	1066	425	365	555	615	501	758
LTD Rad Plus (3)	285	612	608	450	170	240	350	100	893	775	1244	1013	375	530	720	525	553	961
LTD Xtreme Rad Base	251	650	630	458	100	227	280	100	881	907	1280	1084	507	350	540	740	554	743
LTD Xtreme Rad Leg	251	650	630	458	100	227	280	100	881	907	1280	1084	507	350	540	740	554	743
LTD Xtreme Rad Woody	251	680	630	478	120	227	310	100	881	907	1306	1103	507	420	610	740	554	813
LTD Mega Rad	285	720	728	497	100	224	300	130	1013	1006	1435	1229	606	300	490	840	659	744

(1) Wee Rad (Leg) corner clearance (E) can be reduced to 120mm with Corner Wing Shields fitted. This also reduces clearances (D) to 426mm, (K) to 1185mm and (L) to 987mm.
(2) Wee Ped corner clearance (E) can be reduced to 115mm if side extensions are fitted to the flue shield. This also reduces clearances (D) to 418mm, (K) to 1170mm and (L) to 978mm.
(3) Rad Plus corner clearance (E) can be reduced to 100mm with Corner Wing Shields fitted. This also reduces clearances (D) to 380mm, (K) to 1145mm and (L) to 942mm.
(4) Ultra Tiny Rad corner clearance (E) can be reduced to 125mm with Corner Wing Shields fitted. This also reduces clearances (D) to 396mm, (K) to 1171mm and (L) to 943mm.
(5) Ultra Wee Rad corner clearance (E) can be reduced to 165mm with Corner Wing Shields fitted. This also reduces clearances (D) to 471mm, (K) to 1245mm and (L) to 1031mm.

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