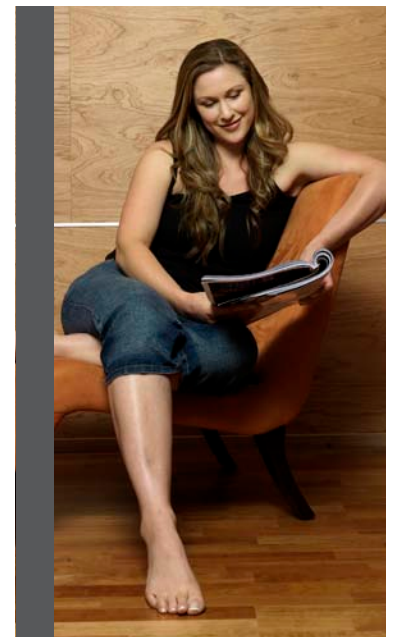
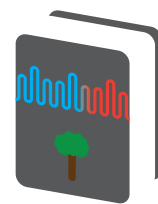




Woodpecker Pellet Boilers



New Generation Woodpecker Boiler



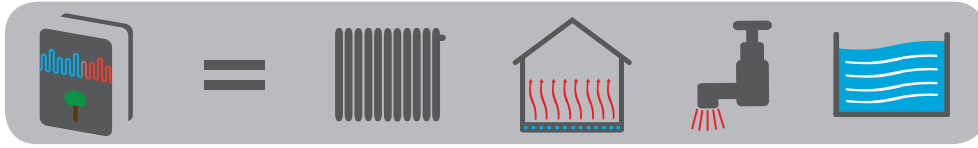
- This Clean Air approved appliance uses renewable fuel
- Self cleaning features
- Modulating - variable heat output
- Large automated hopper option
- Can be used for radiators, underfloor heating, domestic hot water, swimming pools etc



Central Heating
NEW ZEALAND

LIVE LIKE IT'S
SUMMER
ALL YEAR ROUND

Woodpecker Pellet Boilers

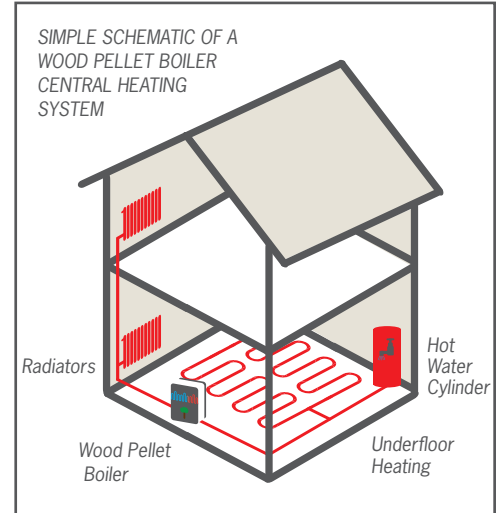


How does the Woodpecker Pellet Boiler heat my house?

The Woodpecker boiler heats water passing through the boiler which is pumped round either underfloor pipes or radiators or a coil in a hot water cylinder. It can also heat swimming pools. Transferring heat in this way is very efficient and silent; to transfer the same amount of heat as you can pumping 1 litre of water you would have to pump 1700 litres of air.

System Design

Woodpecker boilers have variable heat output which helps to avoid unnecessary stopping and starting and improves efficiency. They can also be used with thermal stores or buffer tanks which can improve system performance in certain situations. Boilers are usually placed in the garage or other weatherproof area. An outside weatherproof version is also available.



Clean burning & renewable fuel Bags or bulk delivery

The Woodpecker boiler is designed and tested to European Standard EN303-5 for solid fuel boilers. The flue emissions are well below the NZ Ministry of Environment and ECan standards. The wood pellet fuel used is renewable and made in New Zealand from timber processing waste.

The wood pellets are stored in a hopper and moved to the boiler via an automated auger; the combustion air is supplied by a fan; both controlled by a microprocessor. This means the fuel to air ratio can be set to minimise emissions and maximise efficiency.

The fuel can be manually loaded from bags into a 100kg hopper; a level sensor lets you know when it needs refilling. Alternatively cheaper bulk fuel deliveries into a larger hopper storing several tonnes of fuel, provide a higher level of automation.

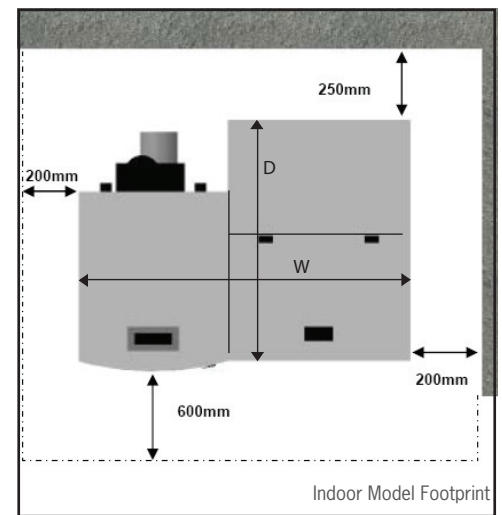
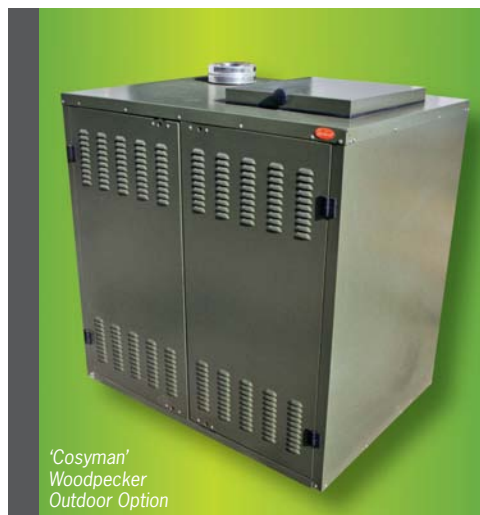
Self cleaning and ash removal

The boiler has a self cleaning of the heat exchanger and optional automatic ash removal system using an auger to remove the ash to a large container. Each tonne of pellets only produces 5kg of ash so it takes some time to fill the box.

Insulated flues

Woodpecker boilers can be supplied with insulated flues, made for the boiler, to prevent any condensation in the flue and improve the flue draught, necessary for good combustion.

NEW GENERATION	15kW - Indent Only	25kW	45kW - Indent Only
OUTPUT (kW's)	15	25	45
DIMENSIONS (W x H x D)	1150 x 1155 x 885	1150 x 1155 x 885	1253 x 1256 x 1095
EFFICIENCY	94%	94%	94%
WATER CONTENT	50 litres	50 litres	75 litres
WEIGHT (DRY)	205 kgs	205 kgs	510 kgs
FOOTPRINT	1155x885	1155x885	1253x1256
MAX PELLETT USE	3kg/hr	5kg/hr	9kg/hr
HOPPER SIZE	100kg	100kg	100kg



Systems supplied by:

The company named above is an approved supplier and/or installer of Central Heating New Zealand products.



Central Heating
NEW ZEALAND

11 Parkhouse Rd, Sockburn
PO Box 31-274, Christchurch.
Ph 03 357 1233. Fax 03 343 1236.
Email info@centralheating.co.nz
www.centralheating.co.nz