

# National list of authorised wood burners

This webpage provides a list of wood burners which have been tested and found to meet the national environmental standards at the date of testing. Specifically, all wood burners on this list have a discharge of less than 1.5 gram of particles for each kilogram of dry wood burnt [g/kg] and a thermal efficiency of at least 65%.

Burners that meet the national environmental standards (ie, those on this list) may be installed on properties less than two hectares, anywhere in New Zealand, unless more stringent regional rules apply. Regional rules for wood burners currently apply in Auckland, Nelson, Tasman, Canterbury and Otago. Regional rules for wood burners are currently proposed in Hawke's Bay. People wishing to install a burner in these regions are advised to consult their regional council for further information.

This national list includes only burners that have been authorised by Environment Canterbury and/or Nelson City Council. The authorisation process is where an engineer physically inspects the burner, reviews its testing, installation and operational documentation for compliance with the relevant regional air plan, and gives consideration to important matters such as tamperability.

In 2006/07 the Ministry for the Environment undertook a national performance review of wood burners (Phase 1 and Phase 2). In this performance review, randomly selected wood burners were tested to check whether they meet the national environmental standards. Moderate or serious failures that remain unresolved are temporarily suspended from this list. The results of both phases of the review are no longer displayed as a part of the list of authorised wood burners, but can be viewed as separate documents here:

- National Performance Review of Wood burners – Phase 1:

<http://www.mfe.govt.nz/publications/air/national-wood-burner-review-jun07/index.html>]

- National Performance Review of Wood burners – Phase 2:

<http://www.mfe.govt.nz/publications/air/national-wood-burner-review-phase2-apr08/index.html>]

Please refer to the [frequently asked questions on wood burners](#) for more information about the performance review.

The Ministry does not accept any liability arising from the list and will not pay compensation to anyone relying on this list in the event a woodburner is found to be non-complying and has to be removed. The Ministry encourages retailers to make purchasers aware of these caveats.

The list is updated periodically but it is not necessarily an exclusive list of all currently compliant models at any given time. If you would like to be notified of updates to the authorised list, or have any queries regarding wood burners, please email [woodburners@mfe.govt.nz](mailto:woodburners@mfe.govt.nz).

The Ministry recommends that only dry, seasoned wood (moisture content < 25%) be used. Do not burn painted or treated wood.

A list of [pellet burners](#) is also available.

List last updated on 8 March 2010.

### ***Quick links to manufacturers***

- [BBQ Factory](#)
- [Crighton Engineering](#)
- [Dallas Metal Industries Ltd](#)
- Glen Dimplex Australasia Limited
- Fireplace Limited
- [Hewitsons Ltd - Firenzo](#)
- [Lansdowne Resource Ltd](#)
- [Pioneer Manufacturing](#)
- Pyroclassic Fires Limited

- [Retail Links](#)
- [Tropicair Heating Ltd](#)
- [W H Harris Ltd](#)
- [Warmington Industries Ltd](#)
- [Yunca Gas](#)

**Key**

NT = Not fully tested in accordance with AS/NZS 4012 or 4013. Authorisation is based on test results for a similar appliance or indicative testing for this appliance, together with an opinion from the testing agency.

**BBQ Factory**

Appliance	Type	Authorised Fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Kent Astron CA	Freestanding	Dry Wood	No	NT	NT	05011	05011
Kent Geneva Max	Freestanding	Dry Wood	No	1.1	65		N0032
Kent Firenze CA	Freestanding	Dry Wood	No	NT	NT	05012	05012
Kent Kiwi Rad Clean Air	Freestanding	Dry Wood	No	1.2	70		N0017
Kent Logfire Max	Freestanding	Dry Wood	No	1.2	66		N0018
Kent Quantum Max Clean Air	Freestanding	Dry Wood	No	0.5	69	071799	071799
Kent Signature CA	Freestanding	Dry Wood	No	0.9	71	06002	06002
Kent Vision-165	Insert	Dry Wood	No	NT	NT	04009	04009

**Crighton Engineering**

Appliance	Type	Authorised Fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Jayline CS600	Freestanding	Dry Wood	No	1.1	65		N0036
Magnum P100	Freestanding	Dry Wood	No	1.1	68		N0015A
Magnum P300	Freestanding	Dry Wood	No	1.1	65		N0035

**Dallas Metal Industries Limited**

Appliance	Type	Authorised Fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Milan Ar'dore	Freestanding	Dry Wood	No	0.9	65	05007	05007
Milan Caldo Rustic Harmony Clean Air	Freestanding	Dry Wood	No	1.2	70		N0017A
Milan Harmony I/B C/A Harmony Series	Insert	Dry Wood	No	1.2	67		N0018A
Milan Caldo CA Harmony Series	Freestanding	Dry Wood	No	0.7	71	05008	05008
Milan Milano	Freestanding	Dry Wood	No	0.9	71	06001	06001
Milan Piccolo CA Harmony Series	Freestanding	Dry Wood	No	NT	NT	05010	05010

**Fireplace Limited**

Appliance	Type	Authorised Fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Quadra-Fire Millennium 4300 ACC	Freestanding	Dry Wood	No	0.4	71	083785	
Quadra-Fire Millennium 2100 ACC	Freestanding	Dry Wood	No	0.6	72	083786	

**Glen Dimplex Australasia Limited**

Appliance	Type	Authorised Fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Atlanta Bay	Freestanding	Dry Wood	No	1.1	77		03002
Logaire Minos	Freestanding	Dry Wood	No	1.2	76		N0006
Logaire Minos 2 Clean Air	Freestanding	Dry Wood	No	0.6	68	092858	
Hestia 2 Clean Air <sup>1</sup>	Freestanding	Dry Wood	No	0.6	66	083177	083177
Kronos Clean Air	Freestanding	Dry Wood	No	0.7	65	072521	072521
Masport F2000	Freestanding	Dry Wood	No	0.6	77	092857	

Masport F2200C	Freestanding	Dry Wood	No	0.8	71	102104	102104
Masport F3000	Freestanding	Dry Wood	No	0.6	69	092856	
Masport Grandview Series 3	Freestanding	Dry Wood	No	0.7	69	06006	06006
Masport LE 2000 Series 2	Freestanding	Dry Wood	No	0.7	71	06005	06005
Masport LE 3000 Series 3	Freestanding	Dry Wood	No	0.8	67	093485	
Masport LE 4000 Provincial <sup>2</sup>	Insert	Dry Wood	No	0.6	67	071591	071591
Masport Talisman	Freestanding	Dry Wood	No	1.0	73	05014	05014
Masport Toronto	Freestanding	Dry Wood	No	0.9	70	06004	06004
Masport Verona	Freestanding	Dry Wood	No	0.8	68	02001	02001
Osburn 1600 (Dry) <sup>*</sup>	Freestanding	Dry Wood	No	0.7	70	090550	090550
Osburn 1600	Freestanding	Dry Wood	Yes	0.9	72	06012	01006

**Hewitsons Limited - Firenzo**

Appliance	Type	Authorised Fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Athena Bay AG	Insert	Dry Wood	No	1.0	74	05005	N0010
Athena Flush AG08	Insert	Dry Wood	No	NT	NT	091593	
Bronte AG (rear outlet)	Freestanding	Dry Wood	Yes	1.0	70	05016	05016
Bronte AG (top outlet)	Freestanding	Dry Wood	No	1.0	76	72377	N0012
Contessa AG – Clean Air	Freestanding	Dry Wood	Yes	0.9	66	093219	
Contessa AG – Clean Air	Freestanding	Dry Wood	No	1.0	73	093218	
Contessa Urban	Freestanding	Dry Wood	No	1.0	67		N0026
Dante Urban	Freestanding	Dry Wood	No	1.1	74		N0029
Deco Urban SD	Insert	Dry Wood	No	1.3	67		N0028
Firenzo Athena Aqualux AG	Insert	Dry Wood	Yes	1.0	66	102108	102108

\* Note: In the April 2009 *Consumer* magazine Osburn 1600 (Dry) was listed as one of the most efficient wood burners. This was however due to a typing error on the list, which has now been corrected. An erratum has since been issued by *Consumer*.

Firenzo Forte Aqualux AG	Insert	Dry Wood	Yes	1.0	66	102107	102107
Firenzo Royale AG (with or without fan)	Freestanding	Dry Wood	No	0.9	70	092965	092965
Forte Bay AG	Insert	Dry Wood	No	1.0	74	05005	N0011
Forte Flush AG08	Insert	Dry Wood	No	0.9	69	090133	
Lady Kitchener AG Clean Air	Freestanding	Dry Wood	Yes	0.4	65	05001	05001
Lady Kitchener AG08 - Dryback	Freestanding	Dry Wood	No	0.5	73	093220	093220
Lady Kitchener Urban	Freestanding	Dry Wood	No	NT	NT		N0027
Lady Kitchener Urban	Freestanding	Dry Wood	Yes	1.4	74		N0027
Plaza Urban SD	Insert	Dry Wood	No	1.3	67		N0030

#### ***Lansdowne Resource Limited***

Appliance	Type	Authorised Fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Ethos Ares (with flue shield) <sup>†</sup>	Insert	Dry Wood	No	0.3	67	03001	03001
Ethos Asteria	Freestanding	Dry Wood	No	NT	NT	083240	
Ethos Genesis	Freestanding	Dry Wood	No	0.6	72	02010	02010
Ethos Helios	Freestanding	Dry Wood	No	NT	NT	083239	
Ethos Hera	Freestanding	Dry Wood	No	NT	NT	083238	
Ethos Phoenix	Freestanding	Dry Wood	No	0.6	72	091862	04001
Ethos Aquos FS100W	Freestanding	Dry Wood	Yes	0.6	66	091861	091861

#### ***Pioneer Manufacturing***

Appliance	Type	Authorised Fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Metro Eco Euro Ped (with direct vent)*	Freestanding	Dry Wood	No	0.7	70	06007	06007

<sup>†</sup> **Ethos Ares** may be authorised without a flue shield if installed in accordance with [Environment Canterbury conditions](#)

Metro Eco Euro Ped (without direct vent)*	Freestanding	Dry Wood	No	1.0	66	06007	06007
Metro Eco Euro Rad	Freestanding	Dry Wood	No	0.7	72	072608	072608
Metro Eco Euro Trad* (with direct vent)	Freestanding	Dry Wood	No	0.7	70	06007	06007
Metro Eco Euro Trad* (without direct)	Freestanding	Dry Wood	No	1.0	66	06007	06007
Metro Eco Tiny Ped	Freestanding	Dry Wood	No	NT	NT	073897	073897
Metro Eco Tiny Ped	Freestanding	Dry Wood	Yes	NT	NT	080009	080009
Metro Eco Tiny Rad	Freestanding	Dry Wood	No	0.9	75	072605	072605
Metro Eco Tiny Rad	Freestanding	Dry Wood	Yes	0.9	67	072607	072607
Metro Eco Tiny Trad	Freestanding	Dry Wood	No	0.7	78	05006	05006
Metro Eco Tiny Trad	Freestanding	Dry Wood	Yes	1.0	66	080008	080008
Metro Eco Trad (with fan)	Insert	Dry Wood	No	0.9	65	05004	N0009
Metro Eco Trend (with fan)	Insert	Dry Wood	No	0.9	65	05004	N0008
Metro Eco Wee Curve	Freestanding	Dry Wood	No	0.6	68	093460	
Metro Eco Wee Ped*	Freestanding	Dry Wood	No	NT	NT	092976	092976
Metro Eco Wee Rad*	Freestanding	Dry Wood	No	0.9	70	092977	092977
Metro Eco Wee Trad*	Freestanding	Dry Wood	No	NT	NT	092974	092974
Metro Eco Xtreme Ped (with direct vent)	Freestanding	Dry Wood	No	0.9	69	06008	06008
Metro Eco Xtreme Rad* (with direct vent)	Freestanding	Dry Wood	No	0.9	68	06009	06009
<b>Pioneer Manufacturing (old names)**</b>							
Appliance	Type	Authorised Fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Metro Eco Aspire (with direct vent)**	Freestanding	Dry Wood	No	0.7	70	06007	06007
Metro Eco Aspire (without direct vent)**	Freestanding	Dry Wood	No	1.0	66	06007	06007
Metro Eco Rad (with direct vent)**	Freestanding	Dry Wood	No	0.9	68	06009	06009
Metro Eco Pioneer Pedestal**	Freestanding	Dry Wood	No	NT	NT	04011	N0004
Metro Eco Pioneer Traditional**	Freestanding	Dry Wood	No	NT	NT	04012	N0005

**Pyroclassic Fires Limited**

Appliance	Type	Authorised Fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Pyroclassic IV	Freestanding	Dry Wood	No	0.3	74	072269	072269
Pyroclassic IV	Freestanding	Dry Wood	Yes	0.3	65	073063	073063

#### ***Retail Links***

Appliance	Type	Authorised Fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Fisher Blenheim	Freestanding	Dry Wood	No	1.3	72		N0022
Jayline CS400	Freestanding	Dry Wood	No	NT	NT		N0015
Jayline Classic CA	Freestanding	Dry Wood	No	NT	NT	093798	093798
Jayline Spitfire Clean Air 2006	Freestanding	Dry Wood	No	1.3	70		N0024
Jayline SS200	Freestanding	Dry Wood	No	NT	NT		N0023
Jayline SS300	Freestanding	Dry Wood	No	NT	NT		N0016
Jayline SS400	Freestanding	Dry Wood	No	NT	NT		N0025

#### ***Tropicair Heating Ltd***

Appliance	Type	Authorised Fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Tropicair Kowhai 2000 MkIII	Freestanding	Dry Wood	No	NT	NT	090722	N0002
Tropicair Rimu 2000 MkIII	Freestanding	Dry Wood	No	0.9	72	090721	N0001
Tropicair Tawa MkIII (with flue shield)	Insert	Dry Wood	No	0.6	65	05013	05013

#### ***W H Harris Limited***

Appliance	Type	Authorised Fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.
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						<b>ECan</b>	<b>Nelson</b>
Jayline Starfire IS	Insert	Dry Wood	No	0.9	69	072487	072487
Nestor Martin R33	Freestanding	Dry Wood	No	0.7	66	05015	05015
Nestor Martin X33	Freestanding	Dry Wood	No	0.7	66	06003	06003
Woodsman Blaze	Freestanding	Dry Wood	No	0.7	66	082947	082947
Woodsman Boston	Freestanding	Dry Wood	No	0.8	67	073734	073734
Woodsman Manhattan	Freestanding	Dry Wood	No	0.8	67	073735	073735
Woodsman Matai DLX 165	Freestanding	Dry Wood	No	NT	NT	03014	03014
Woodsman Matai DVI-165 Deluxe <sup>3</sup>	Insert	Dry Wood	No	0.5	67	04002	04002
Woodsman Matai DVI-165 Standard <sup>3</sup>	Insert	Dry Wood	No	NT	NT	04003	04003
Woodsman Matai ECR-165	Freestanding	Dry Wood	No	0.8	72	03015	03015
Woodsman Matai ECR MKII	Freestanding	Dry Wood	No	NT	NT	071128	071128
Woodsman Matai ECR MK III	Freestanding	Dry Wood	No	0.7	71	102148	102148
Woodsman Matai ECR MK IV	Freestanding	Dry Wood	No	0.8	75	102149	102149
Woodsman Miami - 165	Freestanding	Dry Wood	No	NT	NT	05003	05003
Woodsman Pelorus - 165	Freestanding	Dry Wood	No	0.9	73	04024	04024
Woodsman Regent	Insert	Dry Wood	No	0.9	69	072526	072526
Woodsman Tarras	Freestanding	Dry Wood	No	0.9	70	094113	094113
Woodsman Tarras-WB	Freestanding	Dry Wood	Yes	1.0	65	094114	094114

3 – This approval is limited to installations of the appliance where there is provision for combustion air to be drawn into the chimney cavity via a conduit (or opening) meeting the following criteria; (a) air shall be sourced from outside the room in which the appliance is installed; (b) the air shall be sourced by the conduit and delivered from it at heights neither of which are greater than one metre above the top of the appliance, and (c) the conduit shall have a cross sectional area not less than the equivalent of a circle of diameter 100mm at all points, and a maximum length of five metres.

**Warmington Industries Ltd**

<b>Appliance</b>	<b>Type</b>	<b>Authorised Fuel</b>	<b>Water heater</b>	<b>Emission (g/kg)</b>	<b>Efficiency (%)</b>	<b>Authorisation No.</b>	
						<b>ECan</b>	<b>Nelson</b>
Warmington Lewis	Freestanding	Dry Wood	No	0.8	72	071229	071229
Lindis	Freestanding	Dry Wood	No	1.2	72		N0019

McKenzie	Freestanding	Dry Wood	No	1.5	65		N0020
Warmington Studio Stove	Freestanding	Dry Wood	No	1.0	70	071226	071226

**Yunca Group**

Appliance	Type	Authorised Fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Yunca Wegj 2000 (sub 1.0)	Freestanding	Dry Wood	No	0.8	67	02011	02011
Yunca Fitzroy (Sub 1.0)	Freestanding	Dry Wood	No	0.9	67	073065	

**Yunca Holdings Limited**

Appliance	Type	Authorised Fuel	Water heater	Emission (g/kg)	Efficiency (%)	Authorisation No.	
						ECan	Nelson
Yunca Hobson sub 1.0	Freestanding	Dry Wood	No	1.0	70	03004	03004

**Key**

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