



Burn Wise Partners - Program Participation - List of Cleaner Hydronic Heaters



Breathe Easier with Cleaner Outdoor Wood-Fired Heaters (PDF) (1pg, 451k, About PDF)

Below is the Phase 2 list of cleaner burning hydronic heaters that qualify for EPA's Hydronic Heater program*. Phase 2 units have a white tag and are about 90 percent cleaner than unqualified units. EPA's Phase 1 models are no longer considered "qualified" under the Program after March 31, 2010. Use of permanent labels and hang tags for these models must be discontinued on units manufactured after that date. You can find [Phase 1 archived here](#).

* The wood-burning appliances that are "qualified" under the EPA's Voluntary Hydronic Heater and Fireplace Programs **are not "certified"** per EPA's Wood Heater New Source Performance Standard. Contact your [state or local air quality agency](#) for clarification on the type of wood-burning appliances, if any, that may legally be installed in your area

Please Note Energy efficiency numbers that have been calculated using the current test procedure are generating numbers that do not represent actual efficiencies. As such, we have taken down the efficiency column from this web site. Please bear with us while we review this issue.

Phase 2 Qualified White Tag Models*

Manufacturer	Model Name & Number	Heat Output Rating ⁽¹⁾ (BTU/hr)	Annual Average Emission Rate (grams/hr)	Heat Output ⁽²⁾ Annual Average Emission Level (lbs/million BTU output)	Fuel Type
Northwest Manufacturing, Inc. (Woodmaster) EXIT Disclaimer	Flex-Fuel 30 KW indoor/ outdoor	117022	1.5	0.04	stick wood; batch load
Northwest Manufacturing, Inc. (Woodmaster) EXIT Disclaimer	Flex-Fuel 30 KW indoor/ outdoor	110167	1.3	0.04	wood pellets; continuous feed
Northwest Manufacturing, Inc. (Woodmaster) EXIT Disclaimer	Flex-Fuel 60 KW indoor/ outdoor	219831	2.6	0.04	stick wood; batch load
Central Boiler EXIT Disclaimer	Maxim M250	212453	1.6	0.06	wood pellets; continuous feed
Heatmor EXIT Disclaimer	200 SSP	162793	1.1	0.07	wood pellets; continuous feed
Polar Furnace EXIT Disclaimer	G3	142533	1.96	0.08	stick wood; batch load
Central Boiler EXIT Disclaimer	E-Classic 3200	261506	3.3	0.08	stick wood; batch load
Central Boiler EXIT Disclaimer	E-Classic 2400	186453	3.3	0.12	stick wood; batch load
Aqua-Therm EXIT Disclaimer	Kunzel PK-20	85969	1.2	0.13	wood pellets; continuous feed
Hawken Energy EXIT Disclaimer	GX-10	76887	2.2	0.14	stick wood; batch load
LEI Products EXIT Disclaimer	MBB-100	91300	1.99	0.15	wood pellets; continuous feed
Northwest Manufacturing, Inc. (Woodmaster) EXIT Disclaimer	Flex-Fuel 60 KW indoor/ outdoor	179458	2.3	0.16	wood pellets; continuous feed
Central Boiler EXIT Disclaimer	E-Classic 1450	120529	4.7	0.18	stick wood; batch load
Heatmor EXIT Disclaimer	200 SSR II	66842	3.7	0.18	stick wood; batch load

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Mahoning Outdoor Furnace, Inc. EXIT Disclaimer	Sky Series V	82594	2.44	0.18	stick wood; batch load
HeatSource1 EXIT Disclaimer	Earth Energy Series 190	87577	3.56	0.19	stick wood; batch load
Polar Furnace EXIT Disclaimer	G2	66897	3.53	0.19	stick wood; batch load
Hardy Manufacturing Company EXIT Disclaimer	KBP 270	120000	2.96	0.20	wood pellets; continuous feed
Aqua-Therm EXIT Disclaimer	Kunzel PK-10	45506	0.7	0.21	wood pellets; continuous feed
Nature's Comfort, LLC EXIT Disclaimer	GT-6000	100959	5.7	0.22	stick wood; batch load
Piney Manufacturing Limited EXIT Disclaimer	Optimizer 250	78252	4.7	0.23	stick wood; batch load
Greentech Manufacturing EXIT Disclaimer	RS7400-E	116597	8.04	0.23	stick wood; batch load
Northwest Manufacturing, Inc. (Woodmaster) EXIT Disclaimer	AFS 900	107069	2.49	0.24	wood pellets; continuous feed
Pro-Fab Industries, Inc. EXIT Disclaimer	Empyre Elite 100	48721	2.5	0.24	stick wood; batch load
Northland Dist. & Mfg Inc. EXIT Disclaimer	Empyre Elite XT100 Pristine Series 1000				
Wood Boiler EXIT Disclaimer	E4	77308	4.5	0.25	stick wood; batch load
Marway Welding	Phase 2-200	65336	3.75	0.26	stick wood; batch load
Wood Doctor EXIT Disclaimer	WD-HE8000	112655	6.1	0.26	stick wood; batch load
Steel Tech Inc. (Heatmaster SS) EXIT Disclaimer	G200	80368	5.6	0.27	stick wood; batch load
Pro-Fab Industries Inc. EXIT Disclaimer	Empyre Pro Series 200	66290	8.4	0.27	stick wood; batch load
Central Boiler EXIT Disclaimer	E - Classic 1400	107459	5.5	0.27	stick wood; batch load
Heatmor EXIT Disclaimer	400 4S	160599	10.7	0.28	stick wood; batch load
Earth Manufacturing EXIT Disclaimer	Klear Sky 400	45786	5.1	0.29	stick wood; batch load
Piney Manufacturing Limited EXIT Disclaimer	Optimizer 350	160421	7.3	0.30	stick wood; batch load
Hardy Manufacturing Company EXIT Disclaimer	KB165	73573	3.9	0.31	stick wood; batch load
Hardy Manufacturing Company EXIT Disclaimer	KB220	77135	4.5	0.31	stick wood; batch load

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Central Boiler EXIT Disclaimer	E - Classic 2300	160001	6.4	0.31	stick wood; batch load
Pro-Fab Industries Inc. EXIT Disclaimer	Empyre Elite 200 Empyre Elite XT 200	64047	5.96	0.31	stick wood; batch load
Pro-Fab Industries Inc. EXIT Disclaimer	Empyre Pro Series 400	177333	6.1	0.31	stick wood; batch load
Wood Doctor EXIT Disclaimer	HE-5000	44502	4.2	0.32	stick wood; batch load

1 - Based on 8-hour test for stick wood models and 4-hour test for continuous feed models.

2 - EPA Phase 2 qualified level is 0.32 pounds of fine particles per million BTU of heat output (weighted average representing the range of burn rates expected in a year) and a maximum individual test run of 18.0 grams per hour. Typically, the maximum individual test run is the maximum heat output burn rate.

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