

Docket ID No. EPA-HQ-OAR-2018-0195

ATTACHMENT G TO HEARTH, PATIO & BARBECUE ASSOCIATION COMMENTS

U.S. EPA, “Certified Forced-Air Furnaces” (June 2018), *available at* <https://www.epa.gov/compliance/list-epa-certified-forced-air-furnaces> (last visited Jan. 10, 2019)

Manufacturer	Model Name, Model Number	Recommended Fuel	Annual Avg. Emission Rate (lb/mmBtu)	Heat Output Range (Btu/hr)	Annual Average Efficiency (%HHV)	Carbon Monoxide (required for certifications under the 2015 NSPS) g/Min	Type of Heater	2020 NSPS Certified?		
AC Component Specialists	620-9 and 620-10	Multi-Fuel (wood pellets, corn)	0.2	37722-112434	65	1.1	Pellet	No		
England's Stove Works, Inc.	28-4000, 50-SHW40, and 50-TRW40	Cordwood	0.73	11665 - 31373	72	3.4	Non-Catalytic	No		
Fire Chief Industries/Shelter Furnace/HY-C Company	Fire Chief FC1500 and Shelter Furnace SF2600	Cordwood	0.37	23905 - 74178	63	4.60	Non-Catalytic	No		
Fire Chief Industries/Shelter Furnace/HY-C Company	Fire Chief FC1000 and Shelter SF1000	Cordwood	0.19	16691 – 45000	69	2.00	Non-Catalytic	No		
Fire Chief Industries/Shelter Furnace/HY-C Company	Fire Chief FC1700, FC1900 and Shelter Furnace SF3100, SF4200	Cordwood	0.26	25586 - 67337	63	2.30	Non-Catalytic	No		
Lamppa Manufacturing, Inc.	Vapor Fire 100 (VF100)	Cordwood	0.09	9332 – 36063	79	0.82	Non-Catalytic	Yes		
Maine Energy Systems, LLC	Autopellet Air	Pellet	0.06	29509 – 92178	89	0.02	Pellet	No		
Stove Builder International Inc.	Max Caddy and HeatPro	Cord wood	0.75	15112 – 51203	77	2.10	Non-Catalytic	No		
Stove Builder International Inc.	Caddy, Heatmax II, Tundra II	Cord wood	0.65	12635-44857	77	1.80	Non-Catalytic	No		
Stove Builder International Inc.	Caddy Alterna II	Pellet	0.44	22537 – 64737	69	3.10	Pellet	No		
Stove Builder International Inc.	Mini-Caddy and Heatpack	Cordwood	0.84	11319 - 37053	74	0.26	Non-Catalytic	No		
United States Stove Company	AF700 and CF700M	Cordwood	0.41	20568-64116	71	7.93	Non-Catalytic	No		
United States Stove Company	8500 and SP8500	Pellet	0.53	9001- 47014	48	0.46	Pellet	No		
United States Stove Company	1330E, AF1330E, CF1330E, BK1330E, NM1330E, GE1330E, CH1330E, VG1330E, HC1330E, HB1330E, VG1301E, 1331E, and AF1300E	Cordwood	0.51	14917-48184	33	9.74	Non-Catalytic	No		
United States Stove Company	7000*	Crib	0.42	22177-72449	76	**	Non-Catalytic	No		

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United States Stove Company	7700*	Crib	0.36	20330-61900	74	**	Non-Catalytic	No
United States Stove Company	1660EFE, AF1660EFE, CF1660EFE, NM1660EFE, VG1660EFE, HB1660EFE	Cordwood	0.59	27875-73849	58	10.30	Non-Catalytic	No
United States Stove Company	1660E, AF1660E, CF1660E, SF1660E, BK1660E, NM1660E, GE1660E, CH1660E, VG1660E, HC1660E, HB1660E, VG1301E, 1331E, and AF1300E	Cordwood	0.3	72455-185536	62	0.20	Non-Catalytic	No
United States Stove Company	1400E, 1440E, AF1440E, CF1440E, BK1440E, NM1440E, GE1440E, CH1440E, VG1440E, HC1440E, HB1440E, VG1501E, 1551E, and AF1500E	Cordwood	0.39	18888-56399	63	5.20	Non-Catalytic	No
End-of-List								

Definitions:

Fuel Used During Certification Test - Type of fuel used during the certification test(s): Cordwood, Chips, Pellets.

Annual Avg. Emission Rate (lb/mmBtu) - Particulate matter (PM2.5) emissions expressed in a weighted annual average of mass per unit of energy. This value is based on measurements made on the load side of the heat exchanger.

Max Heat Output Rating (Btu/hr) - The maximum rate of energy that a furnace supplies in Btu/hr which is verified by testing at its highest burn rate. This value is based on measurements made on the load side of the heat exchanger.

Annual Average Efficiency (%High Heating Value) – The effectiveness of a furnace to deliver the potential energy contained in a load of wood to a residential space.

Carbon Monoxide (required for certifications under the 2015 NSPS) g/min - Carbon monoxide values are calculated during a certification test and reported to the EPA.

Type of Furnace – Furnace equipped with either a non-catalytic and catalytic combustors.

2020 NSPS Certified? – 2020 NSPS designation is given to a furnace if it meets the 2020 particulate matter emission limit of 0.15 lb/mmBtu (0.026 g/MJ) heat output per individual burn rate as determined by the cord wood test methods and procedures in § 60.5476 or cord wood test methods approved by the EPA.

Legend:

USEPA Certified Forced-Air Furnaces June 2018

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