

USEPA Certified Forced-Air Furnaces October 2017rev1

Manufacturer	Model Name, Model Number	Fuel Used During Certification Test	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	Cordwood	0.51	14917-48184	33	9.74	Non-Catalytic	No
United States Stove Company	1400E, 1440E, AF1440E, CF1440E, BK1440E, NM1440E, GE1440E, CH1440E, VG1440E, HC1440E, HB1440E	Cordwood	0.39	18888-56399	63	5.20	Non-Catalytic	No
End-of-List								

Competitive Comparison for Emissions

There are actually only 11 approved furnaces but only one approved for 2020 and beyond

All four burn categories must be equal or less than 0.15#pm/Mbtu for 2020+	Category 4 (high)	Category 1 (low)	Category 2 (low-med)	Category 3 (med-high)	Category average #/mBtu	gr/hr emission average	CO emission average	HHV Overall efficiency average
Mini-Caddy (Heat Pack- Private label) (non-catalytic, manual draft)	0.119 2020+	0.835 ≤2020	1.175 ≤2020	0.358 ≤2020	0.840 #/mBtu	4.82	117.00	74.45%
Max Caddy (Heat Pro - Private label) (non-catalytic, auto draft)	0.218 ≤2020	0.938 ≤2020	0.404 ≤2020	0.356 ≤2020	0.750 #/mBtu	5.63	126.00	76.42%
Caddy (Tundra II - Private Label) (non-catalytic, manual draft)	0.183 ≤2020	0.413 ≤2020	1.010 ≤2020	0.703 ≤2020	0.650 #/mBtu	6.18	119.00	75.10%
England Stove Works (non-catalytic - manual draft)	1.131 ≤2020	1.241 ≤2020	0.242 ≤2020	0.300 ≤2020	0.728 #/mBtu	6.84	201.90	72.25%
Fire Chief - Shelter FC1700 (non-catalytic Automatic Blower draft)	0.260 ≤2020	0.250 ≤2020	0.290 ≤2020	0.230 ≤2020	0.261 #/mBtu	5.08	139.44	64.60%
Fire Chief - Shelter FC1500 (non-catalytic Automatic Blower draft)	0.790 ≤2020	0.160 ≤2020	0.140 2020+	0.380 ≤2020	0.368 #/mBtu	9.83	279.23	63.30%
Fire Chief - Shelter FC1000 (non-catalytic Automatic Blower draft)	0.220 ≤2020	0.200 ≤2020	0.180 ≤2020	0.240 ≤2020	0.210 #/mBtu	2.84	120.00	69.00%
Lamppa Vapor-Fire 100 (non-catalytic - auto draft) (2020+)	0.043 2020+	0.147 2020+	0.089 2020+	0.093 2020+	0.093 #/mBtu	0.72	49.33	79.00%
U.S. Stove AF700 (Ashley - Private label) (non-catalytic - manual draft)	0.586 ≤2020	0.218 ≤2020	0.568 ≤2020	0.472 ≤2020	0.461 #/mBtu	11.41	579.37	69.85%
U.S. Stove 1400E (non-catalytic - manual draft)	0.360 ≤2020	0.550 ≤2020	0.460 ≤2020	0.170 ≤2020	0.385 #/mBtu	5.18	348.25	63.00%
U.S. Stove 1330E Hot Blast (non-catalytic - manual draft)	0.579 ≤2020	0.594 ≤2020	0.215 ≤2020	0.647 ≤2020	0.509 #/mBtu	7.60	510.75	60.01%