


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%



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

*** Lowest in emissions and the highest in heating efficiency!**