

EPA 2020 Wood Furnace Intertek Data Comparison																
Load % Capacity	Target Load	Actual Load	Actual Load	Test Duration	Wood Weight as-fired	Wood Moisture	Heat Input	Heat Output	Total PM Emissions	PM Output Based	PM Rate	Delivered Efficiency	Stack Loss Efficiency	CO Emissions		
	Btu/hr	Btu/hr	% of Max	hrs	lb	%	Btu	Btu	g	lb/mmBtu Out	g/MJ	g/hr	%	%	g/min	
Category I																
Kuuma VF 100	<35% of Max	12,622	9,332	26.00%	10.18	40.96	24.72	279,146	95,032	6.35	0.147	0.06	0.62	34	77.7	1.18
Drolet Heat Commander		12,591	13,297	31.00%	10.47	36.158	21.66	260,420	139,174	4.9	0.08	0.03	0.47	53.4	77.7	1.26
Shelter SF1000E		16,252	15,727	33.87%	6.57	37.19	21.97	262,070	103,277	6.8	0.15	0.06	1.04	39.4	69.6	1.62
Category II																
Kuuma VF 100	36-53% of Max	15,867	15,521	43.00%	8.66	41.85	23.97	286,931	135,300	4.87	0.089	0.04	0.58	47.4	79.9	0.86
Drolet Heat Commander		19,500	19,407	46.00%	8.80	36.64	22.3	262,510	170,785	7.77	0.1	0.04	0.88	65.1	75	1.52
Shelter SF1000E		24,610	21,540	46.39%	5.82	35.58	19.92	255,004	125,290	8.1	0.14	0.06	1.39	49.1	70.1	2.68
Category III																
Kuuma VF 100	53-76% of Max	27,407	25,236	70.00%	7.75	42.49	24.42	290,273	195,581	8.21	0.093	0.04	1.06	67.4	79.1	1.25
Drolet Heat Commander		31,250	30,497	72.00%	7.07	38.399	21.54	276,820	215,512	13.72	0.14	0.06	1.94	77.9	75.5	2.17
Shelter SF1000E		34,826	24,739	53.28%	3.73	32.35	21.55	225,737	92,358	4.12	0.1	0.04	1.1	40.4	69	0.84
Category IV																
Kuuma VF 100	Max Capacity	36,063	36,063	100.00%	5.93	41.59	24.48	284,455	194,522	3.79	0.043	0.02	0.64	68.4	79	0.47
Drolet Heat Commander		42,234	42,234	100.00%	4.23	36.879	21.66	265,603	179,173	9.45	0.12	0.05	2.23	67.5	74.9	2.56
Shelter SF1000E		46,435	46,435	100.00%	2.93	30.61	20.27	218,757	136,210	6.73	0.11	0.05	2.3	62.3	67	1.79