

USEPA Certified Hydronic Heaters January 2016

Manufacturer	Model Name	Model Number	Recommended Fuel	Annual Avg. Emission Rate (lb/mmBtu)	Max Heat Output Rating (Btu/hr)	8-hour Output Rating (BTU/hr)	Annual Average Efficiency (%HHV)
Advanced Climate Technologies, LLC		CP 500	Pellets	0.03	532,000	532,000	88
Advanced Climate Technologies, LLC		CP 850	Pellets	0.02	840,000	840,000	88
Advanced Climate Technologies, LLC		CP 1000	Pellets	0.03	1,030,000	1,030,000	87
Advanced Climate Technologies, LLC		CP 1700	Pellets	0.01	1,650,000	1,650,000	89
Alternate Heating Systems	Wood Gun	E155	cord wood	0.32	147,632		53
Central Boiler	E-Classic	1450	cord wood	0.18	214,000	120,529	78
Central Boiler	E-Classic	3250 IR	cord wood	0.18	245,000	244,174	69
Central Boiler	Maxim	M255P/M255PE	Pellets	0.04	165,215	165,215	82
Central Boiler	Classic Edge	350	cord wood	0.18	177,802	67,702	79

USEPA Certified Hydronic Heaters January 2016

<b>Manufacturer</b>	<b>Model Name</b>	<b>Model Number</b>	<b>Recommended Fuel</b>	<b>Annual Avg. Emission Rate (lb/mmBtu)</b>	<b>Max Heat Output Rating (Btu/hr)</b>	<b>8-hour Output Rating (BTU/hr)</b>	<b>Annual Average Efficiency (%HHV)</b>
Central Boiler	Classic Edge	550	cord wood	0.31	162,170	81,168	70
Central Boiler	Classic Edge	750	cord wood	0.18	240,362	186,669	72
DECTRA	GARN	WHS-2000H	cord wood	0.07	200,000	105,050	74
DECTRA	GARN	WHS-2000V	cord wood	0.07	200,000	105,050	74
DECTRA	GARN	WHS-1500H	cord wood	0.14	177,000	87,179	65
DECTRA	GARN	WHS-1500V	cord wood	0.14	177,000	87,179	65
DECTRA	GARN	WHS-1000H and WHS-1000V	cord wood	0.2	160,000	160,000	77
Earth Manufacturing, LLC	Klear Sky	400	cord wood	0.3	70,770	45,786	47
Econoburn Boilers	EBW	200-170	cord wood	0.16	171,638		60

USEPA Certified Hydronic Heaters January 2016

Manufacturer	Model Name	Model Number	Recommended Fuel	Annual Avg. Emission Rate (lb/mmBtu)	Max Heat Output Rating (Btu/hr)	8-hour Output Rating (BTU/hr)	Annual Average Efficiency (%HHV)
Effecta Energy Solutions		Komplett III Light 20 kW	pellets	0.02	68,000	68,000	85
Effecta Energy Solutions		Komplett III Light 25 kW	pellets	0.02	85,000	85,000	86
Effecta Energy Solutions		Komplett III Light 35 kW	pellets	0.02	120,000	120,000	85
ESIM	USV	100GS	cord wood	0.20	350,367		61
Evoworld, Inc		HP 14	Pellets	0.01	47,800	47,800	88
Evoworld, Inc		P 28	Pellets	0.02	94,200	94,200	85
Evoworld, Inc		P 50	Pellets	0.01	163,000	163,000	90
Evoworld, Inc		P 100	Pellets	0.02	360,000	360,000	88
Evoworld, Inc		P 200	Pellets	0.02	699,000	699,000	86

USEPA Certified Hydronic Heaters January 2016

Manufacturer	Model Name	Model Number	Recommended Fuel	Annual Avg. Emission Rate (lb/mmBtu)	Max Heat Output Rating (Btu/hr)	8-hour Output Rating (BTU/hr)	Annual Average Efficiency (%HHV)
Fröling Heizkessel- und Behälterbau Ges.m.b.H		P4 Unit 8	Pellets	0.04	35,800	35,800	88
Fröling Heizkessel- und Behälterbau Ges.m.b.H		P4 Unit 15	Pellets	0.03	50,800	50,800	87
Fröling Heizkessel- und Behälterbau Ges.m.b.H		P4 Unit 20	Pellets	0.03	68,200	68,200	87
Fröling Heizkessel- und Behälterbau Ges.m.b.H		P4 Unit 25	Pellets	0.03	85,300	85,300	87
Fröling Heizkessel- und Behälterbau Ges.m.b.H		P4 Unit 32	Pellets	0.03	109,000	109,000	87
Fröling Heizkessel- und Behälterbau Ges.m.b.H		P4 Unit 38	Pellets	0.02	130,000	130,000	86
Fröling Heizkessel- und Behälterbau Ges.m.b.H		P4 Unit 48	Pellets	0.03	164,000	164,000	86
Fröling Heizkessel- und Behälterbau Ges.m.b.H		P4 Unit 60	Pellets	0.03	200,000	200,000	86
Fröling Heizkessel- und Behälterbau Ges.m.b.H		P4 Unit 80	Pellets	0.03	273,000	273,000	87

USEPA Certified Hydronic Heaters January 2016

Manufacturer	Model Name	Model Number	Recommended Fuel	Annual Avg. Emission Rate (lb/mmBtu)	Max Heat Output Rating (Btu/hr)	8-hour Output Rating (BTU/hr)	Annual Average Efficiency (%HHV)
Fröling Heizkessel- und Behälterbau Ges.m.b.H		P4 Unit 100	Pellets	0.03	341,000	341,000	88
Fröling Heizkessel- und Behälterbau Ges.m.b.H		T4-130	Pellets	0.02	444,000	444,000	85
Fröling Heizkessel- und Behälterbau Ges.m.b.H		S3 Turbo 50	cord wood	0.12	166,194	166,194	73
Fröling Heizkessel- und Behälterbau Ges.m.b.H		T4-150	Pellets	0.02	512,000	512,000	85
Greentech Manufacturing Inc.	Crown Royal	RS7400E	cord wood	0.24	296,192	116,597	61
Greentech Manufacturing Inc.	Crown Royal	RS7200E	cord wood	0.13	184,508	184,508	60
Greentech Manufacturing Inc.	Crown Royal	RS7300E	cord wood	0.29	189,599	60,612	54
Hardy Manufacturing Co., Inc.	KB	125	cord wood	0.3	119,457	60,261	61
Hardy Manufacturing Co., Inc.	KB	165	cord wood	0.31	150,000	73,573	57

USEPA Certified Hydronic Heaters January 2016

Manufacturer	Model Name	Model Number	Recommended Fuel	Annual Avg. Emission Rate (lb/mmBtu)	Max Heat Output Rating (Btu/hr)	8-hour Output Rating (BTU/hr)	Annual Average Efficiency (%HHV)
Hawken Energy	GX Series	GX 10	cord wood	0.14	144,870	76,887	64
Hawken Energy	GX Series	GX15	cord wood	0.18	176,116	73,234	70
Hawken Energy	GX Series	GX30	cord wood	0.17	242,090	104,865	67
Heatmor		400-4S	cord wood	0.28	400,000	160,599	76
Heatmor	X Series	200X	cord wood	0.3	184,459	54,019	62
Heatmor		350X	cord wood	0.31	255,582	89,753	58
Heatmor Manufacturing	200 SSP	200 SSP	cord wood	0.32	180,000	162,793	69
Heizomat Canada, Inc.		RHK AK 30	pellets	0.04	142,000	142,000	86
Hydronic Specialty Supply, Inc.	Drummer	Drummer 35	cord wood	0.32	115,000		60

USEPA Certified Hydronic Heaters January 2016

Manufacturer	Model Name	Model Number	Recommended Fuel	Annual Avg. Emission Rate (lb/mmBtu)	Max Heat Output Rating (Btu/hr)	8-hour Output Rating (BTU/hr)	Annual Average Efficiency (%HHV)
LMF Manufacturing Ltd.		AHB-170P	pellets	0.99	77,771		54
Mahoning Outdoor Furnace	Mahoning Skye	Series V	cord wood	0.18	110,000	82,594	54
Maine Energy Systems, LLC		PE16	pellets	0.02	57,000	57,000	86
Maine Energy Systems, LLC		PE32	pellets	0.02	109,000	109,000	85
Maine Energy Systems, LLC		PE64	pellets	0.02	229,000	229,000	87
Maine Energy Systems, LLC	PE/PES	12-20	pellets	0.07	67,694		75
Maine Energy Systems, LLC	PES	25-32	pellets	0.06	99,797		81
Maine Energy Systems, LLC	PE/PES	36-56	pellets	0.07	199,408		86
Maine Energy Systems, LLC	EasyPell	16-20kW	pellets	0.10	68,000		75

USEPA Certified Hydronic Heaters January 2016

Manufacturer	Model Name	Model Number	Recommended Fuel	Annual Avg. Emission Rate (lb/mmBtu)	Max Heat Output Rating (Btu/hr)	8-hour Output Rating (BTU/hr)	Annual Average Efficiency (%HHV)
Marway Welding	Phase	2-200	cord wood	0.26	139,576	65,336	39
Nature's Comfort LLC	GT Series	GT-6000	cord wood	0.22	250,000	100,959	73
NBE Production	Kedel	RTB54	pellets	0.08	60,000		70
NBE Production	Kedel	RTB102	pellets	0.07	87,379		73
NBE Production	Kedel	RTB170	pellets	0.08	162,000		79
NBE Production	Kedel	RTB54	pellets	0.03	58,000	58,000	85
NBE Production	Kedel	RTB102	pellets	0.04	86,000	86,000	85
NBE Production	Kedel	RTB170	pellets	0.04	156,000	156,000	86
Pellergy, LLC/Windhager Zentralheizung Technik GmbH		Alpha-60	pellets	0.02	51,900	51,900	86



USEPA Certified Hydronic Heaters January 2016

<b>Manufacturer</b>	<b>Model Name</b>	<b>Model Number</b>	<b>Recommended Fuel</b>	<b>Annual Avg. Emission Rate (lb/mmBtu)</b>	<b>Max Heat Output Rating (Btu/hr)</b>	<b>8-hour Output Rating (BTU/hr)</b>	<b>Annual Average Efficiency (%HHV)</b>
Pellergy, LLC/Windhager Zentralheizung Technik GmbH		Alpha-100	pellets	0.01	88,400	88,400	86
Piney Manufacturing	Optimizer	350	cord wood	0.30	400,000	160,421	65
Piney Manufacturing	Enviro Chip	500	cord wood	0.19	280,000		73
Polar Furnace Manufacturing Inc.	G3	G3	cord wood	0.08	200,000	142,533	72
Polar Furnace Manufacturing Inc.		G-Class G2Plus	cord wood	0.07	183,307	183,307	73
Polar Furnace Manufacturing Inc.	G2	G2	cord wood	0.19	200,000	66,897	67

USEPA Certified Hydronic Heaters January 2016

Annual Avg. Emission Rate (gr/hr)*	Carbon Monoxide (required for certifications under the 2015 NSPS) g/hr	Thermal Storage Required
NAC*		X
NAC		X
NAC		X
NAC		X
5.09		
4.70		
3.81		
0.80		
3.60		

USEPA Certified Hydronic Heaters January 2016

Annual Avg. Emission Rate (gr/hr)*	Carbon Monoxide (required for certifications under the 2015 NSPS) g/hr	Thermal Storage Required
5.20		
4.60		
1.69		
1.69		
2.88		
2.88		
NAC	0.47	
5.10		
NAC		x

USEPA Certified Hydronic Heaters January 2016

Annual Avg. Emission Rate (gr/hr)*	Carbon Monoxide (required for certifications under the 2015 NSPS) g/hr	Thermal Storage Required
NAC		X
NAC		X
NAC		X
7.55		
NAC		X
NAC		X
NAC		X
NAC		X
NAC		X

Annual Avg. Emission Rate (gr/hr)*	Carbon Monoxide (required for certifications under the 2015 NSPS) g/hr	Thermal Storage Required
NAC		X
NAC		X
NAC		X
NAC		X
NAC		X
NAC		X
NAC		X
NAC		X
NAC		X

USEPA Certified Hydronic Heaters January 2016

Annual Avg. Emission Rate (gr/hr)*	Carbon Monoxide (required for certifications under the 2015 NSPS) g/hr	Thermal Storage Required
NAC		X
NAC		X
NAC		X
NAC		X
8.00		
2.46		
6.20		
4.10		
3.90		

USEPA Certified Hydronic Heaters January 2016

Annual Avg. Emission Rate (gr/hr)*	Carbon Monoxide (required for certifications under the 2015 NSPS) g/hr	Thermal Storage Required
2.20		
3.70		
4.90		
10.70		
8.10		
9.20		
NAC		
NAC		X
NAC		x

USEPA Certified Hydronic Heaters January 2016

Annual Avg. Emission Rate (gr/hr)*	Carbon Monoxide (required for certifications under the 2015 NSPS) g/hr	Thermal Storage Required
	0.47	
2.40		
NAC		x
NAC		x
NAC		x
0.70		
0.80		
1.70		
NAC		



USEPA Certified Hydronic Heaters January 2016

Annual Avg. Emission Rate (gr/hr)*	Carbon Monoxide (required for certifications under the 2015 NSPS) g/hr	Thermal Storage Required
3.75		
5.70		
0.68		
0.87		
1.76		
NAC		x
NAC		x
NAC		x
NAC		x

Annual Avg. Emission Rate (gr/hr)*	Carbon Monoxide (required for certifications under the 2015 NSPS) g/hr	Thermal Storage Required
NAC		x
7.30		
5.40		
1.96		
NAC	1.70	
3.53		