

RENEWABLE ENERGY CONSULTANTS, LLC

Distributor of SIM / EKO-TECH WOOD CHIP & PELLET BOILERS



5 YEARS 5 YEAR HEAT EXCHANGER WARRANTY
2 YEAR GENERAL EQUIPMENT WARRANTY

FUELS COAL WOOD CHIPS PELLETS

FEATURES

- CAST IRON ACCESS DOOR
- BACK-FIRE PREVENTION
- AUTOMATED FUEL CONTROL
- HIGH COMBUSTION EFFICIENCY UP TO 89%
- EASY OPERATION
- MULTI-FUEL SYSTEM

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TECHNICAL INFORMATION

Parameters		Specifications								
1	Boiler Capacity - kW	kW	39*	50*	75	100	130	150	200	
2	Boiler Capacity - Btu/Hr	Btu	133,000	170,000	255,000	340,000	443,000	512,000	682,000	
3	Heat Exchanger Area	Ft ²	43.0	53.0	82.0	110.0	144.0	163.0	226.0	
4	Water Capacity	USG	19.8	42.8	52.8	84.5	123.0	160.0	171.0	
5	Volume of Fuel Storage Hopper	Ft ³	8.8	8.8	13.8	21.2	22.6	28.0	31.0	
6	Boiler Combustion Efficiency	%	86.5							
7	Maximum Water Temperature	deg F	185							
8	Fuel Storage Capacity	lbs	430	430	690	1000	1100	1400	1500	
9	Fuel Capacity - approx. burn time	Hrs	27.0	22.0	22.0	24.0	21.0	23.0	18.5	
10	Voltage	V	230	230	230	230	230	230	230	
11	Exhaust Duct Dimensions	Inch	8.2x8.2	8.2x8.2	8.2x8.2	11.2x10.0	11.2x10.0	12.0x11.2	13.5x12.8	
12	Chimney Diameter - recommended	Inch	7.0	9.0	11.0	12.0	13.0	14.0	16.0	
13	Required Chimney Draft	Pa	30.0	34.0	38.0	40.0	42.0	45.0	47.0	
14	Dimensions of System	Width	Inch	45.0	50.0	62.0	69.5	69.5	90.5	92.5
		Depth	Inch	51.0	51.0	53.0	62.0	67.0	75.5	79.5
		Height	Inch	59.0	63.0	63.5	64.0	64.0	66.0	66.0
15	System Weight	lbs	1433	1764	2200	3750	3965	4185	5500	
16	Typical Building Heating Area	Ft ²	4,000	5,000	7,000	9,000	12,000	14,000	18,000	

NET OUTPUT OF THE BOILER IS DEPENDENT ON THE TYPE OF FUEL USED, AND THE CALORIFIC VALUE OF THE FUEL USED.

LARGER UNITS ARE AVAILABLE

*BOILERS WITH CAPACITIES OF 39 KW & 50 KW ARE EQUIPPED WITH A GRATE FOR WOOD-LOG COMBUSTION.



IMPROVED HEAT EXCHANGER DESIGN



AUTOMATED AND MANUAL OPERATION CAPABILITIES



CONTROLLER CAPABLE OF ROOM-THERMOSTAT INTEGRATION



CAST IRON COMBUSTION STOKER



CONTROLLER CAPABLE OF CONTROLLING UP TO TWO PUMPS



AUTOMATED FUEL FEED RATE