Vigas Model 40kw with AK 4000 Lambda Controller		
Technical Data Sheet		
Nominal Boiler Output 136,000 BTU		
	Bo	iler Class According to EN 303-5
Maximum Operating Pressure		Bar (3 Bar=43 PSI) 3
Fuel		Maximum Wood Moisture 15-20%
Output BTU Capacity		27k-140k
Fuel consumption w/nominal output	Pounds per hour	24.6
Chimney draught	Inches of H2O	.0814
Weight	Lbs.	1015
Height w/regulator	Inches	54.53"
Height of Exhaust	Inches	51.57"
Branch		
Height of Inlet Branch	Inches	4.92"
Height of feed/water valve	Inches	2.75"
Height of chimney neck	Inches	43.30"
Width including rod	Inches	25.39" including chimney damper
Width including shell	Inches	23.22" width casing
Depth	Inches	42.15" with fan
Exhaust	Inches Inches	9.44" exit hot air 7.87" ascension throat diameter
Diameter OD Draught Neck		
Dimension from edge of Boiler	Inches	12.00"
Spacing of feed pipes	Inches	15.94"
Diameter of Inlet Port	Inches	2"
Diameter of Exhaust Port	Inches	2"
Diameter of Feed Water Valve	Inches	1/2"
Volume of Water	Gallons	24.56
Gas Temperature		464 °
With Nominal Output	°F	302 °
With Minimal Output	° F	
		Dimensions of Fuel Chamber
Depth	Inches	22.04"
Width	Inches	17.32"
Height	Inches	29.52"
Max Weight of Fuel	Lbs.	105 lbs.
Fuel Chamber Capacity	Ft ³	6.53
		nensions of Gasification Chamber
Gas Chamber (W)	Inches	17.12"
Gas Chamber (H)	Inches	10.03"
Noise	Decibel	47.7
May Flaatria Att	(dB)	70
Max Electric Output Voltage Frequency	W V/Hz	70 120 Volts AC/60 Hz
Pressure Loss of Water	Feet of	
ΔT 50° F	head	.35'
ΔT 68° F		.08'
Time of burning with Nominal Output	Hours	4.3
Cooling exchanger of heat	°F	39°-59° F
Temperature of inlet water Pressure of inlet water	PSI	Min 14 PSI-Max 58 PSI
Safety		Release valve Honeywell TS 130 ³ / ₄ " for safety exchanger against overheating. Opening temperature 203°F.
Weight flow of gases	Kg/s	0.034-0.047
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