

Vigas Model TVZ 25 with AK 4000 Lambda Controller		
Technical Data Sheet		
Nominal Boiler Output		85,000 BTU
Boiler Class According to EN 303-5		
Maximum Operating Pressure		Bar (3 Bar=43 PSI) 3
Fuel		Wood maximum moisture 15-20%
Output BTU Capacity		17k-95k
Fuel consumption w/nominal output	Pounds per hour	16.8
Chimney draught	Inches of H2O	.06-.08
Weight	Lbs.	993
Height w/regulator	Inches	47.24"
Height of Exhaust branch	Inches	40.74"
Height of Inlet Branch	Inches	n/a
Height of feed/water valve	Inches	n/a
Height of chimney neck	Inches	25.40"
Width including rod	Inches	25.39" including chimney damper
Width including shell	Inches	23.23" width casing
Depth	Inches	45.66" with fan
Exhaust	Inches	9.45" exit hot air
Diameter OD Draught Neck	Inches	6.26" ascension throat diameter
Dimension from edge of Boiler	Inches	n/a
Spacing of feed pipes	Inches	n/a
Diameter of Inlet Port	Inches	n/a
Diameter of Exhaust Port	Inches	n/a
Diameter of Feed Water Valve	Inches	n/a
Volume of Water	Gallons	n/a
Gas Temperature With Nominal Output	°F	464°
Gas Temperature With Minimal Output	°F	302°
Dimensions of Fuel Chamber		
Depth	Inches	22.04"
Width	Inches	17.32"
Height	Inches	19.7"
Max Weight of Fuel	Lbs.	62 lbs.
Fuel Chamber Capacity	Ft³	4.23
Dimensions of Gasification Chamber		
Gas Chamber (W)	Inches	17.12"
Gas Chamber (H)	Inches	10.03"
Noise	Decibel (dB)	77
Max Electric Output	W	70
Voltage Frequency	V/Hz	120 Volts AC/60 Hz
Pressure Loss of Water ΔT 50° F ΔT 68° F	Feet of head	n/a
Time of burning with Nominal Output	Hours	4.2
Cooling exchanger of heat Temperature of inlet water Pressure of inlet water	°F PSI	39°-59° F Min 14 PSI-Max 58 PSI
Safety		Release valve Honeywell TS 130 ¾" for safety exchanger against overheating. Opening temperature 203°F.
Weight flow of gases	Kg/s	0.034-0.047