

Vigas Model DP 18 with AK 4000 Lambda Controller		
Technical Data Sheet		
Nominal Boiler Output		62,000 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		41k-62k
Fuel consumption w/nominal output	Pounds per hour	17.91 Wood 9.92 Pellet
Chimney draught	Inches of H2O	.06-.08
Weight	Lbs.	1058
Height w/regulator	Inches	52.16"
Height of Exhaust branch	Inches	41.50"
Height of Inlet Branch	Inches	4.33"
Height of feed/water valve	Inches	2.16"
Height of chimney neck	Inches	35.03"
Width including rod	Inches	55.12"
Width including shell	Inches	27.16"
Depth	Inches	39.37"
Exhaust	Inches	9.44"
Diameter OD Draught Neck	Inches	6.29'
Dimension from edge of Boiler	Inches	9.05"
Spacing of feed pipes	Inches	13.77"
Diameter of Inlet Port	Inches	2"
Diameter of Exhaust Port	Inches	2"
Diameter of Feed Water Valve	Inches	1/2"
Volume of Water	Gallons	19.81
Gas Temperature With Nominal Output	°F	410°
Gas Temperature With Minimal Output	°F	221°
Dimensions of Fuel Chamber		
Depth	Inches	19.29"
Width	Inches	17.32"
Height	Inches	19.68"
Max Weight of Fuel	Lbs.	66 lbs.
Fuel Chamber Capacity	Ft³	3.70
Dimensions of Gasification Chamber		
Gas Chamber (W)	Inches	17.12"
Gas Chamber (H)	Inches	10.03"
Noise	Decibel (dB)	45.5
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	.33' of head .03" of head
Time of burning with Nominal Output	Hours	3.84
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 3/4" for safety exchanger against overheating. Opening temperature 203°F.
Weight flow of gases	Kg/s	0.034-0.047