

BioMass Technical Specifications

| BioMass | | Model 40 | Model 60 | Model 80 |
|--------------------------------|------|---|-------------|-------------|
| Rated Power Output | BTU | 140 | 205 | 275 |
| European Standard EN 303-5 | | Yes | Yes | Yes |
| Fuel Moisture Level | | Cord of Wood – with a maximum of 25% moisture | | |
| Power Range | BTU | 50K – 145K | 60K – 215K | 120K - 300K |
| Efficiency | % | 91 | 91 | 91 |
| Possible Fuels | | Seasoned Wood, Corn Cobs with Kernels, 50% of Coal, Saw Dust, Wood Chips (50%), any kind of | | |
| Temperature Adjustment Range | °F | 130-195 | 130-195 | 130-195 |
| Total Weight | Lb | 1480 | 1780 | 2100 |
| Height with Controller Housing | A in | 59 | 59 | 63 |
| Height of Hot Water Outlet | B in | 56 | 59 | 62.5 |
| Height of Return Water Pipe | C in | 32.6 | 32.4 | 36.5 |
| Height of Water Drain Valve | D in | 2.7 | 2.7 | 2.75 |
| Height of Flue Pipe | E in | 46.5 | 46.5 | 49.5 |
| Width with Clean-up Lever | F in | 31.5 | 31.5 | 31.5 |
| Depth | H in | 38.5 | 54.5 | 58 |
| Distance of Hot Water Outlet | I in | 9.5 | 9.5 | 14 |
| Flue Pipe Size | J in | 6" | 6" | 6" |
| Hot Water Outlet Pipe Size | G in | 2'' | 2'' | 2'' |
| Water Return Pipe Size | G in | 2" | 2" | 2" |
| Drain Pipe Size | G | 3/4'' | 3/4'' | 3/4'' |
| Boiler Water Capacity | gal | 40 | 50 | 68 |
| Flue Temperature | | | | |
| -Max power output | °F | 330 | 330 | 350 |
| -Min power output | °F | 210 | 210 | 210 |
| Size of Loading Chamber | | | | |
| -depth | in | 20.5 | 30.3 | 30.75 |
| -height | in | 24.8 | 24.8 | 34 |
| -width | in | 24.8 | 24.8 | 24.75 |
| Volume of Loading Chamber | gal | 40 | 60 | 75 |
| Noise Level | dB | 31 | 31 | 31 |
| Power Consumption | W | 80 (1.4A) | 140 (2.2 A) | 140 (2.2 A) |
| Voltage/Frequency | V/Hz | 120ACV/60 | 120ACV/60 | 120ACV/60 |