



BioWIN2 LITE Series

Automatic Wood Pellet Boiler Package by Pellaergy

FOR USE IN CANADA/USA



PELLERGY



The **Windhager BioWIN2 LITE Wood Pellet Boiler by Pellergy** is one of the most advanced, efficient, and low maintenance wood pellet boilers available in the world. Pellergy's 15-Year experience in the North American market, combined with Windhager's 100-year history in manufacturing combine to provide the best system solution for wood pellet heating.

The Windhager BioWIN2 LITE Boiler System by Pellergy incorporates:

- Fully automated heat transfer surface and burn pot cleaning requiring minimal maintenance throughout the heating season. Ash requires periodic removal from below burn pot
- Manually fed pellet hopper with 440LBS Capacity for bag feeding pellets
- Intuitive User Interface and controls
- Automatic firing rate modulation and advanced thermocontrol allowing the boiler to fire down to 30% of its rated output while maintaining peak efficiency without the use of Oxygen sensors
- 87% sustained efficiency (HHV) and ultra-low emissions: 2020 EPA Certified
- Unique dual ignition element design with Long Life, Ultra-Reliable Igniter
- Standards Tested/Listed to: Applicable parts of UL 391, CSA-B 366.1, ASTM E1509, UL 2523, CSA-B 415, EN 303-5. Pressure Vessel Meets EN 303-5 EU Certification.
- **Full Pellergy Installation/Delivery Package** includes: insulated thermal storage tank(s), boiler thermal controls, near boiler and thermal storage tank fittings package, boiler primary pump, relief and isolation valves, design integration package with schematic drawings and 4-hours of remote technical support, extended manufacturer's warranty

BioWIN2 LITE Boiler by Pellergy	Unit	BWL152	BWL262
Nominal thermal OUTPUT	BTU/HR	14,672 – 51,180	25,946 – 88,422
Nominal Heat Load (Firing Thermal Output)	BTU/HR	16,000 – 54,600	27,600 – 94,200
Radiation losses rated load	Btu/hr	1,092	1,126
Boiler water volume	GAL	10.3	12.4
Required Thermal Storage	GAL	119	238
Flue/Chimney Required (min)	in	5	
Circuit Breaker Required (120VAC, 60hZ)	A	20	
Power Consumption: Ignition/Vacuum Feed	W	1054/2100	
Power Consumption (Nominal Load)	W	33	48
Power Consumption (Standby)	W	6	
Net weight of fully assembled boiler	LBS	630	679
Thermal Storage Installation Dimensions (WxDxH)	in	28x28x72	65x28x72
Boiler Installation Dimensions (WxDxH) (Service Area in Front of Boiler - Required)	in in	60x42x68 22	60x45x68 22
Firing efficiency, Steady State (HHV)	%	87	87
Boiler Average Annualized Efficiency	%	76	81
Flue gas temperature (Nominal)	°F	247	273

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WOOD PELLET CENTRAL HEATING SYSTEMS