

BioWIN2 Touch Exklusiv Series

Fully Automatic Wood Pellet Boiler Package by Pellaergy

FOR USE IN CANADA / USA



PELLERGY



The **Windhager BioWIN2 Touch 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 Touch Boiler System by Pellergy incorporates:

- Fully automated heat transfer surface and burn pot cleaning with an integrated ash collection box for ease of cleanout requiring minimal maintenance throughout the heating season
- Integrated automated vacuum feed system for bulk pellets or remote pellet storage
- Intuitive Touch Screen Display and User Interface with direct internet connect capabilityⁱ
- 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 and online monitoringⁱ

BioWIN2 Touch Boiler by Pellergy	Unit	BW152T	BW262T	BW332T	
Nominal thermal OUTPUT	BTU/HR	14,672 – 51,180	25,946 – 88,422	33,400 – 110,900	
Nominal Heat Load (Firing Thermal Output)	BTU/HR	16,000 – 54,600	27,600 – 94,200	35,200 – 118,400	
Radiation losses rated load	Btu/hr	1,092	1,126	1,160	
Boiler water volume	GAL	10.3	12.4	12.4	
Required Thermal Storage	GAL	119	238	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	77	
Power Consumption (Standby)	W	6			
Net weight of fully assembled boiler	LBS	630	679	679	
Thermal Storage Installation Dimensions (WxDxH)	in	28x28x72	65x28x72		
Boiler Installation Dimensions (WxDxH) (Service Area in Front of Boiler - Required)	in in	45x42x68 22	45x45x68 22	45x45x68 22	
Firing efficiency, Steady State (HHV)	%	87	87	87	
Boiler Average Annualized Efficiency	%	76	81	81	
Flue gas temperature (Nominal)	°F	247	273	281	

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WOOD PELLET CENTRAL HEATING SYSTEMS

ⁱ Requires Customer-Supplied, wired internet connection to the boiler (requirements apply)