



Certificate of Compliance

Certificate: 80111021

Master Contract: 251769

Project: 80111021

Date Issued: 2022-01-13

Issued To: L.S. Bilodeau
281 rte. 108 Est
St-Ephrem, Quebec, G0M1R0
Canada

Attention: Sylvain Bilodeau

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Aaron Reesor
Aaron Reesor

PRODUCTS

CLASS - C886001 - SOLID FUEL BURNING PERFORMANCE Heating Appliances

CLASS - C886082 - SOLID FUEL BURNING PERFORMANCE Residential Hydronic Heaters and Forced-air Furnaces - US Standards Residential Hydronic Heaters and Forced-air Furnaces - US Standards

Hand-fired Wood Furnace

Model: Airbilo & Airbilo plus

Pellet-fired Wood Furnace

Model: Airbilo bois-granules & Airbilo plus option granules

By: L.S. Bilodeau

6 in. diameter flue



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SCOPE

This report covers the emissions rating for a Hand-fired Wood Furnace, model(s) Airbilo & Airbilo plus as well as the a Pellet Wood Furnace, model(s) Airbilo bois-granules & Airbilo plus option granules. At the time of this approval these products were also certified for safety, refer to Report Number 2675418, and subsequent Project number(s) 80102432 for details.

Hand-Fired Wood Furnace				
Model	Test Methods :	Polytests Test Data:	CSA Test Project :	Test Date :
Airbilo	CSA B415.1-10	2675418_Att26_TestPack_B_415.1-10_P-1214	2675418	Nov 5 th 2013
Airbilo Plus	Alt-134, ASTM E2515, and CSA B415.1-10	Rap_EPA furnace PI-20208 REV2 CBI	80001438	Sept 23 rd to Oct 2 nd 2019

Pellet Wood Furnace				
Models :	Test Methods :	Test Data :	Test Project :	Test Date :
Airbilo Bois-Granules	CSA B415.1-10	70145493_TestPack_PI_20111	70145493	Nov 18 th 2015
Airbilo Plus Option Granules	CSA B415.1-10	att.10 TestPack B415 PI-20208 granule B415	80001438	Dec 15 th 2019

CLASS 8860 82 – SOLID FUEL BURNING PERFORMANCE Residential Hydronic Heaters and Forced-air Furnaces - US Standards

Model	Firebox Volume (cu ft)	Emission Rate (lbs/MM BTU)	Heat Output (Btu/hr)	Heat Output, 8 Hour Average (Btu/hr)	Overall Effic (%)	Catalytic	Certified Fuel Type	CO (g/h)	Thermal Storage	Date Certified
Airbilo Plus	5.23	0.131	93,000	N/A	74.6%	N/A	Cordwood	0.049	No	June 21, 2021

** Valid for 5 years



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8860 01 – SOLID FUEL BURING PERFORMANCE, EMISSIONS RATING, Heating Appliances

Model	Average Particulate Emission Rate (g/MJ)	Minimum Overall Heat Output (Btu/hr) (1)	Maximum Overall Heat Output, (Btu/hr) (1)	Minimum Delivered Heat Output (Btu/hr)	Maximum Delivered Heat Output (Btu/hr)	Overall Effy. (%)	Catalytic (Yes/No)	Certified Fuel Type	Average Electrical Power Consumption (kW)
Airbilo	0.061	32,000	99,000	28,000	95,000	77.47%	Non-Catalytic	Crib Wood	N/A
Airbilo Bois-Granules	0.122	19,000	91,500	21,000	82,000	78.38%	Non-Catalytic	Crib Wood	0.38
Airbilo Plus	0.0557	24,750	93,000	24,710	85,000	74.6%	Non-Catalytic	Cordwood	N/A
Airbilo Plus Option Granules	0.205	12,503	72,322	10,395	69,098	51.3%	Non-Catalytic	Cordwood	0.38

Notes:

1. Applicable for central heaters only (furnaces and boilers)
2. Products verified by CSA for Energy Performance shall also conform to safety requirements of the regulatory authority and/or local authority having jurisdiction (as applicable).
3. See Report Number 2675418 and subsequent project number(s) 800102432 for details of CSA Safety Certified models

APPLICABLE REQUIREMENTS

- | | |
|---|---|
| CSA B415.1-10 | – Performance testing of Solid-Fuel-Burning heating appliances |
| CFR EPA Title 40, Part 60, Subpart A | – General Provisions |
| CFR EPA Title 40, Part 60, Subpart QQQQ | – Standards of Performance for New Residential Hydronic Heaters and Forced Air Furnaces |

TEST METHOD (EPA)

The following test methods were used during the evaluation of these products:

- ALT-134 and ASTM E2515
- CO Emission & Efficiency: CSA B415.1-10, Section 13.7



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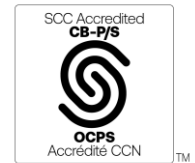
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MARKINGS

Detailed in report 80111021.

Notes:

Products certified under Class C886001, C886082 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80111021	2022-01-13	Create new Solid Fuel Emission Verification Report for Hand-Fired Wood Furnace models Airbilo / Airbilo bois-granules / Airbilo plus / Airbilo plus option granules. No change to appliance. Extract Energy Efficiency Verification (EEV) certification information with tests result of listed models from report 2675418. No testing deemed necessary.