

CERTIFICATE OF CONFORMITY

Emissions –Forced Air Heater

EPA 40 CFR Part 60, Subpart QQQQ, CSA B415.1-2010 (R2020), ASTM E2515-2017

WHI23 – 20381202

Organization

Lamppa Manufacturing, Inc.
9501 Hwy 135 North
Tower, MN 55790
USA

Product: VF100

Catalytic: No

Maximum Output: 30,002 Btu/hr

Emissions (lb/MMBtu Output): Cat 1 – 0.12, Cat 2 – 0.10, Cat 3 – 0.14, Cat 4 – 0.06

Average Delivered Efficiency (HHV): 45.1%

Test Fuel Type: Cordwood

Average CO Emissions Rate (g/min): 1.46

Conformance: Complies with 2020 particulate emissions standard

Test Report No.: 105224549MID-003R2

Certification Body: Intertek Testing Services NA, Inc.

Registered Address: 545 E. Algonquin Rd., Arlington Heights, IL 60005, USA

Initial Issue Date: 02-Feb-23

Date of Expiry: 02-Feb-28

Issue Status: 1

This is a certificate of conformity to confirm that the bearer has successfully completed the requirements of the Intertek certification scheme which include the testing of products and the initial assessment. The bearer is subject to continuing assessments of their compliance through surveillance and testing of products samples taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed. The validity of this certificate is contingent to the listing's status on the Intertek Directory of Building Products: bpdirectory.intertek.com.

Jean-Philippe Kayl
Vice President – Global
Certification



02-Feb-23

Name

Signature

Date

The certificate and schedule are held in force by regular annual surveillance visits by Intertek Testing Services NA, Inc. and the reader or user should contact Intertek to validate its status. This certificate remains the property of Intertek Testing Services NA, Inc. and must be returned to them on demand. This Certificate is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this certificate and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.

Version: 11 November 2021 SFT-BCH-OP-19c

Certificate of Conformity WHI23-20381202

Appendix A

Certificate of Conformity #:		Certificate of Conformity Issue Date:	
WHI23-20381202		February 2, 2023	
REVISION #	REVISION DATE	REPORT PAGES	REVISION
0	February 2, 2023	N/A	Original Report Issue

Revised Report #:		Report Issue Date:	
105224549MID-003		October 24, 2022	
REVISION #	REVISION DATE	REPORT PAGES	REVISION
0	October 24, 2022	N/A	Original Report Issue
1	November 18, 2022	3, 15, 16, 17, 24, 25	Added test information for tests 6, 7, and 8.
2	December 13, 2022	3, 4, 7, 9, 16, 17, 18, 28, 29, 30	Added test information for test 9,10,11. Added Teflon Filter info in sampling section. Added ATM to Deviation from Standard. Added Table 4 for averaged results.