



SOLAR RATING  
& CERTIFICATION  
CORPORATION

## CERTIFIED SOLAR COLLECTOR

SUPPLIER:  
Aéronergie, Inc.  
2000 André-C Hamel  
Drummondville, Québec J2C8B1 Canada  
www.aeronergie.com

BRAND: Aéronergie  
MODEL: Luba GL  
COLLECTOR TYPE: Air Transpired  
CERTIFICATION #: 10001798  
Original Certification: March 17, 2013  
Expiration Date: March 11, 2023

The solar collector listed below has been evaluated by the Solar Rating & Certification Corporation™ (SRCC™), an ANSI accredited and EPA recognized Certification Body, in accordance with SRCC OG-100, Operating Guidelines and Minimum Standards for Certifying Solar Collectors, and has been certified by the SRCC. This award of certification is subject to all terms and conditions of the Program Agreement and the documents incorporated therein by reference. This document must be reproduced in its entirety.

### COLLECTOR THERMAL EFFICIENCY and TEMPERATURE RISE (K at 913 W/m<sup>2</sup>) (based on aperture area)

Wind Speed	0.0 m/s (0.0 mph)		1.1 m/s (2.4 mph)		3.2 m/s (7.2 mph)		3.4 m/s (7.6 mph)	
	$\eta$	$\Delta T$	$\eta$	$\Delta T$	$\eta$	$\Delta T$	$\eta$	$\Delta T$
Air Flow Rate								
1.2 scmm/m <sup>2</sup> (4 scfm/ft <sup>2</sup> )			0.60	22.0	-	-	0.53	19.2
2.4 scmm/m <sup>2</sup> (8 scfm/ft <sup>2</sup> )			0.72	13.3	-	-	0.66	12.1
3.7 scmm/m <sup>2</sup> (12 scfm/ft <sup>2</sup> )			0.78	9.5	0.72	8.9	0.71	8.7

### TESTED COLLECTOR SPECIFICATIONS

Gross Area:	2.367 m <sup>2</sup>	25.48 ft <sup>2</sup>	Dry Weight:	Not measured
Net Aperture Area:	2.362 m <sup>2</sup>	25.42 ft <sup>2</sup>	Leakage Rate:	Not measured
Absorber Area:	2.362 m <sup>2</sup>	25.42 ft <sup>2</sup>	Test Pressure:	Not conducted

### ADDITIONAL INFORMATION

#### SOLAR COLLECTOR CONSTRUCTION DETAILS OF THE TESTED COLLECTOR

Gross Length:	2.851 m	Gross Width:	0.925 m	Gross Depth:	0.215 m
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#### COLLECTOR MATERIALS

Outer Cover:	Polymer	Enclosure back:	Steel	Back Insulation:	None
Inner Cover:	None	Enclosure side:	Steel	Side Insulation:	Foam
Absorber Description:	Steel Plate	Flow Pattern:	Plate		
Absorber Configuration:	Corrugated, Perforated	Impact Safety Rating:	0		
Absorber Coating:	Black Paint	Absorptivity, Emissivity:	Not measured		

Test Lab:	Exova Canada, Inc.	Test Report Date:	November 23, 2011		
Test Report Number:	1 0-06-S009 Interim 1	Test conducted:	Indoors		
Test Fluid:	Air	Tested in accordance with:	CSA F378-87		
Back insulation during test	Foam	Back losses included in efficiency:	Yes		

#### Remarks:

- Performance is unreliable if the collector is used at a pressure drop of less than 25 Pa because wind influences the performance unpredictably
- Wind impact on efficiency should not be extrapolated to large-scale systems because the ratio of wind-blown edge loss to gain across the surface area is diminished for large vs. small collectors (arrays).

*Shawn Martin*

Technical Director, ICC-SRCC

