Active Ventilation Products Inc.

TEST REPORT

SCOPE OF WORK

This report gives the results of air leakage and flow rate testing on a vent. The sample was selected and supplied by the client and was received at the laboratories on:

July 16, 2024

The sample appeared to be in new unused condition upon receipt.

MODEL NUMBER

RBV-6-C4-TP

Round Back Vent, 6" Diameter, 4" Collar & Tail Pipe
Residential Roof Jack Vent Cap for Exhaust Duct Applications

PROJECT NUMBER

G105373987

REPORT NUMBER

105373987CRT-004b

ISSUE DATE

July 29, 2024

REVISED DATE

10/1/2024

TEST DATE

July 16 - 24, 2024

DOCUMENT CONTROL NUMBER

DIFF.PKT.2022

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REPORT NUMBER
105373987CRT-004b

MODEL NUMBER(s)
RBV-6-C4-TP, Round Back Vent, 6" Diameter, 4" Collar & Tail Pipe

REPORT RENDERED TO:
Active Ventilation Products Inc.
311 1st
Newburgh, NY 12550

AUTHORIZATION

The testing performed was authorized by signed quote number Qu-01330540-7.

TEST STANDARDS

ANSI/AMCA Standard 500-L-23, entitled “Laboratory Methods of Testing Louvers for Rating”.

In Charge of Testing:	Reviewer:
Joey Esce Project Engineer Acoustical Testing	Brian Cyr Engineer Acoustical Testing

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SAMPLE INFORMATION **REPORT NO. 105373987CRT-004B**

ITEMS RECEIVED

Item No.	Control No.	Model No.	Description	Received
1	CRT2407161020-004	RBV-6-C4-TP	Round Back Vent, 6" Diameter	July 16, 2024

DESCRIPTION OF TEST SPECIMEN

The sample consisted of an exhaust vent cap. The inlet measured 5-3/4 inches in diameter and the vent cap measured 9 inches in diameter. The gap between the cap and collar was measured to be 1-1/4 inch.

SAMPLE PHOTOS

TEST METHODS

Air Performance testing was conducted in accordance with ANSI/AMCA Standard 500-L-23, entitled “Laboratory Methods of Testing Louvers for Rating”

Air Volume was measured employing metering stations containing appropriately sized orifice plates.

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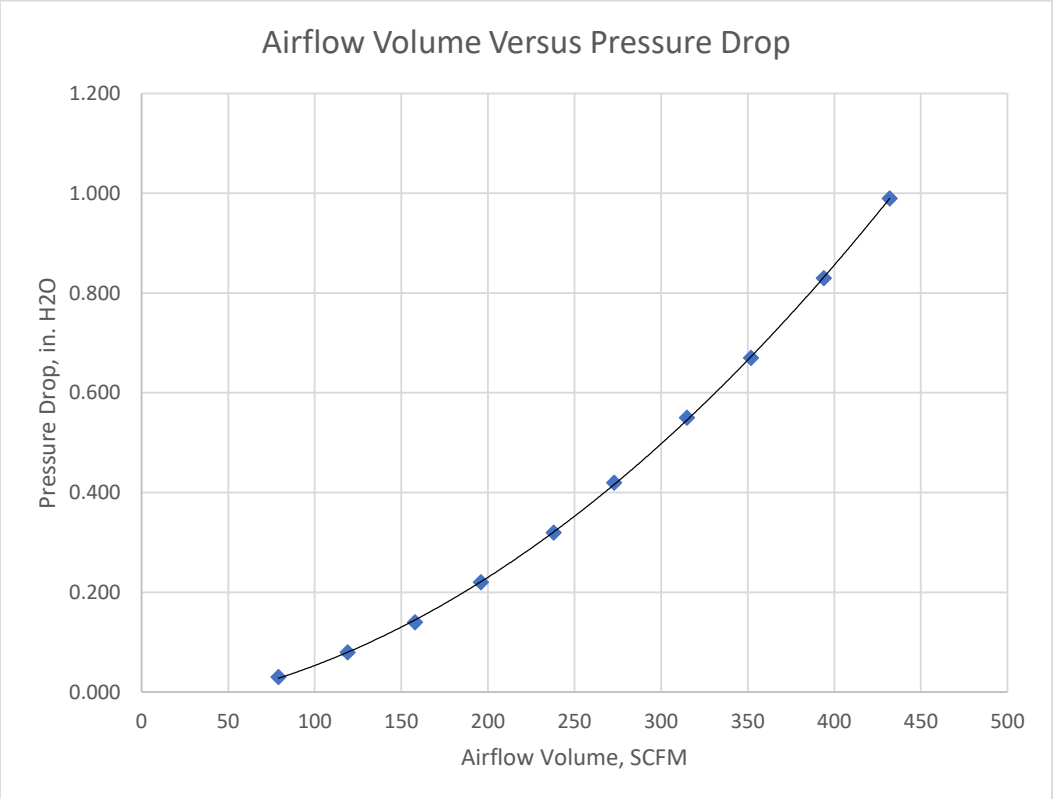
RESULTS OF TESTS

REPORT NO. 105373987CRT-004B

AIR PERFORMANCE
RBV-6-C4-TP, Round Back Vent, 6" Diameter, 4" Collar & Tail Pipe

Pressure Drop Across Vent Cap		Air Velocity	Airflow Volume
in. H_2O	Pa	fpm	SCFM
0.030	7	403	79
0.080	20	607	119
0.140	35	806	158
0.220	55	1000	196
0.320	80	1214	238
0.420	105	1393	273
0.550	137	1607	315
0.670	167	1796	352
0.830	207	2010	394
0.990	246	2204	432

fpm = feet per minute in. H20 = inches of water scfm = standard cubic feet per minute



7/29/2024

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EQUIPMENT LIST

REPORT NO. 105373987CRT-004B

#	Equipment	Model No	Control No.	Last Cal	Cal Due
5	Manometer Incline	424-5	F166	3/5/2024	3/5/2025
6	Manometer Incline	424-5	F167	3/5/2024	3/5/2025
7	RTD Pair	78N01N00N040B3	T1440/1	6/12/2024	6/12/2025
8	Barometer	PTB110	P1063	6/12/2024	6/12/2025
9					
10					
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15					
16					
17					
18					
19					
20					

Remarks:
Test Conditions During Testing:

Drybulb Temperature: 78.5ºF
Wetbulb Temperature: 69.9ºF
Barometric Pressure: 28.6 in. Hg