



# Quality Assurance Report lecc Duct Test

**PASS**

Your Result: 1.3 CFM/100 ft<sup>2</sup> (14 CFM \* 100 / 1100 ft<sup>2</sup>)  
Target < 4 CFM/100 ft<sup>2</sup>

## Test Information

Test Name	Duct test home test
Test Date	2022-04-05 01:23 PM (UTC-4)
Export id	GBUHKNRQ
Company Name	A.D. Home Inspections LLC
Technician Name	Ammon Hontz
Technician Email	adhomes@ptd.net

## Building Information

Address	131 Center Avenue
City	Jim Thorpe
State	PA
Zip/postal Code	18229
Country	United States
Year Constructed	1800
Elevation	970 ft
Address Verified?	No
Building Latitude, Longitude	Your location has not been validated.
GPS validation	Tester location not verified
Estimated Distance From Address	Not available

## Test Equipment

Fan Model	Retrotec 340
Fan Serial Number	3XLF01125
Pressure Gauge Model	Retrotec DM32 10A
Gauge Serial Number	414452

## Environmental Conditions

Pre-test Indoor Temperature	67 °F
Pre-test Outdoor Temperature	55 °F
Wind Speed	2 MPH
Average Barometric Pressure	108 kPa

## Test Dimensions

Conditioned Floor Area	1100 ft <sup>2</sup>
Envelope Area	1100 ft <sup>2</sup>
Volume	14000 ft <sup>3</sup>



## Test Results Summary

Test Type	lecc Duct Test
Flow Reference Pressure	25 Pa
Time Averaging	10 seconds
Induced Duct Pressure (includes baseline)	-25.58 Pa
Nominal Fan Flow	13.93 CFM @ 25 Pa

## Test Results

### Test Data Set 1

Flow Direction	Depressurize
Gauge Location	Outside

Measured Pressure (Pa)	-25.58
Fan Pressure [340 - 47] (Pa)	18.99
Flow (CFM)	14.12



### Test Notes

No notes entered.

### Flow Equation Parameters - Retrotec Calibrated Flow Parameters

**Fan Last Calibrated:** 2022-01-31  
**Fan Model:** Retrotec 340  
**Fan Serial Number:** 3XLF01125  
**Fan Last Calibrated:** 2022-01-31  
**Units Used For Flow Parameters in Equation:** CFM

Fan pressure (FP) is the measured fan pressure when using a self-referenced fan or when the room pressure is negative. If using a fan which is not self-referenced, and the room pressure is positive, fan pressure is calculated by subtracting the measured room pressure from the absolute value of the fan pressure.

If PrA is greater than 0 or fan is self-referencing:  $FP = |PrB| - PrA$

If PrA is less than 0 or fan is self-referencing:  $FP = PrB$

Flow calculations are not valid if fan pressure is less than either MF or  $(K2 \times |RP|)$

FP = fan pressure, RP = room pressure

Range	N	K	K1	K2	K3	K4	MF
102	0.5908	10.8003	0.0000	0.4000	0.0000	1	100
OpenD	0.4904	31.8513	0.0000	0.4000	0.0000	1	20
Open	0.4969	30.1991	0.0000	0.4000	0.0000	1	20
74	0.5006	7.3014	0.0000	0.2500	0.0000	1	15
47	0.5003	3.1701	0.0000	0.1000	0.0000	1	10
29	0.5020	1.1900	0.0000	0.2000	0.0000	1	20
18	0.4990	0.4570	0.0000	0.2500	0.0000	1	25
11	0.4800	0.2080	0.0000	0.2500	0.0000	1	25
7	0.5000	0.0718	0.0000	0.1100	0.0000	1	25

$flow = (FP - RP \times K1)^n \times (K + K3 \times FP) \times K4$