Quality Assurance Report
Iecc Blower Door Test

FAIL	Your Result: 22.21 ACH50 (5292.40 CFM50 * 60 / 14300 ft³) Target < 3 ACH50

Test Information

Test Name	Home first test
Test Date	2022-03-21 04:28 PM (UTC-4)
Export id	02FNNGFB
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	1900
Elevation	784 ft
Address Verified?	No
Building Latitude, Longitude	Your location has not been validated.
GPS validation	Latitude/Longitude: 40.866748, -75.739920; Accuracy: 335 ft
Estimated Distance From Address	Not available

Test Equipment

Fan Model	Retrotec 5000
Fan Serial Number	SFN103856
Pressure Gauge Model	Retrotec DM32 10A
Gauge Serial Number	414452

Environmental Conditions

Pre-test Indoor Temperature	66 °F
Pre-test Outdoor Temperature	60 °F
Wind Speed	5 MPH
Average Barometric Pressure	102 kPa

Test Dimensions

Conditioned Floor Area	1100 ft²
Volume	14300 ft³

Test Results Summary

Test Type	Iecc Blower Door Test
Flow Reference Pressure	50 Pa
Time Averaging	10 seconds
Induced House Pressure (includes baseline)	-49.33 Pa
Nominal Fan Flow	5292.4 CFM @ 50 Pa
Corrected Flow	5292.4 CFM @ 50 Pa
Air Changes Per Hour	22.206

Test Results

Test Data Set 1

Flow Direction	Depressurize
Gauge Location	Inside

Baseline Pressure, Initial (Pa)

0.1	0.1	0.1	0	0	-0.2	-0.2	-0.1	0	0.1

Baseline Duration	11 seconds
Average baseline	-0.01 Pa

Measured Pressure (Pa)	-49.34
Fan Pressure [5000 - Open] (Pa)	93.33
Flow (CFM)	5246.19

Test Notes

No notes entered.

Flow Equation Parameters - Factory Default

Fan Model Retrotec 5000

Fan Serial Number SFN103856

Flow equation parameters - B1

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 x |RP|)

FP = fan pressure, RP = room pressure

Range	N	K	K1	K2	K3	K4	MF
Open	0.4980	548.0000	0.0000	0.3000	0.0000	1	10
A	0.5020	287.0000	0.0000	0.4000	0.0000	1	20
B8	0.5400	113.2500	0.0000	0.7000	0.0000	1	40

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

Range	A	B	C	D	F	G	K2	MF
B4	0.0000079426	-0.00864000	4.9000	206.00	-0.19	29	0.8000	40
B2	0.0000008800	-0.00290000	2.1500	90.00	0.10	30	1.0000	50
B1	0.0000005000	-0.00128000	1.0200	54.00	0.00	30	1.0000	60
B74	0.0000007960	-0.00095010	0.5900	18.00	0.15	25	0.8000	35
B47	0.0000002690	-0.00035905	0.2435	12.05	0.09	25	1.0000	50
B29	0.0000001110	-0.00014900	0.0920	4.40	-0.02	25	0.6000	50

$flow = (A \times FP^3) + (B \times FP^2) + (C \times FP) + D + ((G - RP) \times F)$