

BUILDING LEAKAGE TEST

Date of Test: 2/13/2016

Test File: Untitled

Customer: Jon Wagar

Technician: Jim Johnson

Project Number: Sales Model

Building Address: Same as address

Test Results

- Airflow at 50 Pascals: 919 CFM50
(50 Pa = 0.2 w.c.) 1.73 ACH50
 - Leakage Area: 50.5 in2 LBL ELA @ 4 Pa
 - Building Leakage Curve: Flow Coefficient (C) = 72.3
Exponent (n) = 0.650 (Assumed)
 - Test Settings: Test Standard: RESNET One-Point Test
Test Mode: Depressurization
 - Accuracy Level Standard Level of Accuracy Test
-

Infiltration Estimates

- Estimated Average Annual Infiltration Rate: 60.9 CFM
0.11 ACH
12.2 CFM per person
(using bedrooms + 1)
 - Estimated Design Infiltration Rate: Winter: 91.4 CFM Summer: 75.3 CFM
0.17 ACH 0.14 ACH
-

Cost Estimates

- Estimated Cost of Air Leakage for Heating: \$ 91 per year heating
- Estimated Cost of Air Leakage for Cooling: \$ 1 per year cooling

BUILDING LEAKAGE TEST Page 2 of 4Date of Test: 2/13/2016 Test File: Untitled

Building Information

Volume	31832
Surface Area	1980
Floor Area	3300
Height	14
# of Bedrooms	4
# of Occupants	2
Year of Construction	2015
Wind Shield	M

Location Climate Information

Ventilation Weather Factor	1.10
Energy Climate Factor	15.00
Heating Degree Days	9092
Cooling Degree Days	222
Design Winter Wind Speed	8.0 mph
Design Summer Wind Speed	14.6 mph
Design Winter Temp Diff	87 deg F
Design Summer Temp Diff	13 deg F

Heating and Cooling Cost and Efficiency Information

Heating Fuel	Propane
Heating Fuel Cost	\$0.79/gallon
Heating Efficiency %	95.00
Cooling Fuel Cost	\$0.075/kwh
Cooling SEER	24.0

Equipment Information

Type	Manufacturer	Model	Serial Number	Custom Calibration Date
Fan	Energy Conservatory	Model 3 (110V)		Default
Micromanometer	Energy Conservatory	DG700		

BUILDING LEAKAGE TEST Page 3 of 4

Date of Test: 2/13/2016 Test File: Untitled

Depressurization Test:

Environmental Data

Indoor Temperature (°F)	Outdoor Temperature (°F)	Altitude (ft)
68.0	14.0	1490.0

Baseline Pressure Data

Baseline 1 (Pa)	1
Baseline 2	3
Baseline 3	2
Baseline 4	1
Baseline 5	4
Average Baseline (Pa)	2.2
Baseline Range (Pa)	3.0

Data Points - Data Entered Manually

Nominal Building Pressure (Pa)	Baseline Adjusted Building Pressure (Pa)	Fan Pressure (Pa)	Nominal Flow (cfm)	Adjusted Flow (cfm)	Fan Configuration
-50.5	-52.7	308.2	1038	951	Ring B

Time Averaging Period: 5

Deviations from Standard RESNET One-Point Test - Test Parameters

- The Time Averaging Period is less than 10 seconds.

BUILDING LEAKAGE TEST Page 4 of 4

Date of Test: 2/13/2016 Test File: Untitled

Comments

None
