BUILDING LEAKAGE TEST

Date of Test: 20/05/2021 Test File: Cat door unsealed

Technician: JD
Project Number:

Customer: Rosemeier Building Address: Cat flap unsealed

Phone:
Fax:

Test Results at 50 Pascals:

q_{50} : l/s (Airflow) 15 (+/- 0.4 %)

n_{50} :

q_{F50} :

q_{E50} :

Leakage Areas:

ELA_{50} : m² 0.0016 (+/- 0.4 %)

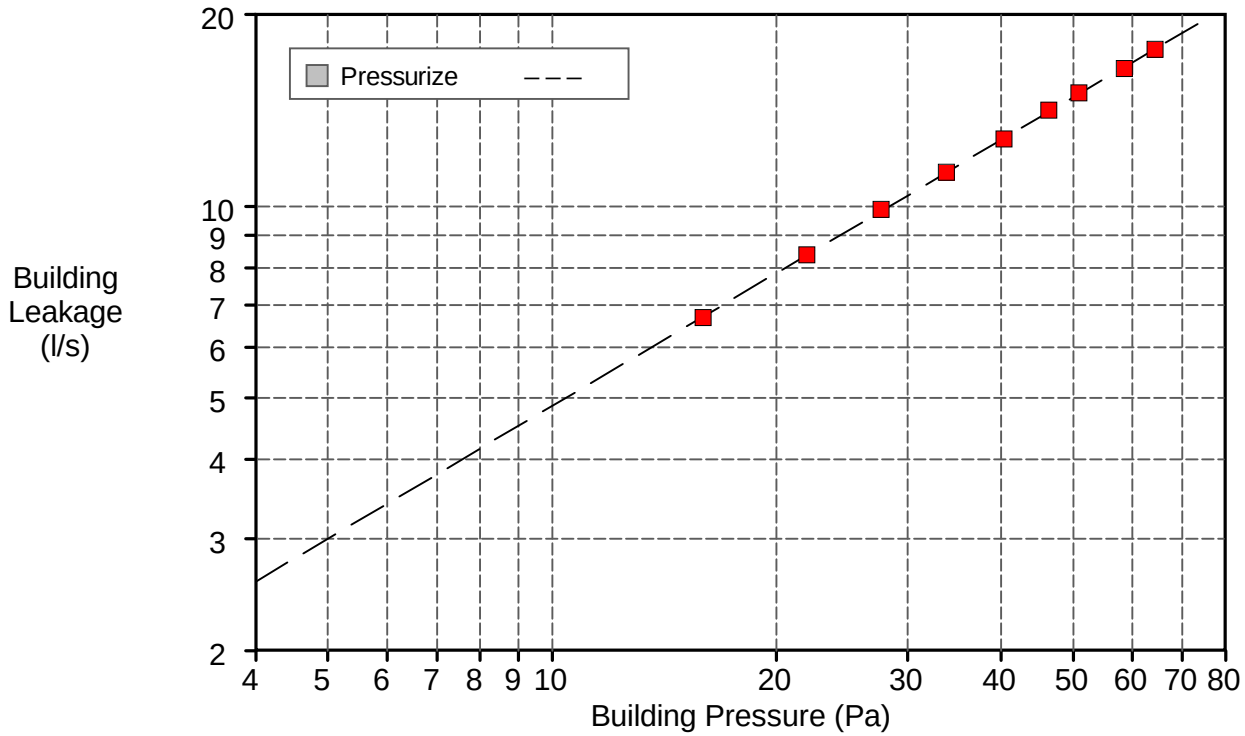
ELA_{F50} :

ELA_{E50} :

Building Leakage Curve:

Air Flow Coefficient (C_{env}) = 1.0 l/s/Paⁿ (+/- 2.6 %)
Air Leakage Coefficient (C_L) = 1.0 l/s/Paⁿ (+/- 2.6 %)
Exponent (n) = 0.694 (+/- 0.007)
Coefficient of Determination (r^2) = 0.99986

Test Standard: ISO 9972
Test Mode: Pressurization
Type of Test Method: Method 3 - Test of Building for a specific purpose
Purpose of Test:



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Building Information

Internal Volume, V (m^3) (according to ISO)	
Net Floor Area, A_F (m^2) (according to ISO)	
Envelope Area, A_E (m^2) (according to ISO)	
Height (m)	
Uncertainty of Dimensions (%)	
Year of Construction	
Type of Heating	
Type of Air Conditioning	
Type of Ventilation	None
Building Wind Exposure	Highly Protected Building
Wind Class	Calm

Equipment Information

Type	Manufacturer	Model	Serial Number	Custom Calibration Date
Fan	Energy Conservatory	Model 4 (230V)	CE3429	-
Micromanometer	Energy Conservatory	DG700	32873	15/10/2019

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Pressurization Test:

Environmental Data

Indoor Temperature (°C)	Outdoor Temperature (°C)	Barometric Pressure (Pa)
19.0	19.0	101325.0

Baseline Pressure Data

Pre-Test

$\Delta p_{0,1}$-	$\Delta p_{0,1}$+	$\Delta p_{0,1}$
-0.0	0.0	-0.0

Post-Test

$\Delta p_{0,2}$-	$\Delta p_{0,2}$+	$\Delta p_{0,2}$
-0.0	0.0	0.0

Data Points - Automated Test (TTE 5.0.8.4)

Nominal Building Pressure (Pa)	Baseline adjusted Building Pressure (Pa)	Fan Pressure (Pa)	Nominal Flow q_r (l/s)	Adjusted Flow q_{env} (l/s)	Adjusted Flow q_L (l/s)	% Error	Fan Configuration
-0.0	n/a	n/a					
64.4	64.4	26.1	18	18	18	-0.2	Ring D
58.6	58.6	22.7	16	16	16	-0.5	Ring D
50.9	50.9	19.0	15	15	15	0.3	Ring D
46.4	46.4	16.9	14	14	14	0.5	Ring D
40.4	40.4	80.6	13	13	13	-0.2	Ring E
33.8	33.8	63.6	11	11	11	-0.1	Ring E
27.6	27.6	49.1	10	10	10	0.5	Ring E
22.0	22.0	35.8	8	8	8	0.0	Ring E
16.0	16.0	23.1	7	7	7	-0.4	Ring E
0.0	n/a	n/a					

Deviations from Standard ISO 9972 - Test Parameters

- The minimum pressure is not within +/- 3Pa of the greater of 10 Pa or (5 * zero-flow pressure Δp01).

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Comments

None