

# OPEN A DOOR ( ZONE PRESSURE - SERIES LEAKAGE DIAGNOSTICS )

## FOR OPENING THE DOOR FROM GARAGE TO HOUSE

All Doors to Garage Closed (House in winter mode)

Get Blower Door to -50PA WRT Outside

- A Measure House CFM 50 for Door Closed
- B Measure Closed Door Zonal Pressure House WRT Garage  
(If Closed Door Zonal Pressure less than 25PA you should use other side of this Sheet)

Open Door from Garage to House

Get Blower Door Back to -50PA WRT Outside

- C Measure House CFM 50 for Door Open  
Measure Zonal Pressure House WRT Garage (Should be 0)

- D CFM 50 Difference = CFM 50 Door Open - CFM 50 Door Closed

Look up Closed Door Zonal Pressure for House WRT Garage on Table

Enter Multipliers into labeled Multiplier Boxes Below

Multiply CFM 50 Difference (D) x Multiplier in each row for results

Divide CFM 50 by 10 in each row To Determine Approx. Square inches of Leakage

B	A	C	D
Closed Door Pressure House WRT Garage	CFM 50 Door Closed	CFM 50 Door Open	CFM 50 Difference (C-A)

### Leakage from Garage to House

(D) CFM 50 Difference	Multiplier	CFM 50	Square Inches
	x (int)		

### Leakage from Garage to Outside

(D) CFM 50 Difference	Multiplier	CFM 50	Square Inches
	x (ext)		

### Total Path Leakage

(D) CFM 50 Difference	Multiplier	Maximum CFM 50 Reduction Available
	x (path)	

Open House Door to Garage					
Check G/O	closed pressure		multiply CFM50 change by...		
	H/G	G/O	int	ext	path
48	2	0.14	1.14	0.14	
47	3	0.20	1.19	0.19	
46	4	0.25	1.24	0.24	
45	5	0.31	1.29	0.29	
44	6	0.37	1.34	0.34	
43	7	0.43	1.39	0.39	
42	8	0.49	1.44	0.44	
41	9	0.56	1.49	0.49	
40	10	0.63	1.54	0.54	
39	11	0.70	1.60	0.60	
38	12	0.78	1.65	0.65	
37	13	0.87	1.71	0.71	
36	14	0.96	1.78	0.78	
35	15	1.06	1.84	0.84	
34	16	1.17	1.91	0.91	
33	17	1.29	1.98	0.98	
32	18	1.42	2.06	1.06	
31	19	1.56	2.14	1.14	
30	20	1.71	2.23	1.23	
29	21	1.88	2.32	1.32	
28	22	2.07	2.42	1.42	
27	23	2.27	2.52	1.52	
26	24	2.50	2.64	1.64	
25	25	2.76	2.76	1.76	
below here you should probably use other side of card					
24	26	3.04	2.89	1.89	
23	27	3.36	3.03	2.03	
22	28	3.73	3.18	2.18	
21	29	4.14	3.35	2.35	
20	30	4.61	3.54	2.54	
19	31	5.15	3.74	2.74	
18	32	5.77	3.97	2.97	
17	33	6.50	4.23	3.23	
16	34	7.36	4.51	3.51	
15	35	8.38	4.83	3.83	

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