

TABLE 14. AIR LEAKAGE IN CUBIC FEET PER HOUR AND B.T.U. NECESSARY TO HEAT SUCH LEAKAGE FROM 0 TO 70 DEG. FAHR. FOR CRACKS INDICATED AND $\frac{3}{64}$ IN. CLEARANCE, WINDOW UNLOCKED

WIND VELOCITY MILES PER HOUR	PER SQ. FT. OF 13" BRICK WALL; PLASTERED		PER FT. OF UNCALKED CRACK AROUND FRAME		PER FT. OF CRACK AROUND THE SASH INCLUDING MEETING RAIL	
	Leakage Cu. Ft. per Hour	B.t.u.	Leakage Cu. Ft. per Hour	B.t.u.	Plain Unstripped Wood Window	
					Leakage Cu. Ft. per Hour	B.t.u.
PART I						
5.0	0.666	0.845	1.76	2.22	49.1	62.5
7.5	1.73	2.20	7.95	10.1	78.6	100.0
10.0	3.07	3.90	14.1	17.9	106.0	134.0
15.0	6.66	8.45	28.3	35.9	155.0	197.0
20.0	10.7	13.5	38.8	49.3	201.0	256.0
30.0	19.9	25.1	67.1	85.3	291.0	370.0
40.0	31.5	40.0	95.0	121.0	386.0	491.0
50.0	42.9	54.5	111.0	141.0	498.0	634.0
PART II						
5.0	.532	.676	1.41	1.77	39.3	50.0
7.5	1.38	1.63	3.12	3.90	62.8	80.0
10.0	2.46	3.12	5.33	6.76	84.9	107.0
15.0	5.33	6.76	11.3	14.3	124.0	157.0
20.0	8.54	10.8	18.1	22.9	161.0	204.0
30.0	16.0	20.5	31.1	39.4	233.0	296.0
40.0	25.2	32.0	46.5	58.2	309.0	392.0
50.0	33.3	43.6	60.9	76.0	390.0	507.0
PART III						
5.0	.532	.676	1.41	1.77	39.3	50.0
7.5	1.38	1.63	3.12	3.90	62.8	80.0
10.0	2.46	3.12	5.33	6.76	84.9	107.0
15.0	5.33	6.76	11.3	14.3	124.0	157.0
20.0	8.54	10.8	18.1	22.9	161.0	204.0
30.0	16.0	20.5	31.1	39.4	233.0	296.0
40.0	25.2	32.0	46.5	58.2	309.0	392.0
50.0	33.3	43.6	60.9	76.0	390.0	507.0

TABLE 15. LEAKAGE FOR DOUBLE HUNG UNLOCKED WINDOWS C. F. H. PER FOOT OF CRACK PER MILE WIND VELOCITY AND B.T.U. PER HOUR PER FOOT OF CRACK PER MILE WIND VELOCITY PER 70 DEGREES TEMPERATURE DIFFERENCE

WIND VELOCITY MILES PER HOUR	PLAIN WINDOW		WEATHER-STRIPPED WINDOW			
	Crack Clearance	$\frac{1}{8}$ " - $\frac{1}{4}$ "	$\frac{1}{8}$ "		$\frac{3}{16}$ "	
			Leakage	B.t.u.	Leakage	B.t.u.
PART I						
Results						
1/32			1.32	1.67	1.48	1.87
1/16			1.56	1.98	1.72	2.18
1/8			1.67	2.11	1.83	2.32
3/16			1.71	2.17	1.89	2.39
1/4			1.74	2.20	1.94	2.45
			1.75	2.22	1.96	2.48
PART II						
Average Results						
1/32	4.3	5.45	1.85	2.30	1.99	2.42
1/16	6.6	8.36	2.04	2.58	2.21	2.70
1/8	8.9	11.9	2.15	2.72	2.33	2.84
3/16	11.2	14.2	2.19	2.78	2.39	2.91
1/4	15.7	19.9	2.23	2.82	2.44	2.97
	20.2	25.6	2.24	2.84	2.47	3.00
PART III						
Values for practical use; Average values reduced by 20 per cent to allow for pressure in room, etc.						
1/32	3.4	4.36	1.48	1.84	1.60	1.93
1/16	5.2	6.68	1.63	2.06	1.76	2.16
1/8	7.1	9.5	1.72	2.17	1.86	2.27
3/16	8.9	11.3	1.75	2.22	1.91	2.32
1/4	12.5	15.9	1.78	2.25	1.95	2.37
	16.1	20.4	1.79	2.27	1.97	2.40
PART IV						
Results						
1/32			1.63	2.07	1.79	2.27
1/16			1.88	2.39	2.05	2.59
1/8			2.00	2.54	2.17	2.75
3/16			2.06	2.62	2.24	2.84
1/4			2.13	2.70	2.33	2.95
			2.17	2.75	2.38	3.02
PART V						
Average Results						
1/32	2.21	2.81	2.21	2.81	2.56	3.25
1/16	2.46	3.12	2.46	3.12	2.80	3.55
1/8	2.58	3.28	2.58	3.28	2.94	3.72
3/16	2.66	3.37	2.66	3.37	3.04	3.84
1/4	2.74	3.47	2.74	3.47	3.15	3.99
	2.79	3.53	2.79	3.53	3.24	4.10
PART VI						
Results						
1/32			1.76	2.24	2.04	2.60
1/16			1.96	2.49	2.24	2.84
1/8			2.06	2.62	2.35	2.97
3/16			2.12	2.69	2.43	3.07
1/4			2.19	2.77	2.52	3.19
			2.23	2.82	2.59	3.28