

PERFORMANCE DATA

MODELS: OL4-FLANGE-J, OL4-CHANNEL-J

FREE AREA in Square Feet and Square Meters

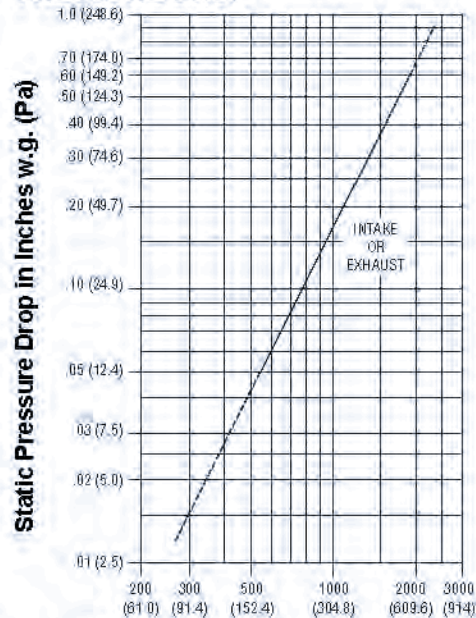
		Width in Inches and Meters																		
		12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
Height in Inches and Meters	12	0.25	0.39	0.54	0.69	0.84	0.99	1.14	1.29	1.44	1.59	1.74	1.89	2.04	2.19	2.34	2.49	2.64	2.79	2.94
	30	0.02	0.03	0.05	0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17	0.19	0.20	0.21	0.22	0.25	0.26	0.27
	18	0.52	0.83	1.14	1.46	1.77	2.09	2.40	2.71	3.03	3.34	3.65	3.97	4.28	4.59	4.91	5.22	5.53	5.85	6.16
	48	0.05	0.07	0.10	0.13	0.16	0.19	0.22	0.25	0.28	0.31	0.34	0.36	0.39	0.42	0.45	0.49	0.51	0.54	0.57
	24	0.80	1.28	1.77	2.25	2.73	3.22	3.70	4.19	4.67	5.15	5.64	6.12	6.60	7.09	7.57	8.05	8.54	9.02	9.50
	81	0.07	0.12	0.16	0.21	0.25	0.29	0.34	0.38	0.43	0.47	0.52	0.56	0.61	0.65	0.70	0.75	0.79	0.84	0.88
	30	1.04	1.67	2.30	2.93	3.56	4.19	4.82	5.45	6.08	6.71	7.34	7.97	8.60	9.23	9.86	10.49	11.12	11.75	12.38
	76	0.09	0.15	0.21	0.27	0.33	0.39	0.44	0.50	0.56	0.62	0.68	0.74	0.79	0.85	0.91	0.98	1.03	1.09	1.15
	36	1.33	2.13	2.93	3.73	4.53	5.33	6.13	6.93	7.73	8.53	9.33	10.13	10.93	11.73	12.53	13.33	14.13	14.93	15.73
	91	0.12	0.19	0.27	0.34	0.42	0.49	0.57	0.64	0.71	0.79	0.86	0.94	1.01	1.09	1.16	1.24	1.31	1.39	1.46
	42	1.58	2.52	3.47	4.42	5.37	6.32	7.27	8.22	9.16	10.11	11.06	12.01	12.96	13.91	14.86	15.81	16.76	17.71	18.66
	1.07	0.14	0.23	0.32	0.41	0.49	0.58	0.67	0.76	0.85	0.94	1.02	1.11	1.20	1.29	1.38	1.47	1.56	1.65	1.73
	48	1.85	2.97	4.09	5.20	6.32	7.43	8.62	9.66	10.78	11.89	13.01	14.12	15.24	16.35	17.47	18.58	19.70	20.81	21.93
	1.22	0.17	0.27	0.38	0.48	0.58	0.69	0.80	0.89	1.00	1.10	1.20	1.31	1.41	1.52	1.62	1.73	1.83	1.93	2.04
	54	2.11	3.38	4.64	5.91	7.18	8.44	9.71	10.98	12.25	13.51	14.78	16.05	17.32	18.58	19.85	21.12	22.38	23.64	24.91
	1.37	0.19	0.31	0.43	0.54	0.66	0.78	0.90	1.02	1.13	1.25	1.37	1.49	1.60	1.72	1.84	1.96	2.08	2.20	2.32
	60	2.38	3.81	5.25	6.68	8.11	9.54	10.97	12.41	13.84	15.27	16.70	18.13	19.57	21.00	22.43	23.86	25.29	26.73	28.16
	1.52	0.22	0.35	0.48	0.62	0.75	0.88	1.02	1.15	1.28	1.41	1.55	1.68	1.81	1.95	2.08	2.22	2.35	2.48	2.62
	66	2.67	4.27	5.87	7.47	9.08	10.68	12.28	13.88	15.48	17.09	18.69	20.29	21.89	23.50	25.10	26.70	28.30	29.91	31.51
	1.68	0.24	0.39	0.54	0.69	0.84	0.99	1.14	1.29	1.43	1.58	1.73	1.88	2.03	2.18	2.33	2.48	2.63	2.78	2.93
72	2.91	4.66	6.41	8.16	9.91	11.66	13.41	15.16	16.91	18.66	20.40	22.15	23.90	25.65	27.40	29.14	30.89	32.64	34.39	
1.83	0.27	0.43	0.59	0.75	0.92	1.08	1.24	1.40	1.57	1.73	1.89	2.05	2.22	2.38	2.54	2.71	2.87	3.03	3.20	
78	3.19	5.11	7.03	8.94	10.86	12.78	14.70	16.62	18.53	20.45	22.37	24.29	26.20	28.12	30.04	31.96	33.87	35.79	37.71	
1.98	0.29	0.47	0.65	0.83	1.01	1.18	1.36	1.54	1.72	1.90	2.07	2.25	2.43	2.61	2.79	2.97	3.15	3.33	3.50	
84	3.45	5.52	7.59	9.65	11.72	13.79	15.86	17.93	20.00	22.07	24.14	26.21	28.28	30.35	32.42	34.49	36.56	38.63	40.70	
2.13	0.32	0.51	0.70	0.89	1.09	1.28	1.47	1.66	1.85	2.05	2.24	2.43	2.62	2.82	3.01	3.21	3.40	3.59	3.78	
90	3.72	5.95	8.19	10.42	12.66	14.89	17.13	19.36	21.60	23.83	26.06	28.30	30.53	32.77	35.00	37.24	39.47	41.71	43.94	
2.29	0.34	0.55	0.76	0.96	1.17	1.38	1.59	1.79	2.00	2.21	2.42	2.62	2.83	3.04	3.25	3.46	3.67	3.88	4.08	
96	4.00	6.41	8.81	11.22	13.62	16.03	18.43	20.84	23.24	25.65	28.05	30.46	32.86	35.27	37.67	40.07	42.48	44.88	47.28	
2.44	0.37	0.59	0.81	1.04	1.26	1.48	1.71	1.93	2.16	2.38	2.60	2.83	3.05	3.27	3.50	3.72	3.95	4.16	4.39	

AIRFLOW/WATER PENETRATION DATA for 48" x 48" (1219 x 1219) Louver Size

Free Area %	54%
Free Area sq. ft. (sq. m.)	8.62 (0.80)
Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration)	722 fpm (220 m/min.)
Air Volume at 722 fpm	6224 cfm (2937 l/s)
Free Area Velocity	
Pressure Drop @ 722 fpm	.09 in. w.g. (22 Pa)

NOTE: To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is **below** the point of beginning water penetration.

PRESSURE DROP



Air Velocity in Feet (Meters) Per Minute Through Free Area

Louver test size: 48" x 48" (1219 x 1219 mm). Standard air density @ 0.075 lbs/ft³.

PERFORMANCE DATA

MODELS: OL2-FLANGE-CHEVRON, OL2-CHANNEL-CHEVRON

FREE AREA in Square Feet and Square Meters

		Width in Inches and Meters																		
		12 0.30	18 0.46	24 0.61	30 0.76	36 0.91	42 1.07	48 1.22	54 1.37	60 1.52	66 1.68	72 1.83	78 1.98	84 2.13	90 2.29	96 2.44	102 2.59	108 2.74	114 2.90	120 3.05
Height in Inches and Meters	12 0.30	0.35 0.03	0.56 0.05	0.77 0.07	0.98 0.09	1.18 0.11	1.39 0.13	1.60 0.15	1.81 0.17	2.01 0.19	2.22 0.21	2.43 0.23	2.64 0.24	2.84 0.26	3.05 0.28	3.26 0.30	3.47 0.32	3.67 0.34	3.88 0.36	4.09 0.38
	18 0.46	0.62 0.06	0.99 0.09	1.35 0.13	1.72 0.16	2.08 0.19	2.45 0.23	2.81 0.26	3.18 0.30	3.54 0.33	3.91 0.36	4.27 0.40	4.63 0.43	5.00 0.46	5.36 0.50	5.73 0.53	6.09 0.57	6.46 0.60	6.82 0.63	7.19 0.67
	24 0.61	0.84 0.08	1.33 0.12	1.82 0.17	2.31 0.21	2.80 0.26	3.29 0.31	3.79 0.35	4.28 0.40	4.77 0.44	5.26 0.49	5.75 0.53	6.24 0.58	6.73 0.63	7.22 0.67	7.71 0.72	8.21 0.76	8.70 0.81	9.19 0.85	9.68 0.90
	30 0.76	1.11 0.10	1.76 0.16	2.40 0.22	3.05 0.28	3.70 0.34	4.35 0.40	5.00 0.46	5.65 0.52	6.30 0.58	6.94 0.65	7.59 0.71	8.24 0.77	8.89 0.83	9.54 0.89	10.19 0.95	10.83 1.01	11.48 1.07	12.13 1.13	12.78 1.19
	36 0.91	1.38 0.13	2.18 0.20	2.99 0.28	3.79 0.35	4.60 0.43	5.41 0.50	6.21 0.58	7.02 0.65	7.82 0.73	8.63 0.80	9.43 0.88	10.24 0.95	11.05 1.03	11.85 1.10	12.66 1.18	13.46 1.25	14.27 1.33	15.07 1.40	15.88 1.48
	42 1.07	1.65 0.15	2.61 0.24	3.57 0.33	4.53 0.42	5.50 0.51	6.46 0.60	7.42 0.69	8.39 0.78	9.35 0.87	10.31 0.96	11.28 1.05	12.24 1.14	13.20 1.23	14.17 1.32	15.13 1.41	16.09 1.49	17.05 1.58	18.02 1.67	18.98 1.76
	48 1.22	1.91 0.18	3.03 0.28	4.15 0.39	5.28 0.49	6.40 0.59	7.52 0.70	8.64 0.80	9.76 0.91	10.88 1.01	12.00 1.11	13.12 1.22	14.24 1.32	15.36 1.43	16.48 1.53	17.60 1.64	18.72 1.74	19.84 1.84	20.96 1.95	22.08 2.05
	54 1.37	2.18 0.20	3.38 0.31	4.62 0.43	5.87 0.55	7.12 0.66	8.36 0.78	9.61 0.89	10.86 1.01	12.10 1.12	13.35 1.24	14.60 1.36	15.84 1.47	17.09 1.59	18.34 1.70	19.59 1.82	20.83 1.94	22.08 2.05	23.33 2.17	24.57 2.28
	60 1.52	2.40 0.22	3.80 0.35	5.21 0.48	6.61 0.61	8.02 0.74	9.42 0.88	10.82 1.01	12.23 1.14	13.63 1.27	15.04 1.40	16.44 1.53	17.84 1.66	19.25 1.79	20.65 1.92	22.06 2.05	23.46 2.18	24.86 2.31	26.27 2.44	27.67 2.57
	66 1.68	2.67 0.25	4.23 0.39	5.79 0.54	7.35 0.68	8.91 0.83	10.47 0.97	12.04 1.12	13.60 1.26	15.16 1.41	16.72 1.55	18.28 1.70	19.84 1.84	21.40 1.99	22.96 2.13	24.52 2.28	26.08 2.42	27.64 2.57	29.20 2.71	30.76 2.86
	72 1.83	2.94 0.27	4.65 0.43	6.37 0.59	8.09 0.75	9.81 0.91	11.53 1.07	13.25 1.23	14.97 1.39	16.69 1.55	18.40 1.71	20.12 1.87	21.84 2.03	23.56 2.19	25.28 2.35	27.00 2.51	28.72 2.67	30.44 2.83	32.15 2.99	33.87 3.15
	78 1.98	3.20 0.30	5.08 0.47	6.96 0.65	8.83 0.82	10.71 0.99	12.59 1.17	14.46 1.34	16.34 1.52	18.21 1.69	20.09 1.87	21.97 2.04	23.84 2.21	25.72 2.39	27.59 2.56	29.47 2.74	31.35 2.91	33.22 3.09	35.10 3.26	36.97 3.43
	84 2.13	3.42 0.32	5.42 0.50	7.43 0.69	9.43 0.88	11.43 1.06	13.43 1.25	15.44 1.43	17.44 1.62	19.44 1.81	21.44 1.99	23.45 2.18	25.45 2.36	27.45 2.55	29.45 2.74	31.46 2.92	33.46 3.11	35.46 3.29	37.46 3.48	39.47 3.67
	90 2.29	3.69 0.34	5.85 0.54	8.01 0.74	10.17 0.94	12.33 1.15	14.49 1.35	16.65 1.55	18.81 1.75	20.97 1.95	23.13 2.15	25.29 2.35	27.45 2.55	29.61 2.75	31.77 2.95	33.93 3.15	36.09 3.35	38.25 3.55	40.41 3.75	42.57 3.95
	96 2.44	3.96 0.37	6.28 0.58	8.59 0.80	10.91 1.01	13.23 1.23	15.54 1.44	17.86 1.66	20.18 1.87	22.50 2.09	24.81 2.31	27.13 2.52	29.45 2.74	31.76 2.95	34.08 3.17	36.40 3.38	38.71 3.60	41.03 3.81	43.35 4.03	45.67 4.24
	102 2.59	4.18 0.39	6.69 0.62	9.20 0.85	11.71 1.09	14.22 1.32	16.73 1.55	19.24 1.79	21.74 2.02	24.25 2.25	26.76 2.49	29.27 2.72	31.78 2.95	34.29 3.19	36.80 3.42	39.31 3.65	41.82 3.88	44.33 4.12	46.83 4.35	49.34 4.58
108 2.74	4.45 0.41	7.12 0.66	9.79 0.91	12.47 1.16	15.14 1.41	17.81 1.65	20.48 1.90	23.15 2.15	25.82 2.40	28.49 2.65	31.16 2.90	33.83 3.14	36.51 3.39	39.18 3.64	41.85 3.89	44.52 4.14	47.19 4.38	49.86 4.63	52.53 4.88	
114 2.90	4.72 0.44	7.56 0.70	10.39 0.97	13.22 1.23	16.06 1.49	18.89 1.75	21.72 2.02	24.55 2.28	27.39 2.54	30.22 2.81	33.05 3.07	35.89 3.33	38.72 3.60	41.55 3.86	44.39 4.12	47.22 4.39	50.05 4.65	52.89 4.91	55.72 5.18	
120 3.05	4.99 0.46	7.99 0.74	10.98 1.02	13.98 1.30	16.97 1.58	19.97 1.86	22.96 2.13	25.96 2.41	28.96 2.69	31.95 2.97	34.95 3.25	37.94 3.52	40.94 3.80	43.93 4.08	46.93 4.36	49.92 4.64	52.92 4.92	55.91 5.19	58.91 5.47	

PERFORMANCE DATA

MODELS: OL2-FLANGE-CHEVRON, OL2-CHANNEL-CHEVRON

**AIRFLOW / WATER PENETRATION DATA
for 48" x 48" (1219 x 1219) Louver Size**

Free Area %		54%
Free Area sq. ft. (sq. m.)		8.64 (0.80)
I N T A K E	Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration)	1025 fpm (312 m/min.)
	Air Volume at 1025 fpm	8856 cfm (4179 l/s)
	Free Area Velocity	
	Pressure Drop @ 1025 fpm	32 in. w.g. (80 Pa)

NOTE: To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is **below** the point of beginning water penetration.

WIND DRIVEN RAIN PERFORMANCE

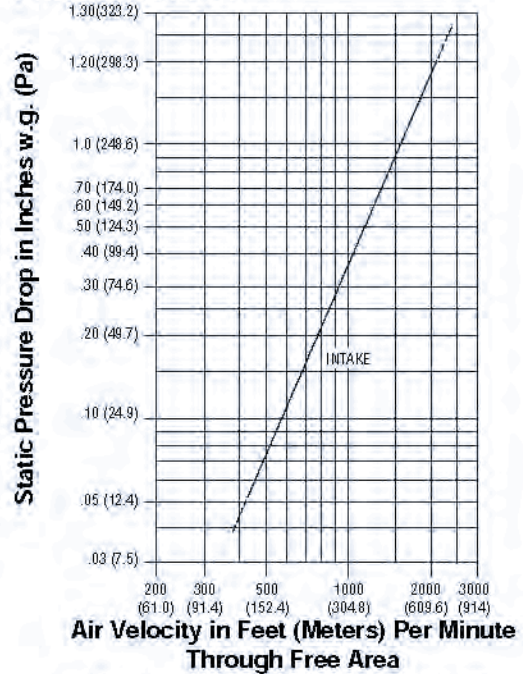
Core Ventilation	0	98	197	295	394	492	591	689
Rate in fpm (m/s)	(0.0)	(0.5)	(1.0)	(1.5)	(2.0)	(2.5)	(3.0)	(3.5)
Free Area Ventilation	0	181	364	545	727	908	1091	1272
Rate in fpm (m/s)	(0.0)	(0.9)	(1.8)	(2.8)	(3.7)	(4.6)	(5.5)	(6.5)
Effectiveness Ratio (%)	100	100	100	99.6	99.8	99.3	98.5	97.7
Penetration Class	A	A	A	A	A	A	B	B

Test was based on a 39.375' x 39.375' (1.0 m x 1.0 m) core area louver tested at a rainfall rate of 3" per hour (76 mm/hour) with a wind velocity of 29.1 mph (13 m/s).

DISCHARGE LOSS COEFFICIENT CLASS (INTAKE): 2

(Discharge Loss Coefficient Classification is as follows: 1=0.4 and above, 2=0.3 to 0.399, 3 = 0.2 to 0.299, 4 = 0.199 and below.)

PRESSURE DROP



Louver test size: 48" x 48" (1219 x 1219 mm).
Standard air density @ 0.075 lbs/ft³.

PERFORMANCE DATA

MODELS: OL2-FLANGE-J, OL2-CHANNEL-J

FREE AREA in Square Feet and Square Meters

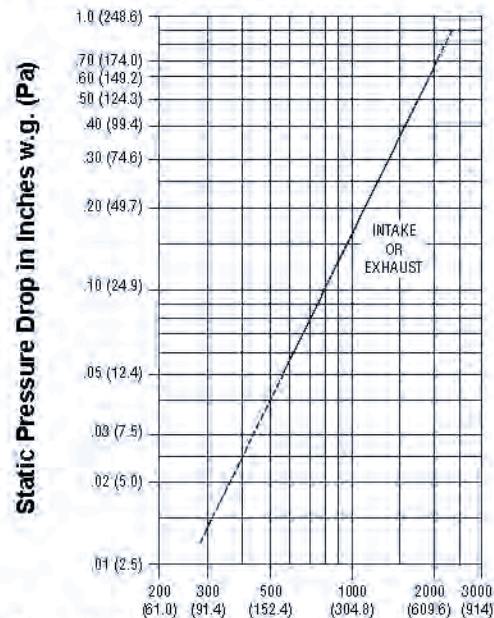
		Width in Inches and Meters																			
		8	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
Height in Inches and Meters	8	0.12	0.19	0.30	0.41	0.53	0.64	0.75	0.86	0.97	1.08	1.19	1.30	1.42	1.53	1.64	1.75	1.86	1.97	2.09	2.20
	0.20	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	12	0.21	0.33	0.52	0.71	0.90	1.09	1.28	1.47	1.66	1.85	2.03	2.22	2.41	2.60	2.79	2.98	3.17	3.36	3.55	3.74
	0.30	0.02	0.03	0.04	0.06	0.08	0.10	0.11	0.13	0.15	0.17	0.18	0.20	0.22	0.24	0.26	0.27	0.29	0.31	0.33	0.35
	18	0.33	0.54	0.84	1.15	1.46	1.77	2.08	2.39	2.69	3.00	3.31	3.62	3.93	4.24	4.55	4.85	5.16	5.47	5.78	6.09
	0.46	0.03	0.05	0.07	0.10	0.13	0.16	0.19	0.22	0.25	0.27	0.30	0.33	0.36	0.39	0.42	0.45	0.48	0.51	0.54	0.57
	24	0.48	0.77	1.21	1.65	2.09	2.53	2.98	3.42	3.86	4.30	4.74	5.18	5.63	6.07	6.51	6.95	7.39	7.83	8.27	8.72
	0.61	0.04	0.07	0.11	0.15	0.19	0.23	0.27	0.31	0.35	0.40	0.44	0.48	0.52	0.56	0.60	0.64	0.69	0.73	0.77	0.81
	30	0.64	1.03	1.62	2.21	2.80	3.39	3.98	4.57	5.16	5.75	6.33	6.92	7.51	8.10	8.69	9.28	9.87	10.45	11.04	11.63
	0.76	0.06	0.09	0.15	0.20	0.26	0.31	0.37	0.42	0.47	0.53	0.58	0.64	0.69	0.75	0.80	0.86	0.92	0.97	1.03	1.08
	36	0.77	1.24	1.94	2.65	3.36	4.07	4.78	5.49	6.19	6.90	7.61	8.32	9.03	9.74	10.45	11.15	11.86	12.57	13.28	13.99
	0.96	0.07	0.11	0.18	0.24	0.31	0.37	0.44	0.51	0.57	0.64	0.70	0.77	0.83	0.90	0.97	1.04	1.10	1.17	1.23	1.30
	42	0.90	1.44	2.27	3.10	3.92	4.75	5.58	6.41	7.23	8.06	8.89	9.72	10.54	11.37	12.10	13.02	13.85	14.68	15.50	16.33
	1.07	0.08	0.13	0.21	0.28	0.36	0.44	0.51	0.59	0.67	0.74	0.82	0.90	0.98	1.05	1.13	1.21	1.29	1.36	1.44	1.52
	48	1.04	1.67	2.62	3.58	4.54	5.49	6.45	7.50	8.36	9.31	10.27	11.23	12.18	13.14	14.09	15.05	16.00	16.96	17.92	18.87
	1.22	0.10	0.15	0.24	0.33	0.42	0.51	0.59	0.70	0.77	0.86	0.95	1.04	1.13	1.22	1.31	1.40	1.49	1.58	1.66	1.75
54	1.20	1.94	3.04	4.15	5.26	6.37	7.48	8.59	9.69	10.80	11.91	13.02	14.13	15.24	16.35	17.45	18.56	19.67	20.78	21.89	
1.37	0.11	0.18	0.28	0.38	0.48	0.59	0.69	0.79	0.90	1.00	1.10	1.21	1.31	1.41	1.51	1.62	1.72	1.83	1.93	2.03	
60	1.33	2.14	3.37	4.60	5.82	7.05	8.28	9.51	10.73	11.96	13.19	14.42	15.64	16.87	18.10	19.32	20.55	21.78	23.00	24.23	
1.52	0.12	0.20	0.31	0.42	0.54	0.65	0.77	0.88	0.99	1.11	1.22	1.34	1.45	1.56	1.68	1.79	1.91	2.02	2.14	2.25	
66	1.46	2.35	3.70	5.04	6.39	7.73	9.08	10.43	11.77	13.12	14.46	15.81	17.16	18.50	19.85	21.19	22.54	23.89	25.23	26.58	
1.68	0.14	0.21	0.34	0.46	0.59	0.71	0.84	0.96	1.09	1.21	1.34	1.46	1.59	1.71	1.84	1.97	2.09	2.22	2.34	2.47	
72	1.59	2.57	4.04	5.51	6.98	8.45	9.92	11.39	12.86	14.33	15.80	17.27	18.74	20.21	21.68	23.15	24.62	26.09	27.56	29.03	
1.83	0.15	0.23	0.37	0.51	0.64	0.78	0.92	1.05	1.19	1.33	1.46	1.60	1.74	1.87	2.01	2.15	2.29	2.42	2.56	2.70	
78	1.76	2.84	4.47	6.10	7.72	9.35	10.98	12.61	14.23	15.86	17.49	19.12	20.74	22.37	24.00	25.62	27.25	28.88	30.51	32.13	
1.98	0.16	0.26	0.41	0.56	0.71	0.86	1.02	1.17	1.32	1.47	1.62	1.77	1.92	2.07	2.23	2.38	2.53	2.68	2.83	2.98	
84	1.89	3.05	4.80	6.54	8.29	10.03	11.78	13.53	15.27	17.02	18.76	20.51	22.26	24.00	25.75	27.49	29.24	30.98	32.73	34.47	
2.13	0.18	0.28	0.44	0.60	0.77	0.93	1.09	1.25	1.41	1.58	1.74	1.90	2.06	2.23	2.39	2.55	2.72	2.88	3.04	3.20	
90	2.02	3.26	5.12	6.99	8.85	10.72	12.58	14.45	16.31	18.18	20.04	21.91	23.77	25.64	27.50	29.36	31.23	33.09	34.96	36.82	
2.29	0.19	0.30	0.47	0.65	0.82	0.99	1.16	1.34	1.51	1.68	1.86	2.03	2.20	2.38	2.55	2.73	2.90	3.07	3.25	3.42	
96	2.15	3.47	5.45	7.44	9.42	11.41	13.39	15.37	17.36	19.34	21.33	23.31	25.30	27.28	29.26	31.25	33.23	35.21	37.19	39.18	
2.44	0.20	0.32	0.50	0.69	0.87	1.06	1.24	1.42	1.61	1.79	1.98	2.16	2.35	2.53	2.71	2.90	3.09	3.27	3.45	3.64	

AIRFLOW/WATER PENETRATION DATA for 48" x 48" (1219 x 1219) Louver Size

Free Area %		47%
Free Area sq. ft. (sq. m.)		7.50 (0.70)
INTAKE	Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration)	527 fpm (161 m/min.)
	Air Volume at 527 fpm	3952 cfm (1865 l/s)
	Free Area Velocity	
	Pressure Drop @ 527 fpm	0.4 in. w.g. (10 Pa)

NOTE: To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is **below** the point of beginning water penetration.

PRESSURE DROP



Air Velocity in Feet (Meters) Per Minute Through Free Area
Louver test size: 48" x 48" (1219 x 1219 mm). Standard air density @ 0.075 lbs/ft³.

PERFORMANCE DATA
MODELS: OL4-FLANGE-K, OL4-CHEVRON-K

FREE AREA in Square Feet and Square Meters

		Width in Inches and Meters																		
		12 0.30	18 0.46	24 0.61	30 0.76	36 0.91	42 1.07	48 1.22	54 1.37	60 1.52	66 1.68	72 1.83	78 1.98	84 2.13	90 2.29	96 2.44	102 2.59	108 2.74	114 2.90	120 3.05
Height in Inches and Meters	12 0.30	0.21 0.02	0.34 0.03	0.47 0.04	0.60 0.06	0.73 0.07	0.85 0.08	0.98 0.09	1.11 0.10	1.24 0.12	1.37 0.13	1.49 0.14	1.62 0.15	1.75 0.16	1.88 0.17	2.01 0.19	2.13 0.20	2.26 0.21	2.39 0.22	2.52 0.23
	18 0.46	0.46 0.04	0.74 0.07	1.02 0.09	1.30 0.12	1.58 0.15	1.86 0.17	2.14 0.20	2.41 0.22	2.69 0.25	2.97 0.28	3.25 0.30	3.53 0.33	3.81 0.35	4.09 0.38	4.37 0.41	4.64 0.43	4.92 0.46	5.20 0.48	5.48 0.51
	24 0.61	0.73 0.07	1.17 0.11	1.60 0.15	2.04 0.19	2.48 0.23	2.91 0.27	3.35 0.31	3.79 0.35	4.22 0.39	4.66 0.43	5.10 0.47	5.53 0.51	5.97 0.55	6.41 0.60	6.85 0.64	7.28 0.68	7.72 0.72	8.16 0.76	8.59 0.80
	30 0.76	0.93 0.09	1.49 0.14	2.05 0.19	2.61 0.24	3.17 0.29	3.74 0.35	4.30 0.40	4.86 0.45	5.42 0.50	5.98 0.56	6.54 0.61	7.10 0.66	7.66 0.71	8.22 0.76	8.78 0.82	9.34 0.87	9.90 0.92	10.46 0.97	11.02 1.02
	36 0.91	1.15 0.11	1.85 0.17	2.54 0.24	3.23 0.30	3.93 0.36	4.62 0.44	5.31 0.52	6.00 0.60	6.70 0.68	7.39 0.76	8.08 0.83	8.77 0.91	9.47 1.00	10.16 1.07	10.85 1.15	11.54 1.22	12.24 1.30	12.93 1.38	13.62 1.46
	42 1.07	1.40 0.13	2.24 0.21	3.08 0.29	3.93 0.36	4.77 0.44	5.61 0.52	6.45 0.60	7.29 0.68	8.13 0.76	8.97 0.83	9.81 0.91	10.66 1.00	11.50 1.07	12.34 1.15	13.18 1.22	14.02 1.30	14.86 1.38	15.70 1.46	16.54 1.54
	48 1.22	1.62 0.15	2.59 0.24	3.56 0.33	4.53 0.42	5.50 0.51	6.48 0.60	7.51 0.70	8.42 0.78	9.39 0.87	10.36 0.96	11.33 1.05	12.30 1.14	13.28 1.23	14.25 1.32	15.22 1.41	16.19 1.50	17.16 1.59	18.13 1.68	19.10 1.77
	54 1.37	1.84 0.17	2.95 0.27	4.06 0.38	5.16 0.48	6.27 0.58	7.37 0.68	8.48 0.79	9.58 0.89	10.69 0.99	11.80 1.10	12.90 1.20	14.01 1.30	15.11 1.40	16.22 1.51	17.33 1.61	18.43 1.71	19.54 1.82	20.64 1.92	21.75 2.02
	60 1.52	2.09 0.19	3.34 0.31	4.59 0.43	5.84 0.54	7.10 0.66	8.35 0.78	9.60 0.89	10.85 1.01	12.11 1.12	13.36 1.24	14.61 1.36	15.86 1.47	17.12 1.59	18.37 1.71	19.62 1.82	20.87 1.94	22.13 2.06	23.38 2.17	24.63 2.29
	66 1.68	2.31 0.21	3.69 0.34	5.07 0.47	6.46 0.60	7.84 0.73	9.23 0.86	10.61 0.99	12.00 1.11	13.38 1.24	14.76 1.37	16.15 1.50	17.53 1.63	18.92 1.76	20.30 1.89	21.68 2.01	23.07 2.14	24.45 2.27	25.84 2.40	27.22 2.53
	72 1.83	2.55 0.24	4.08 0.38	5.62 0.52	7.15 0.66	8.68 0.81	10.21 0.95	11.74 1.09	13.27 1.23	14.80 1.38	16.34 1.52	17.87 1.66	19.40 1.80	20.93 1.94	22.46 2.09	23.99 2.23	25.53 2.37	27.06 2.51	28.59 2.66	30.12 2.80
	78 1.98	2.77 0.26	4.43 0.41	6.10 0.57	7.76 0.72	9.42 0.88	11.08 1.03	12.75 1.18	14.41 1.34	16.07 1.49	17.74 1.65	19.40 1.80	21.06 1.96	22.72 2.11	24.39 2.27	26.05 2.42	27.71 2.57	29.37 2.73	31.04 2.88	32.70 3.04
	84 2.13	2.99 0.28	4.79 0.45	6.59 0.61	8.38 0.78	10.18 0.95	11.98 1.11	13.77 1.28	15.57 1.45	17.37 1.61	19.16 1.78	20.96 1.95	22.76 2.11	24.55 2.28	26.35 2.45	28.15 2.61	29.94 2.78	31.74 2.95	33.54 3.12	35.33 3.28
	90 2.29	3.24 0.30	5.18 0.48	7.12 0.66	9.07 0.84	11.01 1.02	12.95 1.20	14.90 1.38	16.84 1.56	18.78 1.74	20.72 1.93	22.67 2.11	24.61 2.29	26.55 2.47	28.49 2.65	30.44 2.83	32.38 3.01	34.32 3.19	36.27 3.37	38.21 3.55
	96 2.44	3.46 0.32	5.53 0.51	7.61 0.71	9.68 0.90	11.76 1.09	13.83 1.29	15.91 1.48	17.99 1.67	20.06 1.86	22.14 2.06	24.21 2.25	26.29 2.44	28.36 2.63	30.44 2.83	32.51 3.02	34.59 3.21	36.66 3.41	38.74 3.60	40.81 3.79
	102 2.59	3.68 0.34	5.89 0.55	8.10 0.75	10.31 0.96	12.52 1.16	14.73 1.37	16.94 1.57	19.15 1.78	21.36 1.98	23.56 2.19	25.77 2.39	27.98 2.60	30.19 2.80	32.40 3.01	34.61 3.22	36.82 3.42	39.03 3.63	41.24 3.83	43.45 4.04
108 2.74	3.92 0.36	6.28 0.58	8.63 0.80	10.99 1.02	13.34 1.24	15.69 1.46	18.05 1.68	20.40 1.90	22.76 2.11	25.11 2.33	27.46 2.55	29.82 2.77	32.17 2.99	34.53 3.21	36.88 3.43	39.23 3.64	41.59 3.86	43.94 4.08	46.30 4.30	
114 2.90	4.15 0.39	6.63 0.62	9.12 0.85	11.61 1.08	14.10 1.31	16.58 1.54	19.07 1.77	21.56 2.00	24.05 2.23	26.53 2.46	29.02 2.70	31.51 2.93	34.00 3.16	36.48 3.39	38.97 3.62	41.46 3.85	43.95 4.08	46.43 4.31	48.92 4.54	
120 3.05	4.39 0.41	7.02 0.65	9.66 0.90	12.29 1.14	14.93 1.39	17.56 1.63	20.19 1.88	22.83 2.12	25.46 2.37	28.10 2.61	30.73 2.85	33.36 3.10	36.00 3.34	38.63 3.59	41.27 3.83	43.90 4.08	46.53 4.32	49.17 4.57	51.80 4.81	

PERFORMANCE DATA

MODELS: OL4-FLANGE-K, OL4-CHEVRON-K

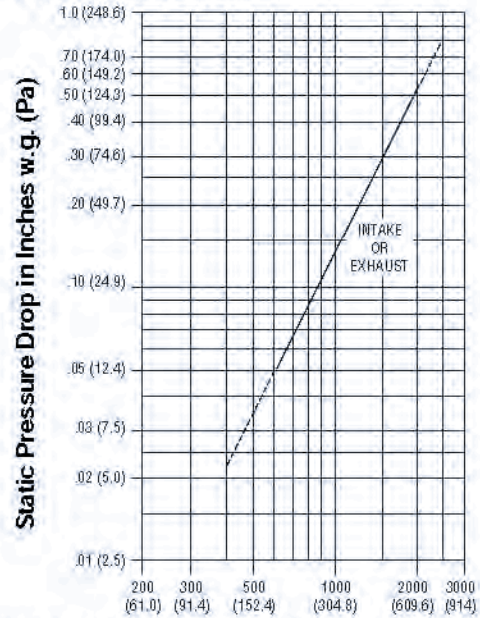
AIRFLOW/ WATER PENETRATION DATA

for 48" x 48" (1219 x 1219) Louver Size

Free Area %	47%	
Free Area sq. ft. (sq. m.)	7.51 (0.70)	
I N T A K E	Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration)	892 fpm (272 m/min.)
	Air Volume at 892 fpm	6699 cfm (3161 l/s)
	Free Area Velocity	
	Pressure Drop @ 892 fpm	.11 in. w.g. (27 Pa)

NOTE: To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is **below** the point of beginning water penetration.

PRESSURE DROP



Air Velocity in Feet (Meters) Per Minute Through Free Area

Louver test size: 48" x 48" (1219 x 1219 mm). Standard air density @ 0.075 lbs/ft³.

PERFORMANCE DATA
MODELS: OL4-DBFL, OL4-DBCH

FREE AREA in Square Feet and Square Meters

		Width in Inches and Meters																		
		12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
Height in Inches and Meters	12	0.25	0.39	0.54	0.69	0.84	0.99	1.14	1.29	1.44	1.59	1.74	1.89	2.04	2.19	2.34	2.49	2.64	2.79	2.94
	30	0.02	0.03	0.05	0.06	0.07	0.08	0.10	0.12	0.13	0.14	0.16	0.17	0.19	0.20	0.21	0.22	0.25	0.26	0.27
	18	0.52	0.83	1.14	1.46	1.77	2.09	2.40	2.71	3.03	3.34	3.65	3.97	4.28	4.59	4.91	5.22	5.53	5.85	6.16
	46	0.05	0.07	0.10	0.13	0.16	0.19	0.22	0.25	0.28	0.31	0.34	0.36	0.39	0.42	0.45	0.49	0.51	0.54	0.57
	24	0.80	1.28	1.77	2.25	2.73	3.22	3.70	4.19	4.67	5.15	5.64	6.12	6.60	7.09	7.57	8.05	8.54	9.02	9.50
	61	0.07	0.12	0.16	0.21	0.25	0.29	0.34	0.38	0.43	0.47	0.52	0.56	0.61	0.65	0.70	0.75	0.79	0.84	0.88
	30	1.04	1.67	2.30	2.93	3.56	4.19	4.82	5.45	6.08	6.71	7.34	7.97	8.60	9.23	9.86	10.49	11.12	11.75	12.38
	76	0.09	0.15	0.21	0.27	0.33	0.39	0.44	0.50	0.56	0.62	0.68	0.74	0.79	0.85	0.91	0.98	1.03	1.09	1.15
	36	1.33	2.13	2.93	3.73	4.53	5.33	6.13	6.93	7.73	8.53	9.33	10.13	10.93	11.73	12.53	13.33	14.13	14.93	15.73
	91	0.12	0.19	0.27	0.34	0.42	0.49	0.57	0.64	0.71	0.79	0.86	0.94	1.01	1.09	1.16	1.24	1.31	1.39	1.46
	42	1.58	2.52	3.47	4.42	5.37	6.32	7.27	8.22	9.16	10.11	11.06	12.01	12.96	13.91	14.86	15.81	16.76	17.71	18.66
	1.07	0.14	0.23	0.32	0.41	0.49	0.58	0.67	0.76	0.85	0.94	1.02	1.11	1.20	1.29	1.38	1.47	1.56	1.65	1.73
	48	1.85	2.97	4.09	5.20	6.32	7.43	8.57	9.66	10.78	11.89	13.01	14.12	15.24	16.35	17.47	18.58	19.70	20.81	21.93
	1.22	0.17	0.27	0.38	0.48	0.58	0.69	0.80	0.89	1.00	1.10	1.20	1.31	1.41	1.52	1.62	1.73	1.83	1.93	2.04
	54	2.11	3.38	4.64	5.91	7.18	8.44	9.71	10.98	12.25	13.51	14.78	16.05	17.32	18.58	19.85	21.12	22.38	23.64	24.91
	1.37	0.19	0.31	0.43	0.54	0.66	0.78	0.90	1.02	1.13	1.25	1.37	1.49	1.60	1.72	1.84	1.96	2.08	2.20	2.32
	60	2.38	3.81	5.25	6.68	8.11	9.54	10.97	12.41	13.84	15.27	16.70	18.13	19.57	21.00	22.43	23.86	25.29	26.73	28.16
	1.52	0.22	0.35	0.48	0.62	0.75	0.88	1.02	1.15	1.28	1.41	1.55	1.68	1.81	1.95	2.08	2.22	2.35	2.48	2.62
	66	2.67	4.27	5.87	7.47	9.08	10.68	12.28	13.88	15.48	17.09	18.69	20.29	21.89	23.50	25.10	26.70	28.30	29.91	31.51
	1.68	0.24	0.39	0.54	0.69	0.84	0.99	1.14	1.29	1.43	1.58	1.73	1.88	2.03	2.18	2.33	2.48	2.63	2.78	2.93
72	2.91	4.66	6.41	8.16	9.91	11.66	13.41	15.16	16.91	18.66	20.40	22.15	23.90	25.65	27.40	29.14	30.89	32.64	34.39	
1.83	0.27	0.43	0.59	0.75	0.92	1.08	1.24	1.40	1.57	1.73	1.89	2.05	2.22	2.38	2.54	2.71	2.87	3.03	3.20	
78	3.19	5.11	7.03	8.94	10.86	12.78	14.70	16.62	18.53	20.45	22.37	24.29	26.20	28.12	30.04	31.96	33.87	35.79	37.71	
1.98	0.29	0.47	0.65	0.83	1.01	1.18	1.36	1.54	1.72	1.90	2.07	2.25	2.43	2.61	2.79	2.97	3.15	3.33	3.50	
84	3.45	5.52	7.59	9.65	11.72	13.79	15.86	17.93	20.00	22.07	24.14	26.21	28.28	30.35	32.42	34.49	36.56	38.63	40.70	
2.13	0.32	0.51	0.70	0.89	1.09	1.28	1.47	1.66	1.85	2.05	2.24	2.43	2.62	2.82	3.01	3.21	3.40	3.59	3.78	
90	3.72	5.95	8.19	10.42	12.66	14.89	17.13	19.36	21.60	23.83	26.06	28.30	30.53	32.77	35.00	37.24	39.47	41.71	43.94	
2.29	0.34	0.55	0.76	0.96	1.17	1.38	1.59	1.79	2.00	2.21	2.42	2.62	2.83	3.04	3.25	3.46	3.67	3.88	4.08	
96	4.00	6.41	8.81	11.22	13.62	16.03	18.43	20.84	23.24	25.65	28.05	30.46	32.86	35.27	37.67	40.07	42.48	44.88	47.28	
2.44	0.37	0.59	0.81	1.04	1.26	1.48	1.71	1.93	2.16	2.38	2.60	2.83	3.05	3.27	3.50	3.72	3.95	4.16	4.39	
102	4.30	6.88	9.46	12.04	14.61	17.19	19.77	22.35	24.93	27.51	30.09	32.67	35.25	37.82	40.40	42.98	45.56	48.14	50.72	
2.59	0.40	0.64	0.88	1.12	1.36	1.60	1.84	2.08	2.32	2.56	2.80	3.03	3.27	3.51	3.75	3.99	4.23	4.47	4.71	
108	4.54	7.26	9.98	12.71	15.43	18.15	20.88	23.60	26.32	29.04	31.77	34.49	37.21	39.94	42.66	45.38	48.10	50.83	53.55	
2.74	0.42	0.67	0.93	1.18	1.43	1.69	1.94	2.19	2.45	2.70	2.95	3.20	3.46	3.71	3.96	4.22	4.47	4.72	4.97	
114	4.82	7.72	10.61	13.51	16.40	19.30	22.19	25.09	27.98	30.88	33.77	36.67	39.56	42.46	45.35	48.24	51.14	54.03	56.93	
2.90	0.45	0.72	0.99	1.25	1.52	1.79	2.06	2.33	2.60	2.87	3.14	3.41	3.68	3.94	4.21	4.48	4.75	5.02	5.29	
120	5.06	8.10	11.14	14.18	17.21	20.25	23.29	26.33	29.37	32.40	35.44	38.48	41.52	44.55	47.59	50.63	53.67	56.71	59.74	
3.05	0.47	0.75	1.03	1.32	1.60	1.88	2.16	2.45	2.73	3.01	3.29	3.57	3.86	4.14	4.42	4.70	4.99	5.27	5.55	

PERFORMANCE DATA

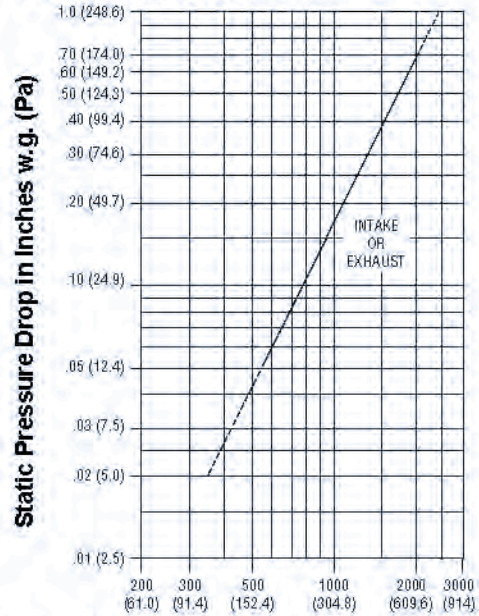
MODELS: OL4-DBFL, OL4-DBCH

**AIRFLOW/ WATER PENETRATION DATA
for 48" x 48" (1219 x 1219) Louver Size**

Free Area %	54%	
Free Area sq. ft. (sq. m.)	8.57 (0.80)	
I N T A K E	Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration)	961 fpm (293 m/min.)
	Air Volume at 961 fpm	8236 cfm (3887 l/s)
	Free Area Velocity	
	Pressure Drop @ 961 fpm	.16 in. w.g. (40 Pa)

NOTE: To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is **below** the point of beginning water penetration.

PRESSURE DROP



Air Velocity in Feet (Meters) Per Minute Through Free Area

Louver test size: 48" x 48" (1219 x 1219 mm). Standard air density @ 0.075 lbs/ft³.

PERFORMANCE DATA
MODELS: OL6-DBFL, OL6-DBCH

FREE AREA in Square Feet and Square Meters

		Width in Inches and Meters																		
		12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
		0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52	1.68	1.83	1.98	2.13	2.29	2.44	2.59	2.74	2.90	3.05
Height in Inches and Meters	12	0.21	0.33	0.45	0.57	0.69	0.81	0.93	1.05	1.17	1.29	1.41	1.53	1.65	1.77	1.89	2.02	2.14	2.26	2.38
	0.30	0.02	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	18	0.48	0.75	1.03	1.31	1.59	1.87	2.14	2.42	2.70	2.98	3.26	3.54	3.81	4.09	4.37	4.65	4.93	5.21	5.48
	0.46	0.04	0.07	0.10	0.12	0.15	0.17	0.20	0.23	0.25	0.28	0.30	0.33	0.35	0.38	0.41	0.43	0.46	0.48	0.51
	24	0.75	1.18	1.62	2.06	2.50	2.94	3.37	3.81	4.25	4.69	5.12	5.56	6.00	6.44	6.87	7.31	7.75	8.19	8.62
	0.61	0.07	0.11	0.15	0.19	0.23	0.27	0.31	0.35	0.39	0.44	0.48	0.52	0.56	0.60	0.64	0.68	0.72	0.76	0.80
	30	1.02	1.62	2.21	2.81	3.41	4.01	4.60	5.20	5.80	6.40	6.99	7.59	8.19	8.78	9.38	9.98	10.58	11.17	11.77
	0.76	0.09	0.15	0.21	0.26	0.32	0.37	0.43	0.48	0.54	0.59	0.65	0.71	0.76	0.82	0.87	0.93	0.98	1.04	1.09
	36	1.29	2.05	2.81	3.56	4.32	5.08	5.84	6.59	7.35	8.11	8.86	9.62	10.38	11.14	11.89	12.65	13.41	14.16	14.92
	0.91	0.12	0.19	0.26	0.33	0.40	0.47	0.54	0.61	0.68	0.75	0.82	0.89	0.96	1.03	1.10	1.18	1.25	1.32	1.39
	42	1.52	2.40	3.29	4.18	5.07	5.96	6.84	7.73	8.62	9.51	10.40	11.28	12.17	13.06	13.95	14.84	15.72	16.61	17.50
	1.07	0.14	0.22	0.31	0.39	0.47	0.55	0.64	0.72	0.80	0.88	0.97	1.05	1.13	1.21	1.30	1.38	1.46	1.54	1.63
	48	1.79	2.84	3.88	4.93	5.98	7.04	8.13	9.12	10.17	11.22	12.27	13.31	14.36	15.41	16.46	17.50	18.55	19.60	20.65
	1.22	0.17	0.26	0.36	0.46	0.56	0.65	0.76	0.85	0.94	1.04	1.14	1.24	1.33	1.43	1.53	1.63	1.72	1.82	1.92
	54	2.06	3.27	4.48	5.68	6.89	8.10	9.31	10.51	11.72	12.93	14.14	15.34	16.55	17.76	18.97	20.17	21.38	22.59	23.80
	1.37	0.19	0.30	0.42	0.53	0.64	0.75	0.86	0.98	1.09	1.20	1.31	1.43	1.54	1.65	1.76	1.87	1.99	2.10	2.21
	60	2.34	3.70	5.07	6.44	7.80	9.17	10.54	11.91	13.27	14.64	16.01	17.38	18.74	20.11	21.48	22.84	24.21	25.58	26.95
	1.52	0.22	0.34	0.47	0.60	0.73	0.85	0.98	1.11	1.23	1.36	1.49	1.61	1.74	1.87	2.00	2.12	2.25	2.38	2.50
	66	2.61	4.14	5.66	7.19	8.72	10.24	11.77	13.30	14.83	16.35	17.88	19.41	20.93	22.46	23.99	25.52	27.04	28.57	30.10
	1.68	0.24	0.38	0.53	0.67	0.81	0.95	1.09	1.24	1.38	1.52	1.66	1.80	1.94	2.09	2.23	2.37	2.51	2.65	2.80
72	2.88	4.57	6.26	7.94	9.63	11.32	13.00	14.69	16.38	18.07	19.75	21.44	23.13	24.81	26.50	28.19	29.87	31.56	33.25	
1.83	0.27	0.42	0.58	0.74	0.89	1.05	1.21	1.36	1.52	1.68	1.84	1.99	2.15	2.31	2.46	2.62	2.78	2.93	3.09	
78	3.16	5.00	6.85	8.70	10.54	12.39	14.24	16.08	17.93	19.78	21.63	23.47	25.32	27.17	29.01	30.86	32.71	34.55	36.40	
1.98	0.29	0.46	0.64	0.81	0.98	1.15	1.32	1.49	1.67	1.84	2.01	2.18	2.35	2.52	2.70	2.87	3.04	3.21	3.38	
84	3.43	5.44	7.44	9.45	11.46	13.46	15.47	17.48	19.48	21.49	23.50	25.51	27.51	29.52	31.53	33.53	35.54	37.55	39.55	
2.13	0.32	0.50	0.69	0.88	1.06	1.25	1.44	1.62	1.81	2.00	2.18	2.37	2.56	2.74	2.93	3.12	3.30	3.49	3.67	
90	3.70	5.87	8.04	10.20	12.37	14.54	16.70	18.87	21.04	23.21	25.37	27.54	29.71	31.87	34.04	36.21	38.37	40.54	42.71	
2.29	0.34	0.55	0.75	0.95	1.15	1.35	1.55	1.75	1.95	2.16	2.36	2.56	2.76	2.96	3.16	3.36	3.57	3.77	3.97	
96	3.98	6.30	8.63	10.96	13.28	15.61	17.94	20.26	22.59	24.92	27.25	29.57	31.90	34.23	36.55	38.88	41.21	43.53	45.86	
2.44	0.37	0.59	0.80	1.02	1.23	1.45	1.67	1.88	2.10	2.32	2.53	2.75	2.96	3.18	3.40	3.61	3.83	4.04	4.26	
102	4.32	6.92	9.51	12.11	14.70	17.30	19.89	22.48	25.08	27.67	30.27	32.86	35.46	38.05	40.64	43.24	45.83	48.43	51.02	
2.59	0.40	0.64	0.88	1.12	1.37	1.61	1.85	2.09	2.33	2.57	2.81	3.05	3.29	3.53	3.78	4.02	4.26	4.50	4.74	
108	4.60	7.36	10.12	12.88	15.64	18.40	21.16	23.92	26.68	29.44	32.20	34.96	37.72	40.48	43.24	46.00	48.76	51.52	54.28	
2.74	0.43	0.68	0.94	1.20	1.45	1.71	1.97	2.22	2.48	2.74	2.99	3.25	3.50	3.76	4.02	4.27	4.53	4.79	5.04	
114	4.88	7.80	10.73	13.65	16.58	19.51	22.43	25.36	28.29	31.21	34.14	37.06	39.99	42.92	45.84	48.77	51.69	54.62	57.55	
2.90	0.45	0.72	1.00	1.27	1.54	1.81	2.08	2.36	2.63	2.90	3.17	3.44	3.72	3.99	4.26	4.53	4.80	5.07	5.35	
120	5.15	8.24	11.33	14.43	17.52	20.61	23.70	26.79	29.88	32.97	36.06	39.15	42.24	45.34	48.43	51.52	54.61	57.70	60.79	
3.05	0.48	0.77	1.05	1.34	1.63	1.91	2.20	2.49	2.78	3.06	3.35	3.64	3.92	4.21	4.50	4.79	5.07	5.36	5.65	

PERFORMANCE DATA

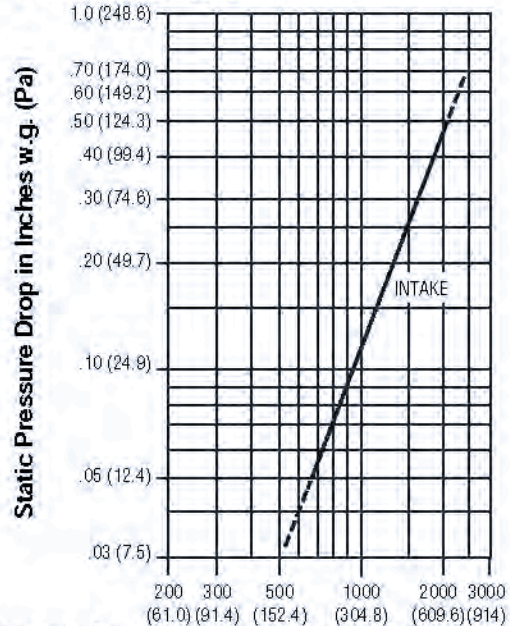
MODELS: OL6-DBFL, OL6-DBCH

**AIRFLOW/WATER PENETRATION DATA
for 48" x 48" (1219 x 1219) Louver Size**

	Free Area %	51%
	Free Area sq. ft. (sq. m.)	8.13 (0.76)
I N T A K E	Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration)	1121 fpm (341 m/min.)
	Air Volume at 1121 fpm	9113 cfm (4300 l/s)
	Free Area Velocity	
	Pressure Drop @ 1121 fpm	.15 in. w.g. (37 Pa)

NOTE: To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is **below** the point of beginning water penetration.

PRESSURE DROP



Air Velocity in Feet (Meters) Per Minute Through Free Area
Louver test size: 48" x 48" (1219 x 1219 mm). Standard air density @ 0.075 lbs/ft³.