

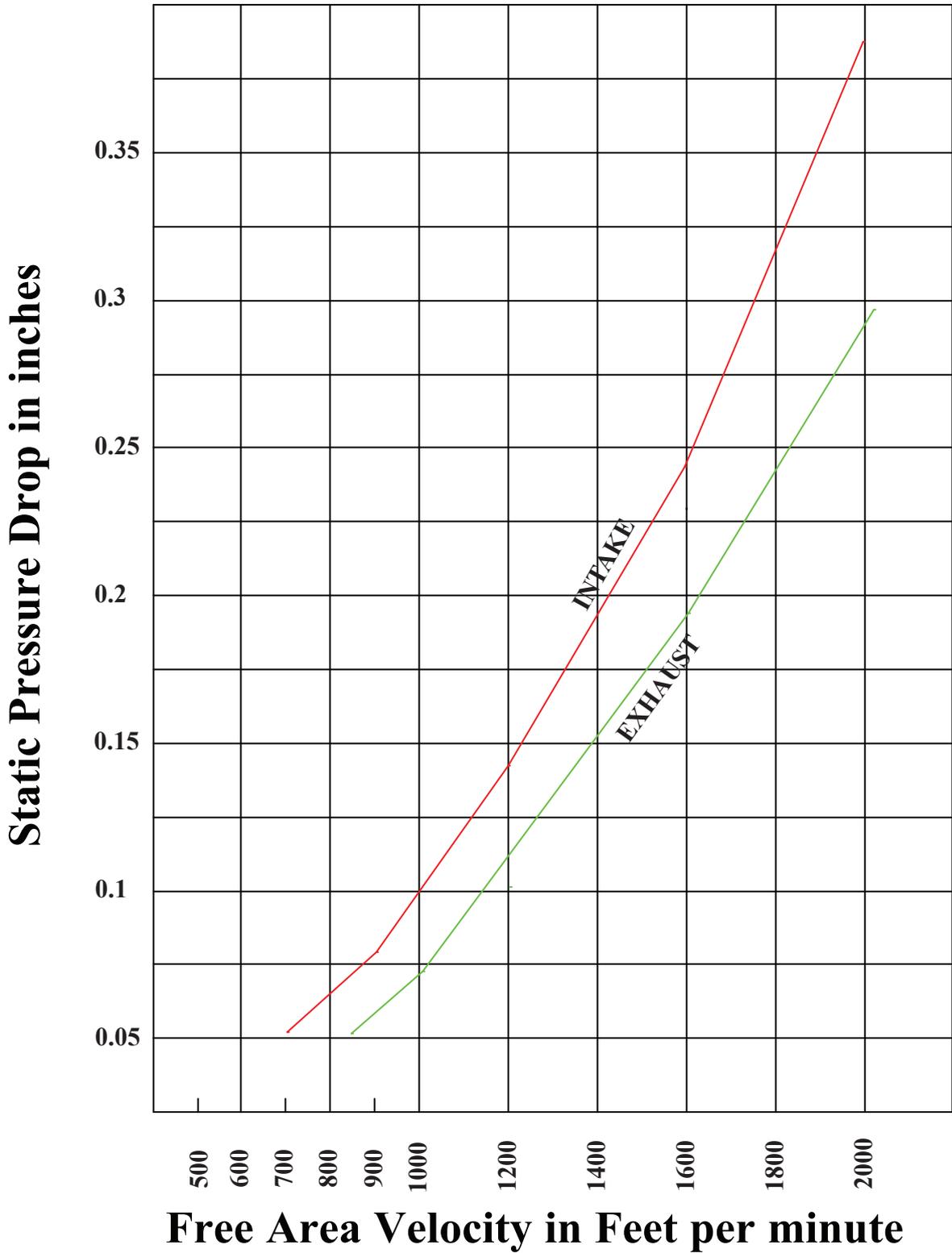


WEATHER PROOF ACOUSTIC LOUVER

KAL-30 Series

Performance Data

AIR PERFORMANCE



Test work was carried out in AMCA laboratories in accordance with AMCA std 500-89

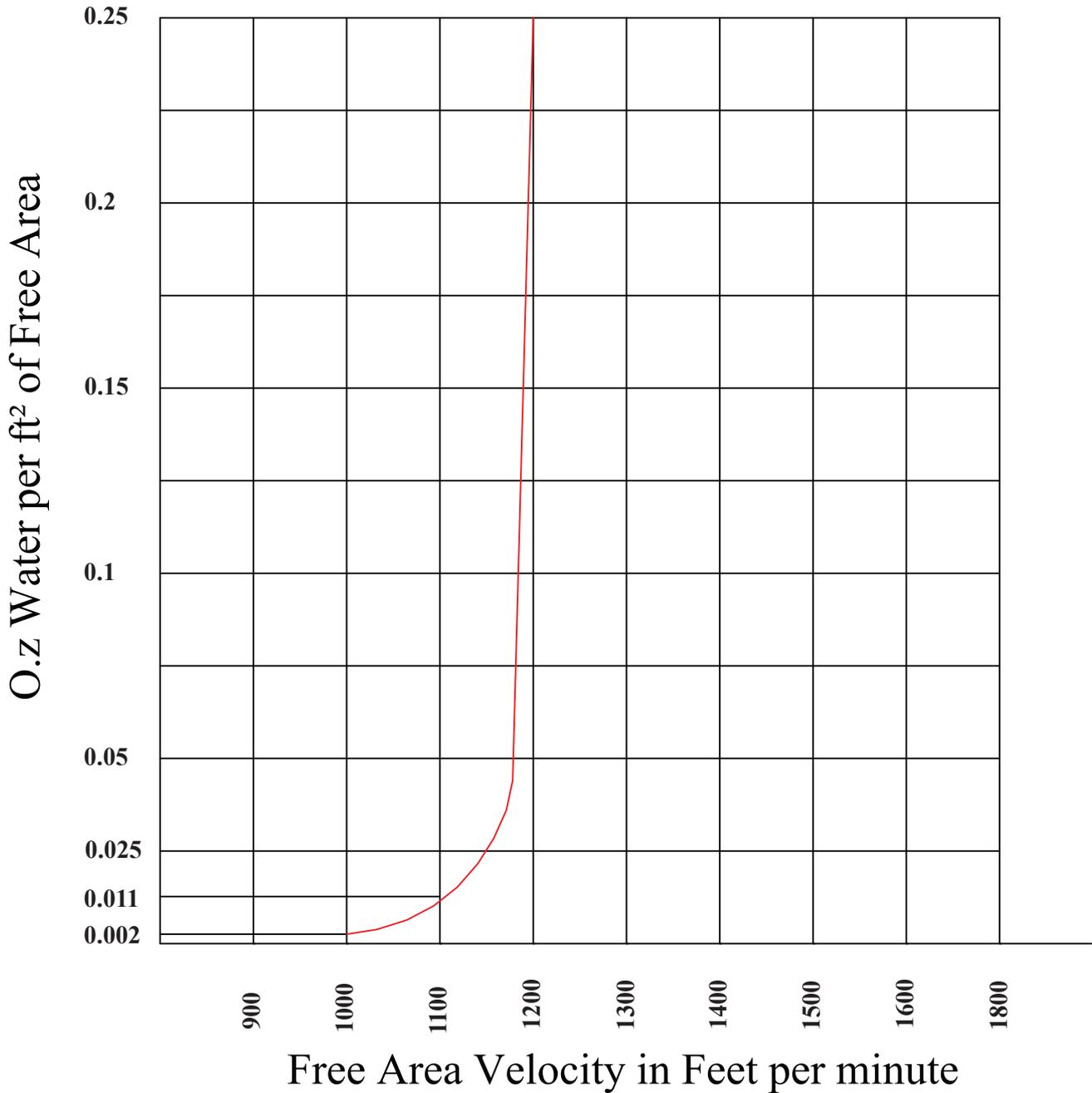


WEATHER PROOF ACOUSTIC LOUVER

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Performance Data

WATER PENETRATION



Test work was carried out in AMCA laboratories in accordance with AMCA std 500-89

Water penetration test size 48"x48"

Beginning of water penetration 0.01 Oz/sq.ft is 1097 fpm

15 mins of testing period



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ACOUSTIC PERFORMANCE

Acoustic louver performance has been tested in accordance with ASTM E90 - (Standard Test Method for Laboratory Measurement of Airborn Sound Transmission Loss of Building Partition and Elements).

The test work was carried out in ETL -ITS laboratories under a report number: 3026425-001- on model KAL-30.

Louver Type	FREE FIELD NOISE REDUCTION (DB)						
	80	125	250	500	1K	2K	4K
KAL-30	9	11	9	11	18	30	19

To calculate transmission loss (db), susbtract 6 db from the Free Field Noise Reduction (db).

FREE AREA IN SQUARE FEET

HEIGHT IN INCHES	WIDTH IN INCHES														
	12	18	24	28	32	36	40	44	48	52	54	58	62	66	70
18	0.23	0.34	0.46	0.53	0.61	0.69	0.76	0.84	0.92	0.99	1.03	1.11	1.18	1.25	1.34
24	0.46	0.68	0.92	1.06	1.22	1.38	1.52	1.68	1.84	1.98	2.06	2.22	2.36	2.56	2.68
30	0.69	1.02	1.38	1.59	1.83	2.07	2.28	2.52	2.76	2.97	3.09	3.33	3.54	3.78	4.02
36	0.92	1.36	1.84	2.12	2.44	2.76	3.04	3.36	3.68	3.96	4.12	4.44	4.72	5.04	5.36
42	1.15	1.7	2.30	2.65	3.05	3.45	3.80	4.20	4.60	4.95	5.15	5.55	5.9	6.3	6.7
48	1.38	2.04	2.76	3.18	3.66	4.14	4.56	5.04	5.52	5.94	6.18	6.66	7.08	7.56	8.04
54	1.61	2.38	3.22	3.71	4.27	4.83	5.32	5.88	6.44	6.93	7.21	7.77	8.26	8.82	9.38
60	1.84	2.72	3.68	4.24	4.88	5.52	6.08	6.72	7.36	7.92	8.24	8.88	9.44	10.08	10.72
66	2.07	3.06	4.14	4.77	5.49	6.21	6.84	7.56	8.28	8.91	9.27	9.99	10.62	11.34	12.06
72	2.30	3.40	4.60	5.30	6.10	6.90	7.60	8.40	9.20	9.90	10.30	11.10	11.80	12.60	13.40
78	2.53	3.74	5.06	5.83	6.71	7.59	8.36	9.24	10.12	10.89	11.33	12.21	12.98	13.86	14.74
84	2.76	4.08	5.52	6.36	7.32	8.28	9.12	10.08	11.04	11.88	12.36	13.32	14.16	15.12	16.08
90	2.99	4.42	5.98	6.89	7.93	8.97	9.88	10.92	11.96	12.87	13.39	14.43	15.34	16.38	17.42

FREE AREA CALCULATED BY ETL-ITS LAB FOR ACOUSTIC LOUVER MODEL: KAL-30
45° ANGULAR BLADES (6 INCHES ON CENTER)