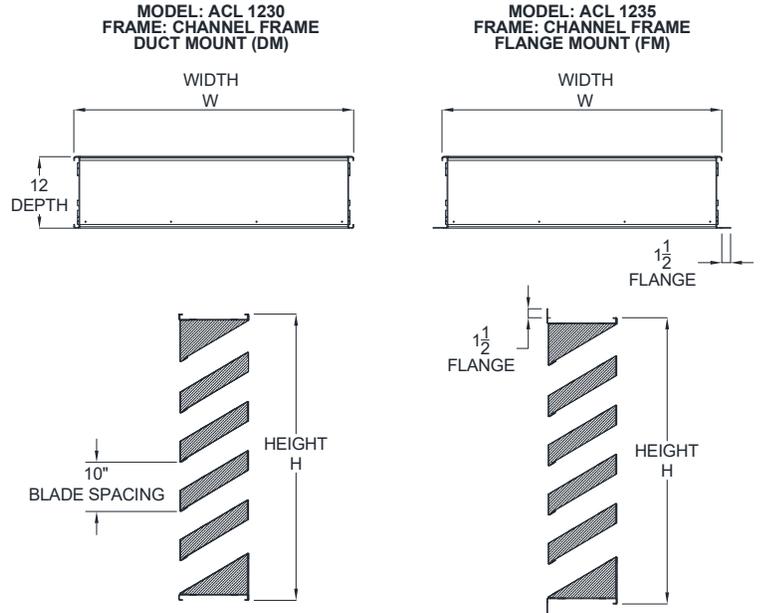




ACL1230 / ACL1235

12" DEEP ACOUSTIC LOUVER – FORMED BLADES



PERFORMANCE			
LOUVER UNIT SIZE	TOTAL AREA	FREE AREA	FREE AREA
48" x 48"	16 ft ²	7.08 ft ²	44.2%
(1219 x 1219 mm)	(1.49 m ²)	(0.5 m ²)	
BEGINNING POINT OF WATER PENETRATION AT 0.01 oz./ft ² FREE AREA:			601.5 FPM

STANDARD CONSTRUCTION	
DEPTH:	12" (305mm)
MATERIAL:	ALUMINUM
FRAME:	0.125" (3.18 mm) FORMED ALUMINUM
BLADE EXTERIOR:	0.063" (1.60 mm) FORMED ALUMINUM
BLADE INTERIOR:	0.032" (0.81 mm) PERFORATED ALUMINUM, 3/32" Ø HOLES
INSULATION:	MINERAL WOOL
BLADE ANGLE:	30°
BLADE CENTRES:	10" (254 mm)
BIRDSCREEN:	19 GA. GALVANIZED BIRDSCREEN, 1/2" x 1/2" OPENINGS
FINISH:	MILL

SIZE LIMITATIONS: SINGLE SECTION LOUVER		
	MINIMUM	MAXIMUM
WIDTH	12" (305 mm)	60" (1524 mm)
HEIGHT	24" (610 mm)	72" (1829 mm)
AREA	2 ft ² (0.19 m ²)	30 ft ² (2.79 m ²)

*LOUVER WILL BE MANUFACTURED 1/4" (6 mm) SMALLER (SINGLE SECTION) AND 1/2" (13 mm) SMALLER (MULTIPLE SECTION) THAN GIVEN OPENING DIMENSIONS UNLESS OTHERWISE SPECIFIED

OPTIONS / ACCESSORIES	
FINISH: <ul style="list-style-type: none"> POWDER COAT FINISH DURANAR FINISH ANODIZED FINISH <ul style="list-style-type: none"> CLEAR ANODIZED LIGHT BRONZE MEDIUM BRONZE DARK BRONZE BLACK ANODIZED 	SCREENS: <ul style="list-style-type: none"> BIRDSCREEN <ul style="list-style-type: none"> 1/2" x 1/2" INTERCRIMPED ALUMINUM ALUMINUM BIRDSCREEN WITH FRAME INSECT SCREEN <ul style="list-style-type: none"> ALUMINUM, 18 x 14 MESH
OTHER: <ul style="list-style-type: none"> EXTENDED SILLS SECURITY BARS FILTER RACKS STAINLESS STEEL FASTENERS HINGED ACCESS DOORS 	AVAILABLE MATERIAL CONSTRUCTION <ul style="list-style-type: none"> GALVANIZED STEEL STAINLESS STEEL BLANK-OFF PANELS (ALUMINUM): VARIOUS GAUGES <ul style="list-style-type: none"> NON-INSULATED BLANK-OFF PANELS INSULATED BLANK-OFF PANELS <ul style="list-style-type: none"> 1" (25 mm) INSULATION 2" (51 mm) INSULATION

SOUND PERFORMANCE		
OCTAVE BAND / FREQUENCY	TRANSMISSION LOSS (dB)	FREE FIELD NOISE REDUCTION (dB)
1 / 63	4	10
2 / 125	5	11
3 / 250	5	11
4 / 500	9	15
5 / 1000	11	17
6 / 2000	8	14
7 / 4000	7	13
8 / 8000	6	12

THIS TEST WAS CONDUCTED IN ACCORDANCE WITH ASTM STANDARD E90-04, "STANDARD TEST METHOD FOR LABORATORY MEASUREMENT OF AIRBORNE SOUND TRANSMISSION LOSS OF BUILDING PARTITIONS AND ELEMENTS".



ACL1230 / ACL1235

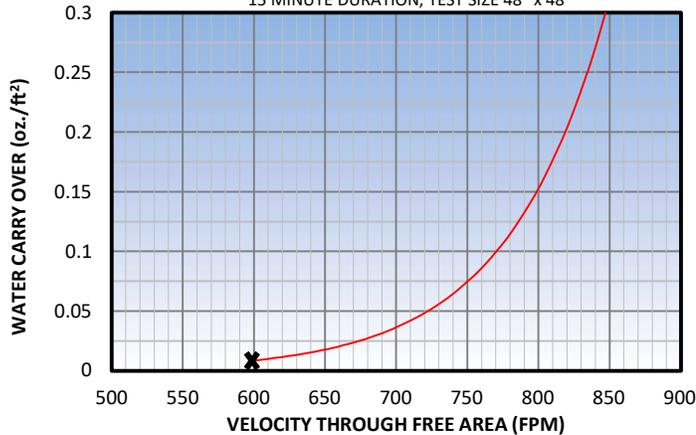
12" DEEP ACOUSTIC LOUVER – FORMED BLADES

FREE AREA (Sq. Ft.)

HEIGHT (INCHES)	WIDTH (INCHES)												
	12	16	20	24	28	32	36	40	44	48	52	56	60
24	0.54	0.75	0.96	1.16	1.37	1.58	1.78	1.99	2.20	2.40	2.61	2.82	3.02
28	0.79	1.10	1.40	1.70	2.01	2.31	2.61	2.91	3.22	3.52	3.82	4.13	4.43
32	0.67	0.92	1.18	1.43	1.69	1.94	2.20	2.45	2.71	2.96	3.22	3.47	3.73
36	1.07	1.48	1.89	2.29	2.70	3.11	3.52	3.92	4.33	4.74	5.15	5.56	5.96
40	1.31	1.80	2.30	2.80	3.30	3.80	4.29	4.79	5.29	5.79	6.28	6.78	7.28
44	1.35	1.86	2.37	2.89	3.40	3.91	4.43	4.94	5.45	5.97	6.48	6.99	7.51
48	1.60	2.21	2.82	3.43	4.04	4.65	5.26	5.87	6.48	7.08	7.69	8.30	8.91
52	1.47	2.04	2.60	3.16	3.72	4.28	4.84	5.41	5.97	6.53	7.09	7.65	8.21
56	1.88	2.59	3.30	4.02	4.73	5.45	6.16	6.88	7.59	8.31	9.02	9.73	10.45
60	2.11	2.92	3.72	4.53	5.33	6.13	6.94	7.74	8.55	9.35	10.16	10.96	11.77
64	2.15	2.97	3.79	4.61	5.43	6.25	7.07	7.89	8.71	9.53	10.35	11.17	11.99
68	2.40	3.32	4.24	5.15	6.07	6.99	7.90	8.82	9.73	10.65	11.57	12.48	13.40
72	2.28	3.15	4.02	4.88	5.75	6.62	7.49	8.36	9.23	10.09	10.96	11.83	12.70

WATER PENETRATION - ACL 1230 / ACL 1235

15 MINUTE DURATION, TEST SIZE 48" x 48"



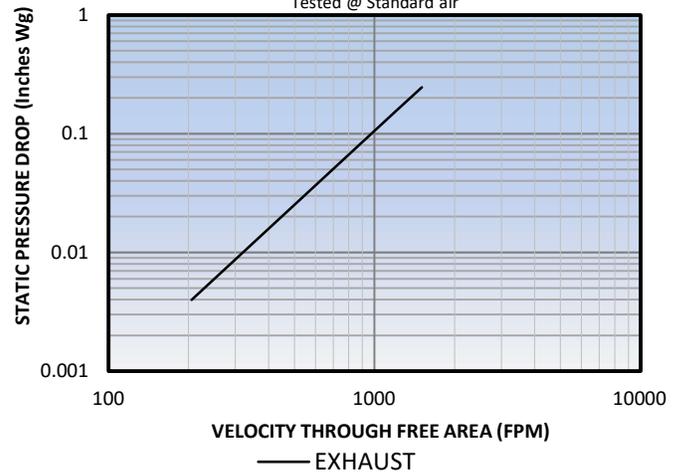
BEGINNING POINT OF WATER PENETRATION AT 0.01 oz./ft² FREE AREA IS 601.5 FPM

*TEST RESULTS DO NOT INCLUDE THE EFFECTS OF BIRDSCREEN

PRESSURE DROP- ACL 1230 / ACL 1235

FIGURE 5.5, TEST SIZE 48" x 48"

Tested @ Standard air



VELOCITY THROUGH FREE AREA (FPM)

— EXHAUST

RECOMMENDED SPECIFICATION

Furnish and install stationary louver models ACL1230 / ACL1235 as manufactured by Ventex Inc, Alliston, Ontario. Louvers shall be 12" (305 mm) deep. Blades shall be 0.063" (1.60 mm) formed aluminum and frame shall be 0.125" (3.18 mm) formed aluminum. Louvers shall have 19 gauge galvanized 1/2" x 1/2" bird screen. All materials shall be factory finished after assembly with Polyester Powder Coat in a color selected from the Ventex Color Chart.

CERTIFIED RATINGS

Ventex Inc. certifies that the models ACL1230 / ACL1235 shown here are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The Certified Ratings Seal applies to air performance and water penetration and sound performance ratings.

