

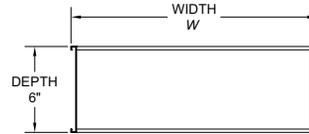


ACL 640 / ACL 645

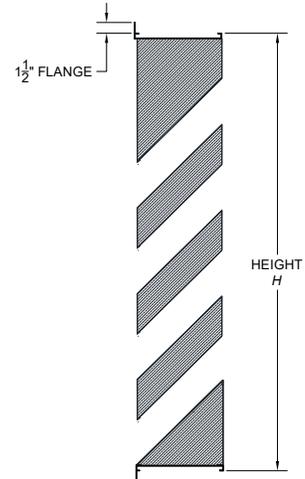
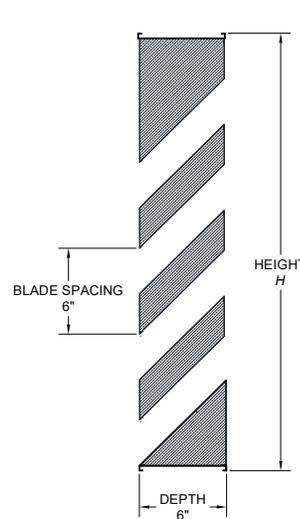
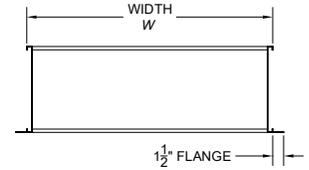
6" DEEP ACOUSTIC LOUVER-FORMED BLADES



MODEL: ACL640
FRAME: CHANNEL FRAME
DUCT-MOUNT (DM)



MODEL: ACL645
FRAME: FLANGE FRAME
FLANGE-MOUNT (FM)



PERFORMANCE			
LOUVER UNIT SIZE	TOTAL AREA	FREE AREA	FREE AREA
48" x 48"	16 ft ²	6.01ft ²	37.3%
(1219 x 1219 mm)	(1.49 m ²)	(0.41 m ²)	
BEGINNING POINT OF WATER PENETRATION AT 0.01 oz./ft ² FREE AREA:			743 FPM

STANDARD CONSTRUCTION

DEPTH:	6" (152 mm)
MATERIAL:	ALUMINUM
FRAME:	0.080" (2.03 mm) – EXTRUDED ALUMINUM – 6063-T5 ALLOY
BLADE EXTERIOR:	0.063" (1.60 mm) – FORMED ALUMINUM
BLADE INTERIOR:	0.032" (0.81 mm) – PERFORATED ALUMINUM – Ø3/32" HOLES
INSULATION:	MINERAL WOOL INSULATION
BLADE ANGLE:	45°
BLADE CENTRES:	6" (152 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	16" (406 mm)	96" (2438 mm)
AREA	1.3 ft ² (0.12 m ²)	40 ft ² (3.72 m ²)

*LOUVER WILL BE MANUFACTURED 1/4" (6.4 mm) SMALLER (SINGLE SECTION) AND 1/2" (12.7 mm) SMALLER (MULTIPLE SECTION) THAN GIVEN OPENING DIMENSIONS UNLESS OTHERWISE SPECIFIED

AVAILABLE ACCESSORIES

FINISH: <ul style="list-style-type: none"> BAKED ENAMEL 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" INTER CRIMPED ALUMINUM ALUMINUM BIRDSCREEN WITH FRAME INSECT SCREEN <ul style="list-style-type: none"> 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" (25.4 mm) INSULATION 2" (50.8 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	4	10
4 / 500	6	12
5 / 1000	11	17
6 / 2000	10	16
7 / 4000	9	15
8 / 8000	9	15

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".



ACL 640 / ACL 645

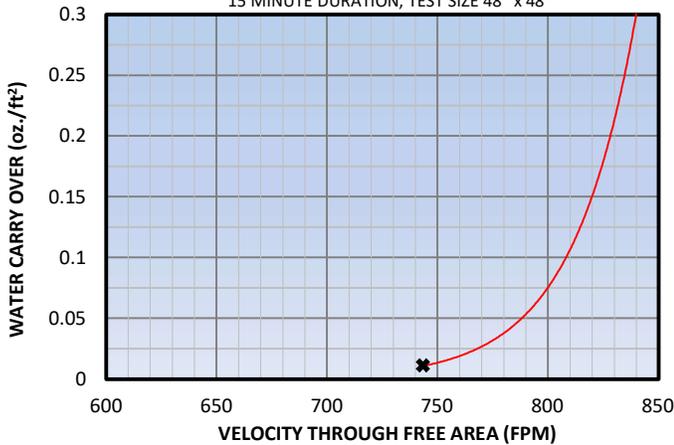
6" DEEP ACOUSTIC LOUVER-FORMED BLADES

FREE AREA (Sq. Ft.)

HEIGHT (INCHES)	WIDTH (INCHES)													
	12	16	20	24	28	32	36	40	44	48	52	56	60	
16	0.30	0.41	0.53	0.64	0.75	0.87	0.98	1.10	1.21	1.32	1.44	1.55	1.67	
20	0.50	0.70	0.89	1.08	1.27	1.47	1.66	1.85	2.04	2.23	2.43	2.62	2.81	
24	0.58	0.80	1.03	1.25	1.47	1.69	1.91	2.13	2.36	2.58	2.80	3.02	3.24	
28	0.69	0.95	1.21	1.47	1.73	2.00	2.26	2.52	2.78	3.04	3.30	3.57	3.83	
32	0.89	1.23	1.57	1.91	2.25	2.59	2.93	3.27	3.61	3.95	4.29	4.63	4.97	
36	0.97	1.34	1.71	2.08	2.45	2.82	3.19	3.56	3.93	4.29	4.66	5.03	5.40	
40	1.07	1.48	1.89	2.30	2.71	3.12	3.53	3.94	4.35	4.76	5.17	5.58	5.99	
44	1.28	1.77	2.26	2.74	3.23	3.72	4.21	4.69	5.18	5.67	6.16	6.65	7.13	
48	1.36	1.87	2.39	2.91	3.43	3.94	4.46	4.98	5.50	6.01	6.53	7.05	7.56	
52	1.46	2.02	2.58	3.13	3.69	4.25	4.81	5.36	5.92	6.48	7.03	7.59	8.15	
56	1.67	2.30	2.94	3.58	4.21	4.85	5.48	6.12	6.75	7.39	8.02	8.66	9.30	
60	1.75	2.41	3.08	3.74	4.41	5.07	5.74	6.40	7.07	7.73	8.40	9.06	9.73	
64	1.85	2.56	3.26	3.97	4.67	5.38	6.08	6.79	7.49	8.20	8.90	9.61	10.31	
68	2.06	2.84	3.62	4.41	5.19	5.97	6.76	7.54	8.32	9.11	9.89	10.67	11.46	
72	2.13	2.95	3.76	4.57	5.38	6.20	7.01	7.82	8.64	9.45	10.26	11.07	11.89	
76	2.04	2.82	3.60	4.38	5.16	5.94	6.72	7.50	8.28	9.05	9.83	10.61	11.39	
80	2.25	3.11	3.96	4.82	5.68	6.54	7.39	8.25	9.11	9.97	10.82	11.68	12.54	
84	2.33	3.21	4.10	4.99	5.87	6.76	7.65	8.53	9.42	10.31	11.19	12.08	12.97	
88	2.24	3.09	3.94	4.80	5.65	6.50	7.36	8.21	9.06	9.91	10.77	11.62	12.47	
92	2.44	3.38	4.31	5.24	6.17	7.10	8.03	8.96	9.89	10.82	11.76	12.69	13.62	
96	2.52	3.48	4.44	5.40	6.36	7.32	8.28	9.25	10.21	11.17	12.13	13.09	14.05	

WATER PENETRATION - ACL 640 / ACL 645

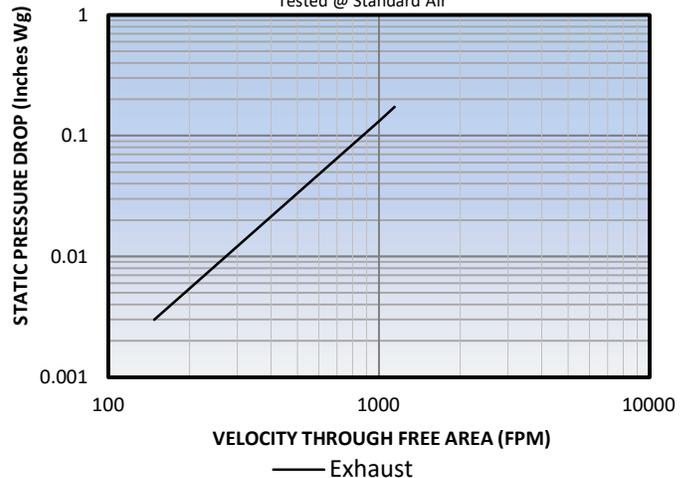
15 MINUTE DURATION, TEST SIZE 48" x 48"



BEGINNING POINT OF WATER PENETRATION AT 0.01 oz./ft² FREE AREA IS 743.3 FPM

PRESSURE DROP- ACL 640 / ACL 645

FIGURE 5.5, TEST SIZE 48" x 48"
Tested @ Standard Air



RECOMMENDED SPECIFICATION

Furnish and install stationary louver models ACL640 / ACL645 as manufactured by Ventex Inc, Alliston, Ontario. Louvers shall be 6" (152 mm) deep. Blades shall be formed 0.063" (1.60 mm) aluminum and frame shall be 0.080" (2.03 mm) extruded 6063-T5 aluminum alloy. 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 ACL640 / ACL 645 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.



DWG. ACL640 / ACL645 JANUARY 2026