



ACL800 / ACL805

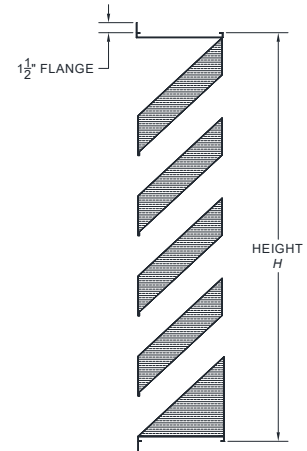
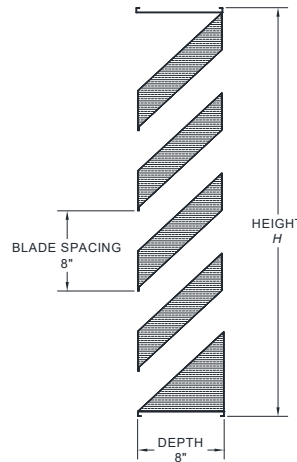
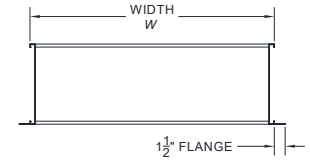
8" DEEP ACOUSTIC LOUVER – FORMED FRAME



MODEL: ACL800
FRAME: CHANNEL FRAME
DUCT-MOUNT (DM)



MODEL: ACL805
FRAME: FLANGE FRAME
FLANGE-MOUNT (FM)



PERFORMANCE			
LOUVER UNIT SIZE	TOTAL AREA	FREE AREA	FREE AREA
48" x 48"	16 ft ²	4.24 ft ²	26.5%
(1219 x 1219 mm)	(1.49 m ²)	(0.39 m ²)	
BEGINNING POINT OF WATER PENETRATION AT 0.01 oz./ft ² FREE AREA:			897 FPM

STANDARD CONSTRUCTION

DEPTH:	8" (203 mm)
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:	45°
BLADE CENTRES:	8" (203 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 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" INTER CRIMPED 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 	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	7	13
2 / 125	7	13
3 / 250	8	14
4 / 500	10	16
5 / 1000	17	23
6 / 2000	18	24
7 / 4000	16	22
8 / 8000	16	22

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".

DWG. ACL800 / 805 DECEMBER 2024



ACL800 / ACL805

8" DEEP ACOUSTIC LOUVER – FORMED FRAME

FREE AREA (Sq. Ft.)

		WIDTH (INCHES)												
		12	16	20	24	28	32	36	40	44	48	52	56	60
HEIGHT (INCHES)	16	0.18	0.26	0.33	0.41	0.48	0.55	0.63	0.70	0.77	0.85	0.92	0.99	1.07
	20	0.37	0.52	0.66	0.81	0.96	1.11	1.25	1.40	1.55	1.69	1.84	1.99	2.14
	24	0.37	0.52	0.66	0.81	0.96	1.11	1.25	1.40	1.55	1.69	1.84	1.99	2.14
	28	0.55	0.77	0.99	1.22	1.44	1.66	1.88	2.10	2.32	2.54	2.76	2.98	3.20
	32	0.55	0.77	0.99	1.22	1.44	1.66	1.88	2.10	2.32	2.54	2.76	2.98	3.20
	36	0.74	1.03	1.33	1.62	1.92	2.21	2.50	2.80	3.09	3.39	3.68	3.98	4.27
	40	0.74	1.03	1.33	1.62	1.92	2.21	2.50	2.80	3.09	3.39	3.68	3.98	4.27
	44	0.92	1.29	1.66	2.03	2.39	2.76	3.13	3.50	3.87	4.24	4.60	4.97	5.34
	48	0.92	1.29	1.66	2.03	2.39	2.76	3.13	3.50	3.87	4.24	4.60	4.97	5.34
	52	1.11	1.55	1.99	2.43	2.87	3.32	3.76	4.20	4.64	5.08	5.53	5.97	6.41
	56	1.11	1.55	1.99	2.43	2.87	3.32	3.76	4.20	4.64	5.08	5.53	5.97	6.41
	60	1.29	1.80	2.32	2.84	3.35	3.87	4.38	4.90	5.41	5.93	6.45	6.96	7.48
	64	1.29	1.80	2.32	2.84	3.35	3.87	4.38	4.90	5.41	5.93	6.45	6.96	7.48
	68	1.47	2.06	2.65	3.24	3.83	4.42	5.01	5.60	6.19	6.78	7.37	7.96	8.55
	72	1.47	2.06	2.65	3.24	3.83	4.42	5.01	5.60	6.19	6.78	7.37	7.96	8.55
	76	1.66	2.32	2.98	3.65	4.31	4.97	5.64	6.30	6.96	7.62	8.29	8.95	9.61
80	1.66	2.32	2.98	3.65	4.31	4.97	5.64	6.30	6.96	7.62	8.29	8.95	9.61	
84	1.84	2.58	3.32	4.05	4.79	5.53	6.26	7.00	7.74	8.47	9.21	9.95	10.68	
88	1.84	2.58	3.32	4.05	4.79	5.53	6.26	7.00	7.74	8.47	9.21	9.95	10.68	
92	2.03	2.84	3.65	4.46	5.27	6.08	6.89	7.70	8.51	9.32	10.13	10.94	11.75	
96	2.03	2.84	3.65	4.46	5.27	6.08	6.89	7.70	8.51	9.32	10.13	10.94	11.75	

FREE AREA (%)

		WIDTH (INCHES)												
		12	16	20	24	28	32	36	40	44	48	52	56	60
HEIGHT (INCHES)	16	13.8%	14.5%	14.9%	15.2%	15.4%	15.5%	15.7%	15.7%	15.8%	15.9%	15.9%	16.0%	16.0%
	20	22.1%	23.2%	23.9%	24.3%	24.6%	24.9%	25.0%	25.2%	25.3%	25.4%	25.5%	25.6%	25.6%
	24	18.4%	19.3%	19.9%	20.3%	20.5%	20.7%	20.9%	21.0%	21.1%	21.2%	21.3%	21.3%	21.4%
	28	23.7%	24.9%	25.6%	26.0%	26.4%	26.6%	26.8%	27.0%	27.1%	27.2%	27.3%	27.4%	27.5%
	32	20.7%	21.8%	22.4%	22.8%	23.1%	23.3%	23.5%	23.6%	23.7%	23.8%	23.9%	24.0%	24.0%
	36	24.6%	25.8%	26.5%	27.0%	27.4%	27.6%	27.8%	28.0%	28.1%	28.2%	28.3%	28.4%	28.5%
	40	22.1%	23.2%	23.9%	24.3%	24.6%	24.9%	25.0%	25.2%	25.3%	25.4%	25.5%	25.6%	25.6%
	44	25.1%	26.4%	27.1%	27.6%	28.0%	28.3%	28.5%	28.6%	28.8%	28.9%	29.0%	29.1%	29.1%
	48	23.0%	24.2%	24.9%	25.3%	25.7%	25.9%	26.1%	26.2%	26.4%	26.5%	26.6%	26.6%	26.7%
	52	25.5%	26.8%	27.5%	28.1%	28.4%	28.7%	28.9%	29.1%	29.2%	29.3%	29.4%	29.5%	29.6%
	56	23.7%	24.9%	25.6%	26.0%	26.4%	26.6%	26.8%	27.0%	27.1%	27.2%	27.3%	27.4%	27.5%
	60	25.8%	27.1%	27.8%	28.4%	28.7%	29.0%	29.2%	29.4%	29.5%	29.7%	29.8%	29.8%	29.9%
	64	24.2%	25.4%	26.1%	26.6%	26.9%	27.2%	27.4%	27.6%	27.7%	27.8%	27.9%	28.0%	28.0%
	68	26.0%	27.3%	28.1%	28.6%	29.0%	29.3%	29.5%	29.6%	29.8%	29.9%	30.0%	30.1%	30.2%
	72	24.6%	25.8%	26.5%	27.0%	27.4%	27.6%	27.8%	28.0%	28.1%	28.2%	28.3%	28.4%	28.5%
	76	26.2%	27.5%	28.3%	28.8%	29.2%	29.4%	29.7%	29.8%	30.0%	30.1%	30.2%	30.3%	30.4%
80	24.9%	26.1%	26.9%	27.3%	27.7%	28.0%	28.2%	28.3%	28.5%	28.6%	28.7%	28.8%	28.8%	
84	26.3%	27.6%	28.4%	28.9%	29.3%	29.6%	29.8%	30.0%	30.1%	30.3%	30.4%	30.4%	30.5%	
88	25.1%	26.4%	27.1%	27.6%	28.0%	28.3%	28.5%	28.6%	28.8%	28.9%	29.0%	29.1%	29.1%	
92	26.4%	27.7%	28.5%	29.1%	29.4%	29.7%	29.9%	30.1%	30.3%	30.4%	30.5%	30.6%	30.7%	
96	25.3%	26.6%	27.3%	27.9%	28.2%	28.5%	28.7%	28.9%	29.0%	29.1%	29.2%	29.3%	29.4%	

RECOMMENDED SPECIFICATION

Furnish and install stationary louver models ACL800 / ACL805 as manufactured by Ventex Inc, Alliston, Ontario. Louvers shall be 8" (203 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" birdscreen. All materials shall be factory finished after assembly with Polyester Powder Coat in a colour selected from the Ventex Colour Chart.