

CERTIFIED PERFORMANCE DATA
Testing Information:

All acoustical performance and aerodynamic data is derived from NVLAP accredited laboratory tests in accordance with ASTM E477, the standard method for testing duct silencers. Published information originated from a 24"x24" (610mm x 610mm) production unit, tested in forward flow ("+" = air/noise in same direction) and reverse flow ("-") = air/noise in opposite direction). If silencers are installed immediately before/after elbows or transitions, at the intake/discharge of the system or without a duct, allowance for such conditions must be included and compensated for when calculating the operating pressure through the silencer. Failure to make allowances for these conditions can add several velocity heads to the pressure loss of the system.

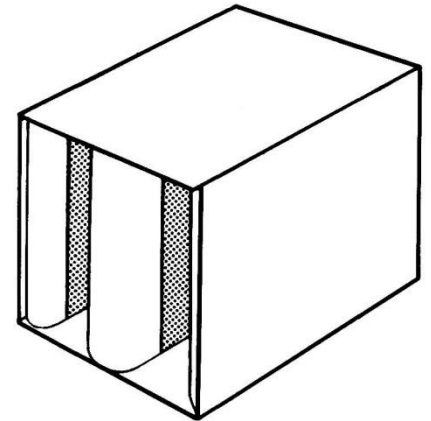


TABLE I									
Face Velocity fpm	Insertion Loss (db)								
	Octave Band Center Frequency (Hz)								
	1	2	3	4	5	6	7	8	
63									
-2000	8	13	18	23	25	20	13	11	
-1000	7	12	18	22	22	19	16	14	
+1000	5	10	15	18	20	20	14	12	
+2000	5	9	15	18	20	20	14	12	
TABLE II									
Face Velocity fpm	1	2	3	4	5	6	7	8	
	63	125	250	500	1K	2K	4K	8K	
	-2000	56	52	50	46	44	49	44	43
-1000	48	45	42	37	37	38	29	30	
+1000	46	41	39	43	50	50	39	30	
+2000	63	57	55	55	55	59	59	50	
TABLE III									
Sound Attenuator Face Area, Sq. Ft.	0.375	0.75	1.5	3	6	12	24	48	96
PWL Adj. Factor, dB	-9	-6	-3	0	3	6	9	12	15

This table contains forward and reverse flow acoustic performance data based on testing to ASTM E477 testing standards. Copies of these tests can be furnished upon request.

Standard Construction:

- Maximum Differential Pressure: 8 in. wg.
- Outer casing: Minimum 22 gauge G90 galvanized steel
- Internal baffles: Minimum 22 gauge G90 galvanized steel
- Lock formed and mastic filled
- Attenuation materials: Inorganic glass fiber packed under a minimum of 5% compression. Flame spread of 15, fuel contributed of 0, smoke developed of 0 as tested with UL Test Procedure 723

