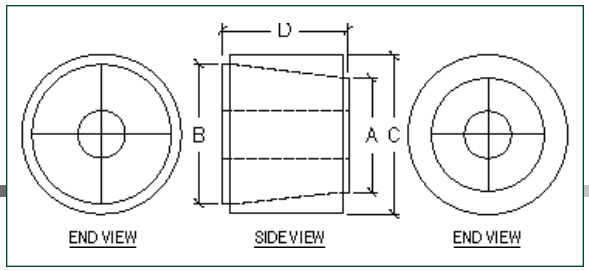
66 AC-D
AXIAL CONE DISSIPATIVE SILENCER

Vibro-Acoustics®
CERTIFIED
PERFORMANCE DATA



Insertion Loss (IL)

+ : "forward flow" where noise & airflow move in same direction (e.g. supply side)
- : "reverse flow" where noise & airflow move in opposite directions (e.g. return side)

A (in.)	Centerbody Diameter* (in.)	D (in.)	Fan Inlet/Outlet Velocity (ft. per min.)	OCTAVE BAND - Hz/D.I.L. (dB) 63	125	250	500	1000	2000	4000	8000
66	0	66	- 2000	1	4	8	13	9	7	6	4
			0	1	4	8	12	8	7	6	4
			+ 2000	1	4	7	12	9	7	6	4
66	0	99	- 2000	2	7	13	21	18	11	9	9
			0	2	7	13	20	17	10	9	8
			+ 2000	2	7	12	20	17	11	10	8
66	20	66	- 2000	1	5	9	14	15	11	9	7
			0	1	4	8	13	14	11	9	7
			+ 2000	1	4	7	12	13	11	9	7
66	20	99	- 2000	4	8	19	22	21	16	13	11
			0	3	8	18	21	20	15	13	11
			+ 2000	3	8	19	21	20	15	13	11
66	26	66	- 2000	2	5	10	17	19	14	11	9
			0	2	4	9	16	18	14	11	9
			+ 2000	2	4	9	15	17	14	11	9
66	26	99	- 2000	5	10	22	24	26	19	16	12
			0	4	9	21	23	25	18	16	12
			+ 2000	4	9	21	23	25	18	17	13
66	30	66	- 2000	4	8	14	21	25	18	14	12
			0	3	7	13	20	25	17	14	12
			+ 2000	3	7	12	19	24	17	14	12
66	30	99	- 2000	5	12	25	27	28	21	17	14
			0	4	11	24	26	27	20	17	14
			+ 2000	5	11	24	25	27	20	17	14

*Note: The centerbody diameter should be matched to the fan hub diameter for an inlet silencer or the fan motor diameter for a discharge silencer.

Pressure Drop (PD)

A (in.)	B (in.)	C (in.)	Centerbody Diameter. (in.)	D (in.)	Weight	Pressure Drop based on Fan Inlet/Outlet Velocity = 2000 FPM* Silencer On: Fan Inlet Ducted	Fan Inlet Unducted	Fan Outlet Ducted	Fan Outlet Unducted
66	84	89	0	66	1075	0.03	0.05	0.03	0.13
66	84	89	0	99	1465	0.04	0.06	0.03	0.13
66	84	89	20	66	1315	0.03	0.05	0.03	0.15
66	84	89	20	99	1740	0.04	0.06	0.03	0.15
66	84	89	26	66	1385	0.04	0.06	0.05	0.18
66	84	89	26	99	1825	0.05	0.08	0.05	0.18
66	84	89	30	66	1435	0.04	0.06	0.06	0.20
66	84	89	30	99	1890	0.05	0.08	0.05	0.19

*Note: For Pressure Drops at other velocities:

$$\text{Actual PD} = \left(\frac{\text{Actual velocity}}{2000\ \text{FPM}} \right)^2 \times \text{PD from chart}$$