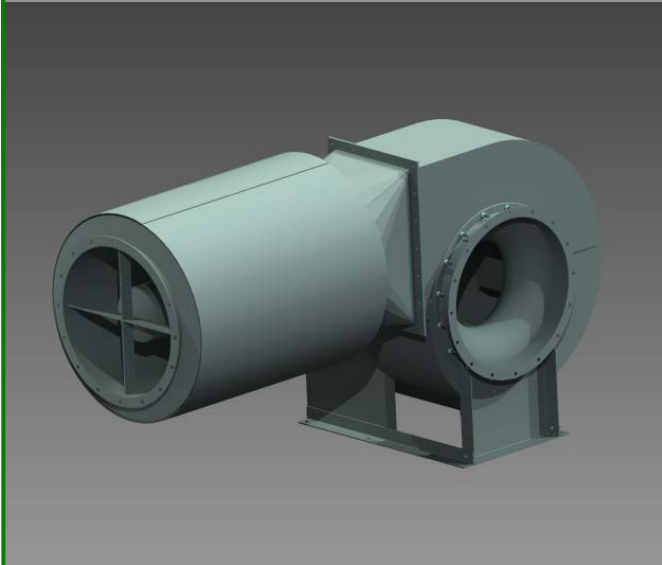
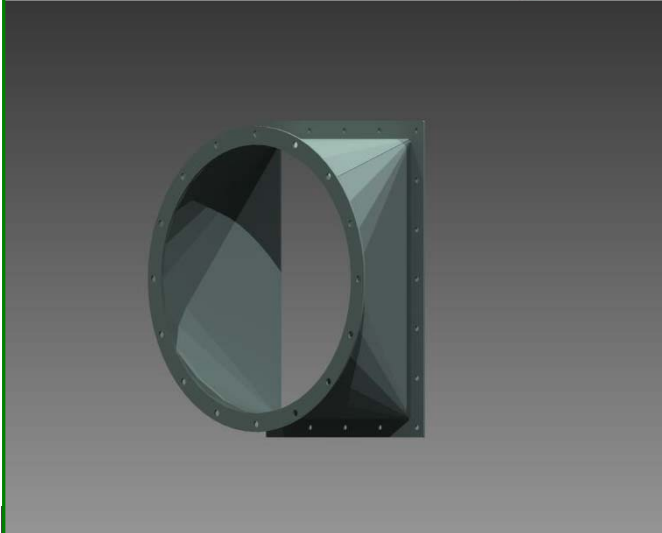
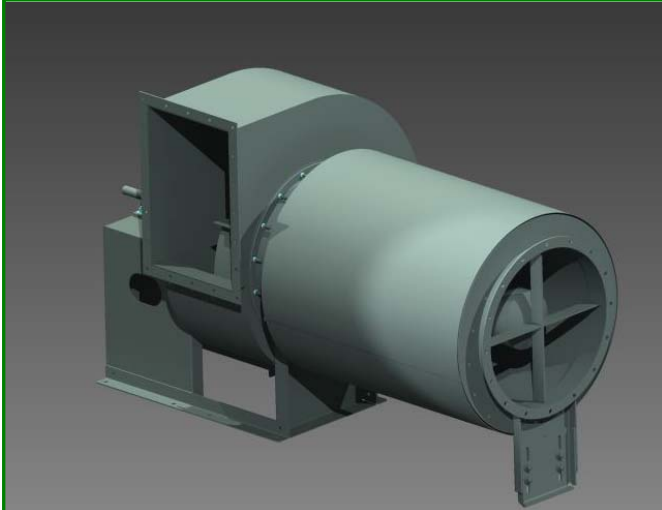


ROUND INLET AND OUTLET SILENCERS WITH OPTIONAL RECTANGULAR TO ROUND TRANSITIONS FOR NYB FANS



The New York Blower Company offers a wide variety of silencer solutions for its fans and blowers.

The silencers shown in this supplement have been designed specifically for **nyb's** products. They have been rated for acoustical attenuation with air flowing through them. The term "Dynamic Insertion Loss" is used to express attenuation when silencers are rated by this method, which has come to be recognized as the most accurate method for rating equipment that must handle air as well as attenuate sound.

The "Effective Flow Resistance" of a Silencer is the result of changes in velocity. The "Effective Flow Resistance" has been incorporated into **nyb's** electronic fan selection tool (Fan-to-Size). In addition, Fan-to-Size calculates the silencer's pressure drop at the desired flow and automatically corrects performance.

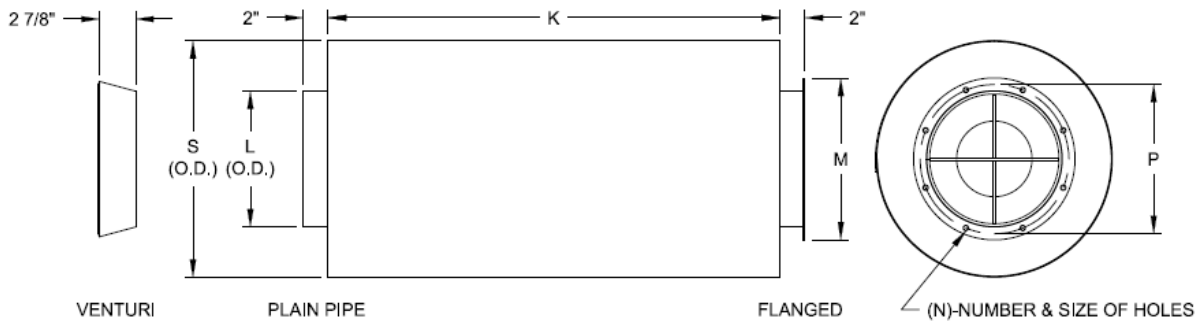
FEATURES

- **Versatile Design** - While **nyb** Silencers were designed specifically for mounting on the inlet or outlet (with optional outlet transition) of the fan, they may also be used elsewhere in the duct.
- **Optional Support Leg** – Available on inlet silencers to match fan inlet height.
- **Ease of Installation** - Silencers can be equipped with flanged or slip type connections to fit a variety of mounting arrangements. A venturi inlet with guard is also available for use on the inlet side of the silencer when no duct will be used.
- **Quality Construction** - Heavy welded steel construction ... casing filled with high density acoustical absorption material.
- **Temperature Capability** - Silencers operate efficiently at temperatures up to 600°F.
- **Accurately Rated** – Fan-to-Size calculates changes in airflow and sound attenuation directly as it applies to the fan type, size, and performance inputted for your specific application needs.



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DIMENSIONS [Inches]

Silencer I.D.	K	L (O.D.)	S (O.D.)	M	P	N	Short (36") Weight	Long (72½") Weight
8 3/16	36 or 71 1/2	7 3/4	15 3/4	7 7/8	11 1/2	(6) 7/16	103	171
10 1/16	36 or 71 1/2	9 1/2	17 1/2	9 1/2	13 1/2	(6) 7/16	117	194
8 3/16	36 or 71 1/2	8 3/4	16 3/4	7 7/8	11 1/2	(6) 7/16	109	182
10 1/16	36 or 71 1/2	10 3/4	18 3/4	9 1/2	13 1/2	(6) 7/16	125	208
10 1/8	36 or 71 1/2	10 5/8	18 5/8	9 3/4	14	(8) 7/16	127	209
10 5/16	36 or 71 1/2	10 13/16	18 13/16	12 7/8	11 7/8	(8) 7/16	121	202
13	36 or 71 1/2	12 5/8	20 5/8	10 3/4	16	(8) 7/16	145	237
13 1/2	36 or 71 1/2	14	22	15 1/2	14 5/8	(8) 7/16	145	241
14 13/16	36 or 71 1/2	15 5/16	23 5/16	16 13/16	15 7/8	(8) 7/16	155	258
14 15/16	36 or 71 1/2	14 5/8	21 5/8	12 3/8	18	(8) 7/16	161	263
16 3/8	36 or 71 1/2	16 7/8	24 7/8	19 3/8	17 7/8	(8) 7/16	169	280
16 7/8	36 or 71 1/2	16 5/8	22 5/8	14	20	(8) 7/16	178	289
18 1/4	36 or 71 1/2	18 3/4	26 3/4	21 1/4	19 5/8	(8) 7/16	184	304
18 3/4	36 or 71 1/2	18 5/8	26 5/8	15 5/8	22	(16) 7/16	194	315
20	36 or 71 1/2	20 1/2	28 1/2	23	21 3/4	(16) 9/16	229	374
20 11/16	36 or 71 1/2	20 5/8	28 5/8	17 1/4	24	(16) 7/16	240	388
21 3/4	36 or 71 1/2	22 1/4	30 1/4	24 3/4	23 1/2	(16) 9/16	242	395
22 13/16	36 or 71 1/2	22 5/8	30 5/8	19	27	(16) 9/16	263	421
24 3/8	36 or 71 1/2	24 7/8	32 7/8	27 3/8	26 1/8	(16) 9/16	272	444
25 11/16	36 or 71 1/2	25 5/8	33 5/8	21 3/8	30	(16) 9/16	296	474
26 7/8	36 or 71 1/2	27 3/8	35 3/8	30 7/8	29 1/8	(16) 9/16	298	482
28 11/16	36 or 71 1/2	28 5/8	36 5/8	23 7/8	33	(16) 9/16	325	518
29 1/2	36 or 71 1/2	30	38	33 1/2	31 3/4	(16) 9/16	345	561
32 5/8	36 or 71 1/2	32 5/8	40 5/8	27 1/8	37	(16) 9/16	385	618
32 7/8	36 or 71 1/2	33 3/8	41 3/8	36 7/8	35 1/8	(16) 9/16	374	607
36 1/8	36 or 71 1/2	36 5/8	44 5/8	40 1/8	38 3/8	(16) 9/16	411	667
36 9/16	36 or 71 1/2	36 1/2	42 1/2	30 1/2	41	(24) 9/16	421	671
40 1/8	36 or 71 1/2	40 5/8	48 5/8	44 1/8	42 3/8	(16) 9/16	474	767
40 3/8	36 or 71 1/2	40 1/2	48 1/2	33 5/8	45	(24) 9/16	490	784
43 7/8	36 or 71 1/2	44 3/8	52 3/8	47 7/8	46 1/8	(24) 9/16	520	840
44 5/16	36 or 71 1/2	44 1/2	52 1/2	36 7/8	49	(24) 9/16	529	851
48 1/4	36 or 71 1/2	48 1/2	56 1/2	40 1/8	53	(24) 9/16	616	980
48 7/8	36 or 71 1/2	49 3/8	57 3/8	52 7/8	51 1/8	(24) 9/16	613	978
53 7/8	36 or 71 1/2	54 3/8	62 3/8	57 7/8	56 1/8	(24) 9/16	734	1168
59 3/8	36 or 71 1/2	59 7/8	67 7/8	63 3/8	61 5/8	(24) 9/16	782	1243
66 1/8	36 or 71 1/2	66 5/8	74 5/8	70 1/8	68 3/8	(32) 9/16	842	1336
72 5/8	36 or 71 1/2	73 1/8	81 1/8	76 5/8	74 7/8	(32) 9/16	1068	1604
80 5/8	36 or 71 1/2	81 1/8	89 1/8	84 5/8	82 7/8	(32) 9/16	1262	1895
88 5/8	36 or 71 1/2	89 1/8	97 1/8	92 5/8	90 7/8	(32) 9/16	1343	2012
97 5/8	36 or 71 1/2	98 1/8	106 1/8	101 5/8	99 7/8	(32) 9/16	1515	2289

* For AH/AM wheels.

THE NEW YORK BLOWER COMPANY POLICY REGARDING "SOUND" SPECIFICATIONS

NOTE: This policy statement is presented both as a guide to purchasers of fan equipment and as a resolution of **nyb**'s responsibility in cases where the purchaser has requested that **nyb** equipment meet certain noise level specifications.

nyb provides sound power level ratings in each of the eight octave bands, as tested and rated in accordance with Air Movement and Control Association (AMCA) Publication 300. These ratings are statements of the total sound energy levels emanating from the inlet and outlet of the fan itself.

These sound power ratings are considered the only truly accurate basis for comparison, or for further estimating the resultant noise levels within a given system or installation. Refer to **nyb** Engineering Letter 12 for a detailed explanation.

In some cases **nyb** offers silencers for the fan inlet and/or outlet that can be used to attenuate sound power emanating through the fan inlet or outlet. Specific ratings are available to determine the revised sound levels resulting from the use of such silencers. Though methods are available for estimating values of sound pressure levels by octave band or the single number dBA at points some distance from the fan, these result merely in estimates based on ideal situations that do not take into effect background noise, other sound producing equipment in an installation, the effective building configuration and construction and/or the effects of ductwork configuration and physical construction.

Specifications demanding guaranteed pressure levels in any form, either adjacent to the fan or at other points in the installation or system, can only be met through qualified analysis of the total system and physical environs by professional Acoustical Consultants or trained Acoustical Engineers - a professional service that is clearly beyond the responsibility of the fan manufacturer.

Consequently, **nyb** offers these sound power level ratings, as tested and rated in accordance with AMCA Publication 300 and 301, as the only qualified tool for meaningful evaluation by the purchaser or his agent. This constitutes an exception to any specification for sound data or guarantees in any form other than sound power level ratings.