

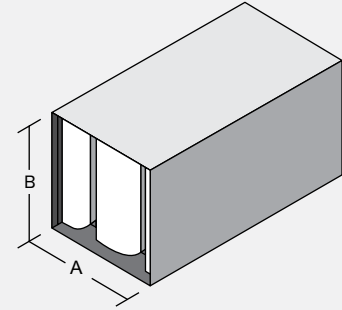
RNM-LV-F1

Rectangular No-Media
Low velocity silencer
(<750 fpm)

How to Specify Example:

32 X 21 RNM-LV-F1 X 60

↑ Duct Width ↑ Duct Height ↑ Silencer Model ↑ Silencer Length



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)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 750	6	7	21	16	14	12	12	11
	0	4	4	15	12	11	10	10	9
	+ 750	5	5	19	15	12	11	9	8
60	- 750	9	9	22	17	15	13	11	11
	0	8	5	16	13	13	11	10	10
	+ 750	8	7	21	17	14	12	10	9
84	- 750	10	11	25	21	16	15	13	12
	0	9	7	17	16	15	13	12	11
	+ 750	9	10	23	20	16	13	12	11
108	- 750	11	13	27	25	18	16	14	13
	0	10	9	19	18	17	14	14	12
	+ 750	10	12	25	24	18	15	14	12

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Length (in.)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
	250	500	750	1000	1250	1500	1750
36	0.02	0.09	0.19	0.35	0.54	0.78	1.06
60	0.02	0.07	0.15	0.26	0.41	0.59	0.80
84	0.02	0.07	0.16	0.28	0.44	0.63	0.86
108	0.02	0.08	0.17	0.30	0.47	0.68	0.92

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 5 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1K	2K	4K	8K
All	- 750	51	47	46	49	56	60	54	39
	- 500	51	43	43	46	51	51	40	31
	+ 500	52	40	36	40	47	46	37	30
	+ 750	54	45	39	43	52	55	51	39

GN correction chart at right must be used to correct GN to other face areas. →

Face Area (sq.ft.)	2.5	5	10	20	40	80
dB	-3	0	+3	+6	+9	+12

Cross Section Sizes*

"A" dimension (in.)

15-16
29-32
58-64
87-96
116-128
145-160
174-192
203-224
232-240

"B" dimension ANY SIZE

Approx. weight
4.2 lbs/cu.ft.

See [Rectangular Silencer Cross-Section Dimensions](#) to ensure selection matches ductwork dimensions.

RNM-LV-F2

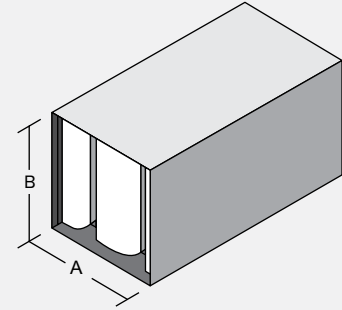
Rectangular No-Media
Low velocity silencer
(<750 fpm)

How to Specify Example:

27 X **22** **RNM-LV-F2** X **60**

↑ ↑ ↑ ↑

Duct Width Duct Height Silencer Model Silencer Length



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)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 750	7	7	19	16	13	12	11	10
	0	4	4	13	13	11	10	10	9
	+ 750	5	5	17	16	12	11	9	8
60	- 750	10	9	20	18	14	13	10	10
	0	8	5	14	14	13	11	10	9
	+ 750	8	8	19	17	14	12	10	9
84	- 750	11	11	22	21	16	14	12	12
	0	9	7	16	16	15	13	12	11
	+ 750	9	10	21	20	16	14	12	11
108	- 750	12	13	25	24	18	16	13	12
	0	10	9	17	18	16	14	13	12
	+ 750	11	12	23	23	18	15	14	12

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Length (in.)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
	250	500	750	1000	1250	1500	1750
36	0.02	0.09	0.19	0.34	0.54	0.77	1.05
60	0.02	0.06	0.15	0.26	0.40	0.58	0.79
84	0.02	0.07	0.16	0.28	0.43	0.62	0.85
108	0.02	0.08	0.17	0.30	0.47	0.68	0.92

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 5 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1K	2K	4K	8K
All	- 750	51	47	45	48	56	59	53	39
	- 500	50	42	42	46	52	51	40	30
	+ 500	51	40	37	40	48	47	38	30
	+ 750	53	45	41	43	52	55	51	39

GN correction chart at right must be used to correct GN to other face areas. →

Face Area (sq.ft.)	2.5	5	10	20	40	80
dB	-3	0	+3	+6	+9	+12

Cross Section Sizes*

"A" dimension (in.)

14
27-28
54-57
81-86
108-115
135-144
162-173
189-202
216-231

"B" dimension ANY SIZE

Approx. weight
4.2 lbs/cu.ft.

See [Rectangular Silencer Cross-Section Dimensions](#) to ensure selection matches ductwork dimensions.

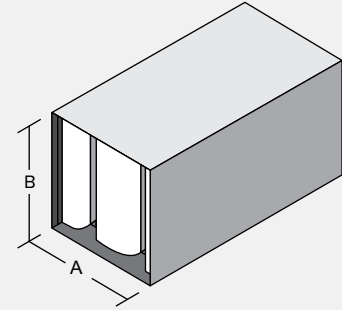
RNM-LV-F3

Rectangular No-Media
Low velocity silencer
(<750 fpm)

How to Specify Example:

25 X 21 RNM-LV-F3 X 60

↑ Duct Width ↑ Duct Height ↑ Silencer Model ↑ Silencer Length



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)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 750	8	7	17	17	13	12	10	10
	0	5	5	12	14	11	10	9	8
	+ 750	6	5	15	17	12	11	9	9
60	- 750	11	9	18	18	14	12	10	9
	0	9	6	13	15	13	11	10	9
	+ 750	9	8	17	18	14	12	10	9
84	- 750	12	11	20	20	16	14	12	11
	0	9	7	14	17	15	14	12	11
	+ 750	10	10	18	20	16	14	12	11
108	- 750	14	13	22	22	18	15	12	12
	0	10	9	15	18	16	14	13	11
	+ 750	12	12	20	22	18	15	13	12

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Length (in.)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
	250	500	750	1000	1250	1500	1750
36	0.02	0.09	0.19	0.34	0.53	0.77	1.05
60	0.02	0.06	0.14	0.26	0.40	0.58	0.79
84	0.02	0.07	0.15	0.27	0.43	0.62	0.84
108	0.02	0.08	0.17	0.30	0.47	0.68	0.93

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 5 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1K	2K	4K	8K
All	- 750	52	47	45	48	55	59	52	38
	- 500	49	41	41	45	52	51	40	30
	+ 500	50	40	37	40	48	47	39	30
	+ 750	51	45	42	43	52	55	51	40

GN correction chart at right must be used to correct GN to other face areas. →

Face Area (sq.ft.)	2.5	5	10	20	40	80
dB	-3	0	+3	+6	+9	+12

Cross Section Sizes*

"A" dimension (in.)
13
25-26
50-53
75-80
100-107
125-134
150-161
175-188
200-215
225-240

"B" dimension
ANY SIZE

Approx. weight
4.4 lbs/cu.ft.

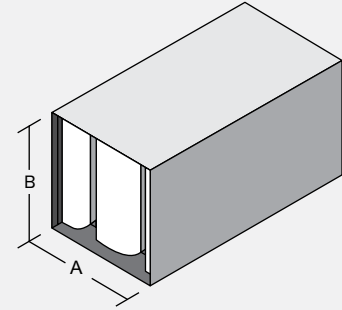
See [Rectangular Silencer Cross-Section Dimensions](#) to ensure selection matches ductwork dimensions.

RNM-LV-F4

Rectangular No-Media
Low velocity silencer
(<750 fpm)

How to Specify Example:

47 X 22 RNM-LV-F4 X 60
 ↑ Duct Width ↑ Duct Height ↑ Silencer Model ↑ Silencer Length



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)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 750	9	7	14	17	13	11	9	9
	0	5	5	10	15	11	11	9	8
	+ 750	6	5	13	17	12	12	9	9
60	- 750	12	9	16	19	14	12	9	9
	0	9	6	12	16	13	12	10	8
	+ 750	9	8	15	18	14	13	10	10
84	- 750	13	11	17	20	16	14	11	11
	0	10	7	12	17	15	14	11	11
	+ 750	11	10	16	20	16	15	12	11
108	- 750	15	13	19	21	18	15	11	11
	0	10	8	13	19	16	15	12	11
	+ 750	13	11	17	21	17	16	13	12

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Length (in.)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
	250	500	750	1000	1250	1500	1750
36	0.02	0.09	0.19	0.34	0.53	0.77	1.04
60	0.02	0.06	0.14	0.26	0.40	0.57	0.78
84	0.02	0.07	0.15	0.27	0.42	0.61	0.83
108	0.02	0.08	0.17	0.31	0.48	0.69	0.93

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 5 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1K	2K	4K	8K
All	- 750	53	47	44	47	55	58	51	38
	- 500	49	41	39	45	52	51	40	30
	+ 500	49	40	38	40	48	48	40	31
	+ 750	50	46	43	43	52	56	51	40

GN correction chart at right must be used to correct GN to other face areas. →

Face Area (sq.ft.)	2.5	5	10	20	40	80
dB	-3	0	+3	+6	+9	+12

Cross Section Sizes*

"A" dimension (in.)
 12
 23-24
 46-49
 69-74
 92-99
 115-124
 138-149
 161-174
 184-199
 207-224
 230-240

"B" dimension
 ANY SIZE

Approx. weight
 4.5 lbs/cu.ft.

See [Rectangular Silencer Cross-Section Dimensions](#) to ensure selection matches ductwork dimensions.

RNM-LV-F5

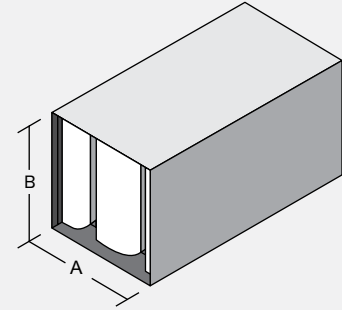
Rectangular No-Media
Low velocity silencer
(<750 fpm)

How to Specify Example:

47 X **22** **RNM-LV-F5** X **60**

↑ ↑ ↑ ↑

Duct Width Duct Height Silencer Model Silencer Length



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)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 750	8	7	14	17	14	12	9	9
	0	5	5	10	15	13	11	9	8
	+ 750	6	5	12	17	14	12	10	9
60	- 750	11	9	15	19	16	12	9	9
	0	8	6	11	16	14	12	10	9
	+ 750	8	8	14	18	16	13	11	10
84	- 750	13	11	17	19	18	14	11	11
	0	9	7	11	17	16	14	11	11
	+ 750	10	9	15	19	17	15	12	11
108	- 750	14	12	18	21	19	15	12	11
	0	10	8	13	18	18	15	12	11
	+ 750	12	11	17	20	19	17	13	12

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Length (in.)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
	250	500	750	1000	1250	1500	1750
36	0.02	0.09	0.19	0.34	0.54	0.77	1.05
60	0.02	0.06	0.14	0.26	0.40	0.58	0.79
84	0.02	0.07	0.15	0.27	0.42	0.61	0.83
108	0.02	0.08	0.17	0.31	0.48	0.69	0.94

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 5 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1K	2K	4K	8K
All	- 750	53	47	44	48	55	59	52	38
	- 500	48	41	39	45	53	51	40	30
	+ 500	50	40	38	40	48	48	40	31
	+ 750	50	46	43	44	51	56	52	41

GN correction chart at right must be used to correct GN to other face areas. →

Face Area (sq.ft.)	2.5	5	10	20	40	80
dB	-3	0	+3	+6	+9	+12

Cross Section Sizes*

"A" dimension (in.)

11
21-22
42-45
63-68
84-91
105-114
126-137
147-160
168-183
189-206
210-229
231-240

"B" dimension ANY SIZE

Approx. weight
4.7 lbs/cu.ft.

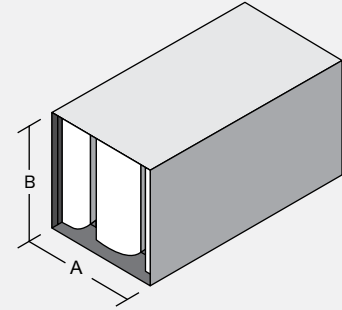
See [Rectangular Silencer Cross-Section Dimensions](#) to ensure selection matches ductwork dimensions.

RNM-LV-F6

Rectangular No-Media
Low velocity silencer
(<750 fpm)

How to Specify Example:

40 X 21 RNM-LV-F6 X 60
 ↑ Duct Width ↑ Duct Height ↑ Silencer Model ↑ Silencer Length



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)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 750	8	7	13	17	16	12	9	9
	0	5	5	9	14	14	11	10	8
	+ 750	6	5	12	16	16	12	10	9
60	- 750	10	9	15	18	18	13	9	9
	0	7	6	11	16	16	12	10	10
	+ 750	7	7	14	18	18	13	11	10
84	- 750	12	11	16	19	19	15	11	11
	0	9	7	11	17	18	14	11	11
	+ 750	10	9	15	19	19	15	12	11
108	- 750	12	12	18	20	21	16	12	11
	0	9	8	12	18	20	16	12	11
	+ 750	11	10	16	20	21	17	13	12

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Length (in.)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
	250	500	750	1000	1250	1500	1750
36	0.02	0.09	0.19	0.35	0.54	0.78	1.06
60	0.02	0.06	0.15	0.26	0.40	0.58	0.79
84	0.02	0.07	0.15	0.27	0.42	0.61	0.83
108	0.02	0.08	0.17	0.31	0.48	0.70	0.95

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 5 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1K	2K	4K	8K
All	- 750	53	47	44	48	56	60	53	39
	- 500	48	41	40	45	54	52	41	31
	+ 500	50	40	38	40	48	49	40	31
	+ 750	50	46	43	44	51	57	52	42

GN correction chart at right must be used to correct GN to other face areas. →

Face Area (sq.ft.)	2.5	5	10	20	40	80
dB	-3	0	+3	+6	+9	+12

Cross Section Sizes*

"A" dimension (in.)
 10
 19-20
 38-41
 57-62
 76-83
 95-104
 114-125
 133-146
 152-167
 171-188
 190-240

"B" dimension
 ANY SIZE

Approx. weight
 4.9 lbs/cu.ft.

See [Rectangular Silencer Cross-Section Dimensions](#) to ensure selection matches ductwork dimensions.

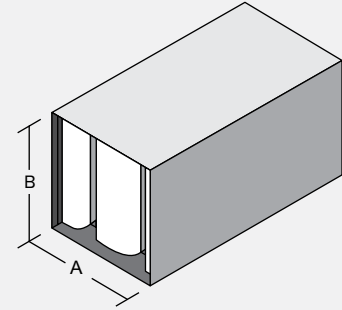
RNM-LV-F7

Rectangular No-Media
Low velocity silencer
(<750 fpm)

How to Specify Example:

37 X 21 RNM-LV-F7 X 60

↑ Duct Width ↑ Duct Height ↑ Silencer Model ↑ Silencer Length



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)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 750	7	7	13	16	18	12	10	9
	0	5	5	9	14	15	11	10	9
	+ 750	6	5	11	16	17	12	10	9
60	- 750	8	9	15	18	20	13	9	9
	0	6	6	10	16	18	13	10	9
	+ 750	6	7	14	17	20	13	11	10
84	- 750	12	11	16	19	21	15	11	10
	0	9	7	11	16	20	14	11	11
	+ 750	9	9	14	18	21	15	12	11
108	- 750	11	11	17	20	23	17	12	11
	0	9	7	12	17	21	16	12	11
	+ 750	10	10	15	19	23	18	13	13

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Length (in.)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
	250	500	750	1000	1250	1500	1750
36	0.02	0.09	0.20	0.35	0.54	0.78	1.06
60	0.02	0.07	0.15	0.26	0.41	0.59	0.80
84	0.02	0.07	0.15	0.27	0.42	0.61	0.83
108	0.02	0.08	0.18	0.31	0.49	0.70	0.96

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 5 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1K	2K	4K	8K
All	- 750	53	47	45	49	56	60	54	40
	- 500	48	41	40	45	54	53	42	31
	+ 500	51	40	38	41	48	49	41	31
	+ 750	50	46	44	45	51	57	53	42

GN correction chart at right must be used to correct GN to other face areas. →

Face Area (sq.ft.)	2.5	5	10	20	40	80
dB	-3	0	+3	+6	+9	+12

Cross Section Sizes*

"A" dimension (in.)
9
17-18
33-37
50-56
66-75
83-94
99-113
116-240

"B" dimension
ANY SIZE

Approx. weight
5.0 lbs/cu.ft.

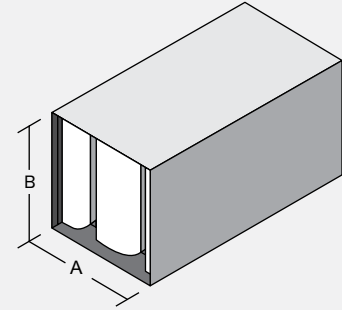
See [Rectangular Silencer Cross-Section Dimensions](#) to ensure selection matches ductwork dimensions.

RNM-LV-F8

Rectangular No-Media
Low velocity silencer
(<750 fpm)

How to Specify Example:

14 X 22 RNM-LV-F8 X 60
 ↑ Duct Width ↑ Duct Height ↑ Silencer Model ↑ Silencer Length



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)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 750	8	9	12	26	16	13	13	12
	0	5	6	8	22	10	10	11	10
	+ 750	4	7	11	24	14	12	12	9
60	- 750	7	11	15	27	18	13	13	12
	0	2	7	10	23	14	12	12	11
	+ 750	2	8	13	26	17	13	12	11
84	- 750	9	12	15	27	21	15	14	13
	0	5	8	10	24	17	13	13	12
	+ 750	5	10	14	26	20	14	13	12
108	- 750	11	13	16	28	24	16	15	14
	0	8	9	10	24	19	14	14	13
	+ 750	8	11	15	27	22	15	15	14

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Length (in.)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
	250	500	750	1000	1250	1500	1750
36	0.02	0.09	0.20	0.35	0.55	0.79	1.07
60	0.02	0.07	0.15	0.26	0.41	0.59	0.80
84	0.02	0.07	0.15	0.28	0.43	0.62	0.84
108	0.02	0.07	0.16	0.29	0.45	0.65	0.89

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 5 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1K	2K	4K	8K
All	- 750	52	45	43	48	58	61	57	41
	- 500	53	42	41	48	55	52	42	30
	+ 500	52	40	36	39	46	47	36	30
	+ 750	53	44	39	42	51	56	50	37

GN correction chart at right must be used to correct GN to other face areas. →

Face Area (sq.ft.)	2.5	5	10	20	40	80
dB	-3	0	+3	+6	+9	+12

Cross Section Sizes*

"A" dimension (in.)
7-8
14-16
27-32
41-49
54-65
68-240

"B" dimension
ANY SIZE

Approx. weight
5.6 lbs/cu.ft.

See [Rectangular Silencer Cross-Section Dimensions](#) to ensure selection matches ductwork dimensions.

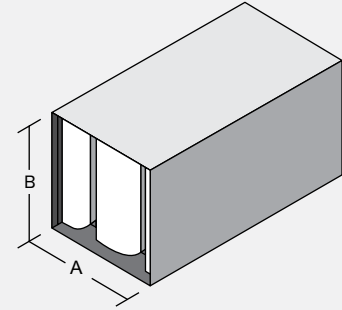
RNM-LV-F9

Rectangular No-Media
Low velocity silencer
(<750 fpm)

How to Specify Example:

21 X 21 RNM-LV-F9 X 60

↑ Duct Width ↑ Duct Height ↑ Silencer Model ↑ Silencer Length



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)

See [Silencer Selection Instructions](#). DIL above 50dB may be limited due to noise flanking around the silencer or along the duct walls. If more than 50dB DIL is required, contact your local Vibro-Acoustics Representative or call **1-800-565-8401**.

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	- 750	6	7	11	16	23	13	10	9
	0	5	5	8	14	19	12	10	10
	+ 750	5	5	10	15	23	13	11	10
60	- 750	5	9	14	17	26	14	10	9
	0	2	5	9	15	23	13	11	11
	+ 750	4	7	12	17	26	14	12	11
84	- 750	10	10	15	18	27	16	12	10
	0	7	6	9	15	24	15	11	10
	+ 750	8	8	13	17	26	16	13	12
108	- 750	7	10	15	18	28	19	13	11
	0	7	6	10	15	26	18	13	12
	+ 750	7	8	13	18	28	20	14	13

Pressure Drop (PD)

Pressure drops are reported in accordance with ASTM E477 methods and are based upon **ideal** flow conditions (5 diameters of straight duct on silencer inlet and 10 on outlet). Less than ideal conditions will result in an increase in pressure drop due to System Effects. See [Silencer System Effects Data](#).

Length (in.)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
	250	500	750	1000	1250	1500	1750
36	0.02	0.09	0.20	0.36	0.55	0.80	1.09
60	0.02	0.07	0.15	0.27	0.41	0.60	0.81
84	0.02	0.07	0.15	0.27	0.42	0.61	0.83
108	0.02	0.08	0.18	0.32	0.50	0.72	0.98

Acceptable (0 - 0.35") Caution (>0.35") Pressure Drop may be too high for certain applications

Generated Noise (GN)

@ 5 sq.ft. face area

Length (in.)	Face Velocity (ft. per min)	Octave Band - Hz/Generated Noise (dB re 10 ⁻¹² watts)							
		63	125	250	500	1K	2K	4K	8K
All	- 750	53	47	45	50	58	62	56	43
	- 500	47	41	40	46	56	55	44	31
	+ 500	52	40	38	42	47	51	41	31
	+ 750	51	46	44	46	51	59	54	45

GN correction chart at right must be used to correct GN to other face areas. →

Face Area (sq.ft.)	2.5	5	10	20	40	80
dB	-3	0	+3	+6	+9	+12

Cross Section Sizes*

"A" dimension (in.)
6
10-13
20-26
30-240

"B" dimension
ANY SIZE

Approx. weight
6.3 lbs/cu.ft.

See [Rectangular Silencer Cross-Section Dimensions](#) to ensure selection matches ductwork dimensions.