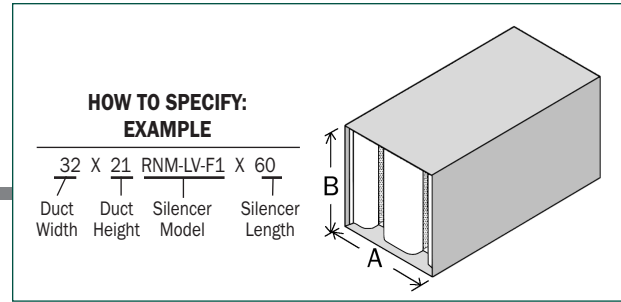


### CERTIFIED PERFORMANCE DATA



### Insertion Loss (IL)

LENGTH (inches)	FACE VELOCITY (feet per minute)	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

+ : "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 pages 4.1 - 4.25 for selection information.

### Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / 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

CROSS-SECTION SIZES*
<b>"A" dimension (inches):</b>
15-16
29-32
58-64
87-96
116-128
145-160
174-192
203-224
232-240
<b>"B" dimension:</b>
ANY SIZE
<b>Approx. weight</b>
4.2 lbs/cu.ft.

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 on page 4.19.

### Generated Noise (GN) @ 5 sq.ft. face area

LENGTH (inches)	FACE VELOCITY (feet per minute)	OCTAVE BAND - Hz/GENERATED NOISE (dB re 10 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
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.

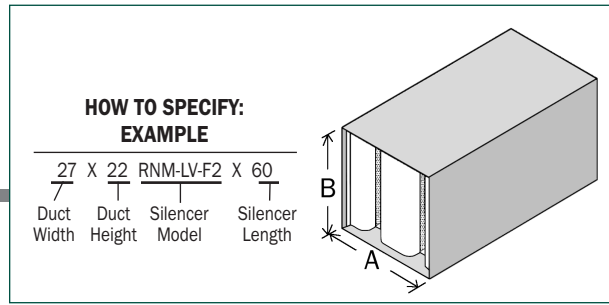


FACE AREA (sq.ft.)	2.5	5	10	20	40	80
dB	-3	0	+3	+6	+9	+12

\* To ensure a silencer selection that matches the duct-work dimensions, see page 4.25 or 5.95.

Patents U.S. 4,287,962;CAN. 1,137,877; CAN. 1,160,959

**CERTIFIED PERFORMANCE DATA**



**Insertion Loss (IL)**

LENGTH (inches)	FACE VELOCITY (feet per minute)	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

+ : "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 pages 4.1 - 4.25 for selection information.

**Pressure Drop (PD)**

LENGTH (inches)	FACE VELOCITY (feet per minute) / 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

**CROSS-SECTION SIZES\***

"A" dimension (inches):

- 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.

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 on page 4.19.

**Generated Noise (GN) @ 5 sq.ft. face area**

LENGTH (inches)	FACE VELOCITY (feet per minute)	OCTAVE BAND - Hz/GENERATED NOISE (dB re 10 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
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.

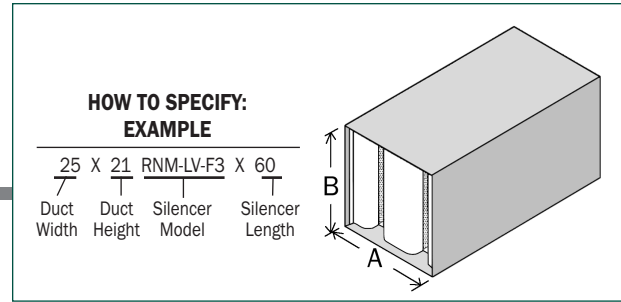


FACE AREA (sq.ft.)	2.5	5	10	20	40	80
dB	-3	0	+3	+6	+9	+12

\* To ensure a silencer selection that matches the duct-work dimensions, see page 4.25 or 5.95.

Patents U.S. 4,287,962; CAN. 1,137,877; CAN. 1,160,959

### CERTIFIED PERFORMANCE DATA



### Insertion Loss (IL)

LENGTH (inches)	FACE VELOCITY (feet per minute)	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

+ : "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 pages 4.1 - 4.25 for selection information.

### Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / 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

CROSS-SECTION SIZES*
<b>"A" dimension (inches):</b>
13
25-26
50-53
75-80
100-107
125-134
150-161
175-188
200-215
225-240
<b>"B" dimension:</b>
ANY SIZE
<b>Approx. weight</b>
4.4 lbs/cu.ft.

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 on page 4.19.

### Generated Noise (GN) @ 5 sq.ft. face area

LENGTH (inches)	FACE VELOCITY (feet per minute)	OCTAVE BAND - Hz/GENERATED NOISE (dB re 10 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
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

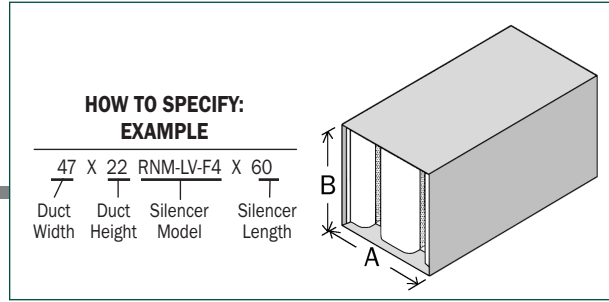
GN correction chart at right must be used to correct GN to other face areas.

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

\* To ensure a silencer selection that matches the ductwork dimensions, see page 4.25 or 5.95.

Patents U.S. 4,287,962; CAN. 1,137,877; CAN. 1,160,959

CERTIFIED PERFORMANCE DATA



Insertion Loss (IL)

LENGTH (inches)	FACE VELOCITY (feet per minute)	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

+ : "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 pages 4.1 - 4.25 for selection information.

Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / 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

CROSS-SECTION SIZES\*

"A" dimension (inches):

- 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.

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 on page 4.19.

Generated Noise (GN) @ 5 sq.ft. face area

LENGTH (inches)	FACE VELOCITY (feet per minute)	OCTAVE BAND - Hz/GENERATED NOISE (dB re 10 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
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.

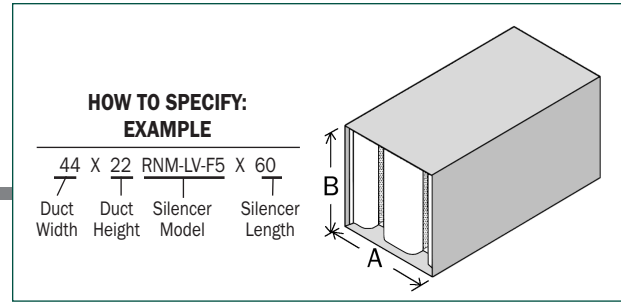


FACE AREA (sq.ft.)	2.5	5	10	20	40	80
dB	-3	0	+3	+6	+9	+12

\* To ensure a silencer selection that matches the duct-work dimensions, see page 4.25 or 5.95.

Patents U.S. 4,287,962; CAN. 1,137,877; CAN. 1,160,959

### CERTIFIED PERFORMANCE DATA



### Insertion Loss (IL)

LENGTH (inches)	FACE VELOCITY (feet per minute)	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

+ : "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 pages 4.1 - 4.25 for selection information.

### Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / 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

#### CROSS-SECTION SIZES\*

"A" dimension (inches):

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.

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 on page 4.19.

### Generated Noise (GN) @ 5 sq.ft. face area

LENGTH (inches)	FACE VELOCITY (feet per minute)	OCTAVE BAND - Hz/GENERATED NOISE (dB re 10 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
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.

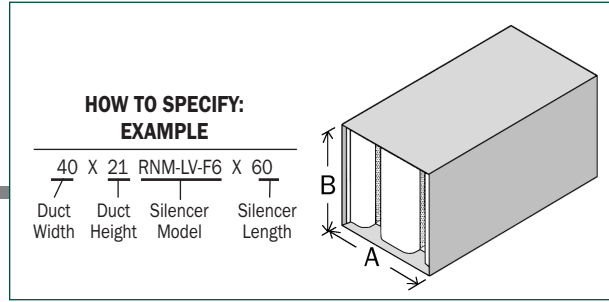


FACE AREA (sq.ft.)	2.5	5	10	20	40	80
dB	-3	0	+3	+6	+9	+12

\* To ensure a silencer selection that matches the ductwork dimensions, see page 4.25 or 5.95.

Patents U.S. 4,287,962; CAN. 1,137,877; CAN. 1,160,959

CERTIFIED PERFORMANCE DATA



Insertion Loss (IL)

LENGTH (inches)	FACE VELOCITY (feet per minute)	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

+ : "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 pages 4.1 - 4.25 for selection information.

Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / 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

CROSS-SECTION SIZES*
<b>"A" dimension (inches):</b>
10
19-20
38-41
57-62
76-83
95-104
114-125
133-146
152-167
171-188
190-240
<b>"B" dimension:</b>
ANY SIZE
<b>Approx. weight</b>
4.9 lbs/cu.ft.

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 on page 4.19.

Generated Noise (GN) @ 5 sq.ft. face area

LENGTH (inches)	FACE VELOCITY (feet per minute)	OCTAVE BAND - Hz/GENERATED NOISE (dB re 10 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
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

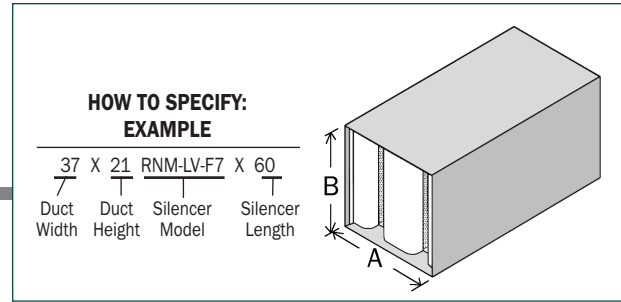
GN correction chart at right must be used to correct GN to other face areas.

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

\* To ensure a silencer selection that matches the duct-work dimensions, see page 4.25 or 5.95.

Patents U.S. 4,287,962; CAN. 1,137,877; CAN. 1,160,959

### CERTIFIED PERFORMANCE DATA



### Insertion Loss (IL)

LENGTH (inches)	FACE VELOCITY (feet per minute)	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	10	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

+ : "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 pages 4.1 - 4.25 for selection information.

### Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / 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

CROSS-SECTION SIZES*
<b>"A" dimension (inches):</b>
9
17-18
33-37
50-56
66-75
83-94
99-113
116-240
<b>"B" dimension:</b>
ANY SIZE
<b>Approx. weight</b>
5.0 lbs/cu.ft.

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 on page 4.19.

### Generated Noise (GN) @ 5 sq.ft. face area

LENGTH (inches)	FACE VELOCITY (feet per minute)	OCTAVE BAND - Hz/GENERATED NOISE (dB re 10 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
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

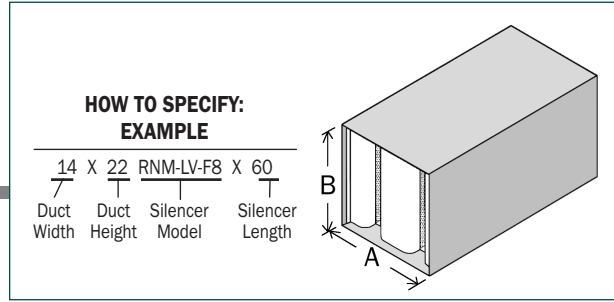
GN correction chart at right must be used to correct GN to other face areas.



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

Patents U.S. 4,287,962; CAN. 1,137,877; CAN. 1,160,959

CERTIFIED PERFORMANCE DATA



Insertion Loss (IL)

LENGTH (inches)	FACE VELOCITY (feet per minute)	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

+ : "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 pages 4.1 - 4.25 for selection information.

Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / 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

CROSS-SECTION SIZES*
<b>"A" dimension (inches):</b> 7-8 14-16 27-32 41-49 54-65 68-240
<b>"B" dimension:</b> ANY SIZE
<b>Approx. weight</b> 5.6 lbs/cu.ft.

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 on page 4.19.

Generated Noise (GN) @ 5 sq.ft. face area

LENGTH (inches)	FACE VELOCITY (feet per minute)	OCTAVE BAND - Hz/GENERATED NOISE (dB re 10 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
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

\* To ensure a silencer selection that matches the duct-work dimensions, see page 4.25 or 5.95.

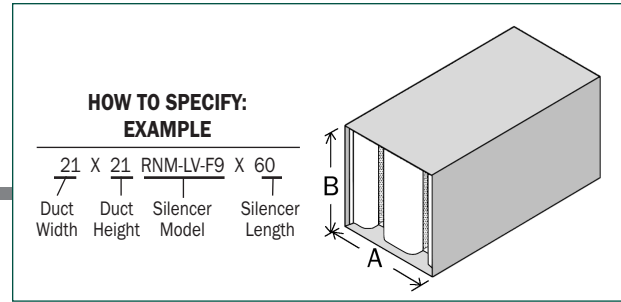
GN correction chart at right must be used to correct GN to other face areas.



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



### CERTIFIED PERFORMANCE DATA



### Insertion Loss (IL)

LENGTH (inches)	FACE VELOCITY (feet per minute)	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

+ : "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 pages 4.1 - 4.25 for selection information.

### Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / 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

CROSS-SECTION SIZES*
<b>"A" dimension (inches):</b>
6
10-13
20-26
30-240
<b>"B" dimension:</b>
ANY SIZE
<b>Approx. weight</b>
6.3 lbs/cu.ft.

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 on page 4.19.

### Generated Noise (GN) @ 5 sq.ft. face area

LENGTH (inches)	FACE VELOCITY (feet per minute)	OCTAVE BAND - Hz/GENERATED NOISE (dB re 10 <sup>-12</sup> watts)							
		63	125	250	500	1000	2000	4000	8000
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

\* To ensure a silencer selection that matches the ductwork dimensions, see page 4.25 or 5.95.

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

Patents U.S. 4,287,962; CAN. 1,137,877; CAN. 1,160,959