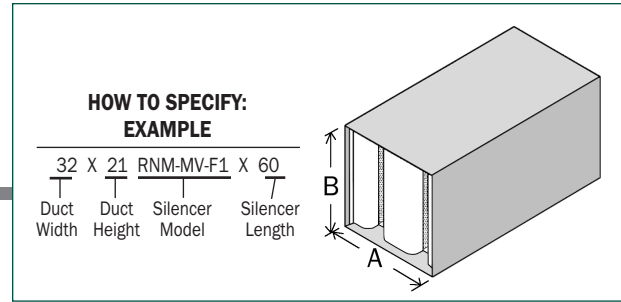


CERTIFIED PERFORMANCE DATA



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	- 1250	3	5	17	16	12	10	9	10
	0	1	4	12	11	9	9	8	8
	+ 1250	3	5	15	15	10	9	8	6
60	- 1250	8	8	20	18	13	12	11	10
	0	4	5	13	13	11	10	9	8
	+ 1250	4	7	18	17	12	11	9	7
84	- 1250	9	10	23	22	15	13	12	11
	0	6	6	15	15	12	11	10	9
	+ 1250	6	8	21	21	14	12	10	9
108	- 1250	11	12	26	26	16	14	13	11
	0	9	7	16	17	14	12	12	10
	+ 1250	8	10	23	25	16	13	12	10

+ : "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 4.2 - 4.25 for selection information.

Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / Pressure Drop (in.w.g.)						
	500	750	1000	1250	1500	1750	2000
36	0.04	0.08	0.15	0.24	0.34	0.46	0.60
60	0.04	0.08	0.15	0.23	0.33	0.45	0.58
84	0.04	0.09	0.15	0.24	0.35	0.47	0.62
108	0.04	0.09	0.16	0.25	0.36	0.50	0.65

☐ : Acceptable (0 - 0.35")

▒ : Caution (>0.35") Pressure Drop may be too high for certain applications

CROSS-SECTION SIZES*
"A" dimension (inches):
15-16
29-32
58-64
87-96
116-128
145-160
174-192
203-224
232-240
"B" dimension:
ANY SIZE
Approx. weight
4.1 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 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
ALL	- 1250	55	53	51	50	55	61	57	45
	- 750	50	43	43	46	50	52	42	30
	+ 750	47	41	38	40	50	49	42	31
	+ 1250	56	54	47	45	55	59	58	48

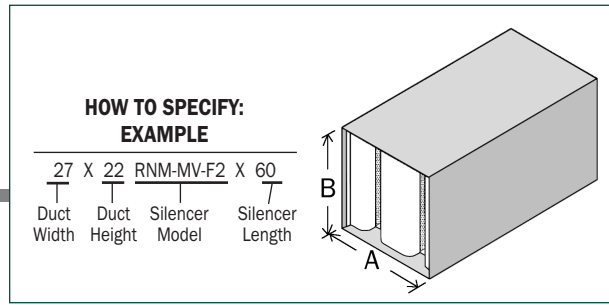
GN correction chart at right must be used to correct GN to other face areas.

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	- 1250	4	5	16	16	11	10	9	9
	0	3	4	11	12	9	9	8	8
	+ 1250	4	5	14	15	10	9	8	7
60	- 1250	9	8	19	18	13	12	10	9
	0	6	5	12	14	10	10	9	8
	+ 1250	6	7	17	18	12	11	9	8
84	- 1250	10	10	21	21	14	13	11	10
	0	7	6	13	16	12	11	10	9
	+ 1250	8	8	19	21	14	12	11	9
108	- 1250	12	12	23	24	15	14	12	10
	0	9	8	15	18	13	12	11	10
	+ 1250	8	10	21	24	15	13	12	10

+ : "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 4.2 - 4.25 for selection information.

Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / Pressure Drop (in.w.g.)						
	500	750	1000	1250	1500	1750	2000
36	0.04	0.08	0.15	0.23	0.33	0.45	0.58
60	0.04	0.08	0.14	0.22	0.32	0.43	0.56
84	0.04	0.09	0.16	0.24	0.35	0.48	0.62
108	0.04	0.09	0.16	0.25	0.36	0.48	0.63

☐ : 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 4.0 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 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
ALL	- 1250	55	53	51	50	56	62	58	46
	- 750	49	43	43	46	51	53	43	31
	+ 750	47	41	39	41	50	50	42	32
	+ 1250	56	54	47	46	55	59	58	49

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

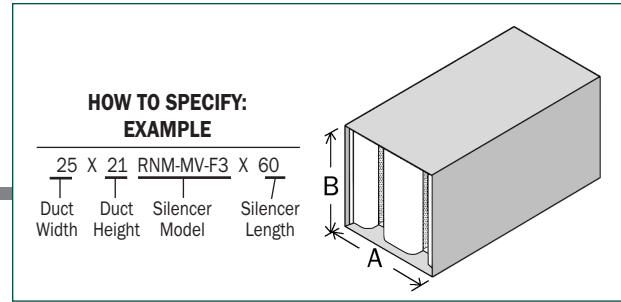
GN correction chart at right must be used to correct GN to other face areas.



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

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	- 1250	6	6	14	16	11	10	8	8
	0	4	4	10	13	9	9	8	8
	+ 1250	5	5	12	16	10	10	8	7
60	- 1250	11	8	17	18	12	11	9	8
	0	7	5	11	15	10	10	9	7
	+ 1250	7	7	15	18	12	11	9	8
84	- 1250	11	10	18	21	13	12	10	9
	0	7	6	12	16	11	11	10	8
	+ 1250	9	9	17	21	13	13	11	9
108	- 1250	12	12	21	23	15	13	11	10
	0	9	8	13	18	13	12	11	10
	+ 1250	9	11	19	22	15	14	12	10

+ : "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 4.2 - 4.25 for selection information.

Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / Pressure Drop (in.w.g.)						
	500	750	1000	1250	1500	1750	2000
36	0.04	0.08	0.14	0.22	0.32	0.43	0.56
60	0.03	0.08	0.14	0.21	0.30	0.41	0.54
84	0.04	0.09	0.16	0.25	0.36	0.48	0.63
108	0.04	0.09	0.15	0.24	0.35	0.47	0.62

 : Acceptable (0 - 0.35")

 : Caution (>0.35") Pressure Drop may be too high for certain applications

CROSS-SECTION SIZES*

"A" dimension (inches):

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

4.2 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 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
ALL	- 1250	55	53	51	50	57	62	58	47
	- 750	49	43	43	47	52	53	44	31
	+ 750	47	41	39	42	50	50	43	32
	+ 1250	56	53	47	46	55	60	58	49

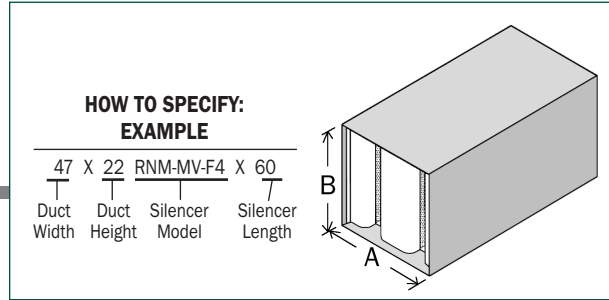
GN correction chart at right must be used to correct GN to other face areas.



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	- 1250	8	6	13	16	10	9	7	7
	0	6	4	9	14	8	9	8	8
	+ 1250	6	5	11	16	10	10	8	7
60	- 1250	13	9	16	19	12	11	9	7
	0	9	5	11	16	10	10	9	7
	+ 1250	8	7	14	18	12	12	9	8
84	- 1250	12	11	16	20	13	12	9	8
	0	7	7	10	17	11	11	10	8
	+ 1250	10	9	15	20	13	13	11	10
108	- 1250	13	12	18	21	14	13	10	9
	0	9	8	11	18	12	12	10	10
	+ 1250	9	11	17	21	14	14	12	11

+ : "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 4.2 - 4.25 for selection information.

Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / Pressure Drop (in.w.g.)						
	500	750	1000	1250	1500	1750	2000
36	0.03	0.08	0.14	0.21	0.30	0.41	0.54
60	0.03	0.07	0.13	0.20	0.29	0.40	0.52
84	0.04	0.09	0.16	0.25	0.36	0.49	0.64
108	0.04	0.08	0.15	0.23	0.34	0.46	0.60

☐ : 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

4.3 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 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
ALL	- 1250	55	52	50	51	57	63	59	47
	- 750	49	43	43	47	53	54	44	31
	+ 750	47	41	39	42	50	50	43	32
	+ 1250	56	53	47	47	55	60	59	50

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

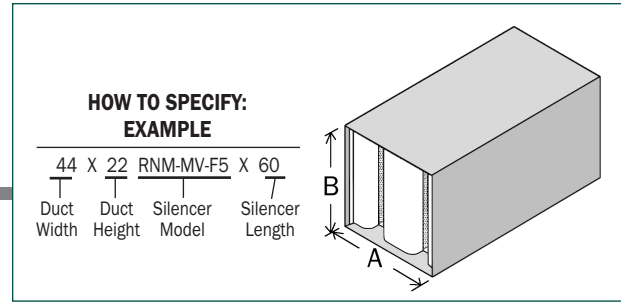


FACE AREA (sq.ft.)	2.5	5	10	20	40	80
dB	-3	0	+3	+6	+9	+12

* 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	- 1250	7	6	12	16	12	10	8	7
	0	6	4	9	14	10	9	8	8
	+ 1250	6	5	11	16	12	10	8	8
60	- 1250	12	9	15	18	14	12	9	7
	0	8	5	10	15	12	11	9	8
	+ 1250	7	7	13	18	14	12	10	9
84	- 1250	12	10	16	19	15	12	9	8
	0	7	6	9	16	13	12	10	8
	+ 1250	10	8	14	19	15	14	11	10
108	- 1250	13	11	18	20	16	14	10	9
	0	9	7	11	17	14	13	11	10
	+ 1250	9	10	16	20	16	15	12	11

+ : "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 4.2 - 4.25 for selection information.

Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / Pressure Drop (in.w.g.)						
	500	750	1000	1250	1500	1750	2000
36	0.03	0.08	0.14	0.21	0.31	0.42	0.55
60	0.03	0.07	0.13	0.21	0.30	0.40	0.53
84	0.04	0.09	0.16	0.24	0.35	0.47	0.62
108	0.04	0.09	0.15	0.24	0.34	0.46	0.61

☐ : 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
4.5 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 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
ALL	- 1250	55	52	50	51	58	63	60	48
	- 750	48	43	43	48	54	54	45	31
	+ 750	47	41	39	43	51	50	43	32
	+ 1250	56	53	47	47	55	60	59	50

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

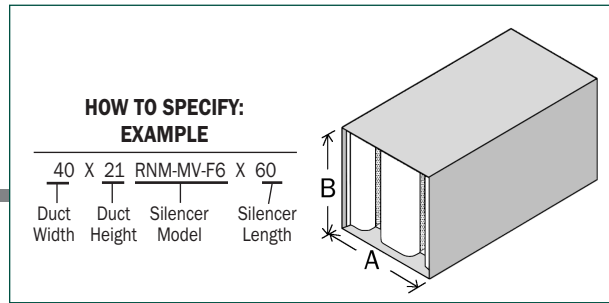


FACE AREA (sq.ft.)	2.5	5	10	20	40	80
dB	-3	0	+3	+6	+9	+12

* 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	- 1250	7	6	12	16	14	10	8	7
	0	5	4	8	14	12	10	8	8
	+ 1250	6	5	10	15	14	11	9	8
60	- 1250	11	9	15	18	16	12	9	8
	0	7	5	10	15	14	11	9	8
	+ 1250	7	7	13	17	16	12	10	9
84	- 1250	11	9	15	19	16	13	9	8
	0	7	6	9	16	15	12	10	9
	+ 1250	10	8	13	19	17	14	11	10
108	- 1250	13	11	17	20	18	15	11	9
	0	9	7	10	16	15	14	11	10
	+ 1250	9	10	15	19	18	16	12	11

+ : "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 4.2 - 4.25 for selection information.

Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / Pressure Drop (in.w.g.)						
	500	750	1000	1250	1500	1750	2000
36	0.03	0.08	0.14	0.22	0.31	0.42	0.55
60	0.03	0.08	0.13	0.21	0.30	0.41	0.53
84	0.04	0.08	0.15	0.23	0.34	0.46	0.60
108	0.04	0.09	0.15	0.24	0.35	0.47	0.61

☐ : Acceptable (0 - 0.35")

▨ : Caution (>0.35") Pressure Drop may be too high for certain applications

CROSS-SECTION SIZES*

"A" dimension (inches):

- 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

4.7 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 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
ALL	- 1250	55	52	50	51	59	63	60	49
	- 750	48	43	43	48	55	54	45	31
	+ 750	47	41	39	44	51	51	43	32
	+ 1250	57	53	47	47	55	60	59	50

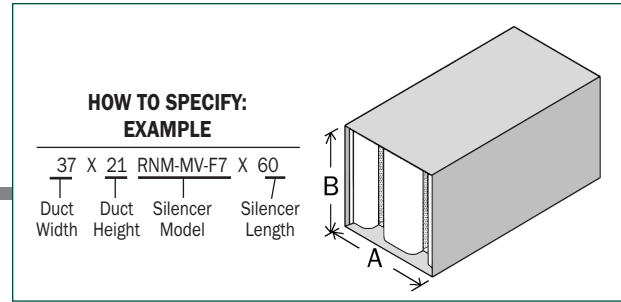
GN correction chart at right must be used to correct GN to other face areas.



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	- 1250	7	6	12	16	16	11	8	7
	0	5	4	8	13	13	10	8	8
	+ 1250	5	4	10	15	16	11	9	8
60	- 1250	10	8	14	18	18	12	9	8
	0	6	5	9	15	16	11	9	8
	+ 1250	6	7	12	17	18	13	10	9
84	- 1250	11	9	14	18	18	13	9	8
	0	7	5	8	15	17	13	10	9
	+ 1250	9	7	13	18	18	14	11	10
108	- 1250	13	10	16	19	19	15	11	9
	0	9	6	9	15	17	15	11	10
	+ 1250	9	9	14	18	19	17	13	11

+ : "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 4.2 - 4.25 for selection information.

Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / Pressure Drop (in.w.g.)						
	500	750	1000	1250	1500	1750	2000
36	0.04	0.08	0.14	0.22	0.32	0.43	0.56
60	0.03	0.08	0.14	0.21	0.30	0.41	0.54
84	0.04	0.08	0.15	0.23	0.33	0.44	0.58
108	0.04	0.09	0.16	0.24	0.35	0.47	0.62

☐ : Acceptable (0 - 0.35")

▒ : Caution (>0.35") Pressure Drop may be too high for certain applications

CROSS-SECTION SIZES*
"A" dimension (inches):
9
17-18
33-37
50-56
66-75
83-94
99-113
116-240
"B" dimension:
ANY SIZE
Approx. weight
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 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
ALL	- 1250	55	51	49	52	59	64	61	50
	- 750	48	43	43	49	56	55	46	32
	+ 750	47	41	39	44	51	51	44	32
	+ 1250	57	52	47	48	55	61	59	51

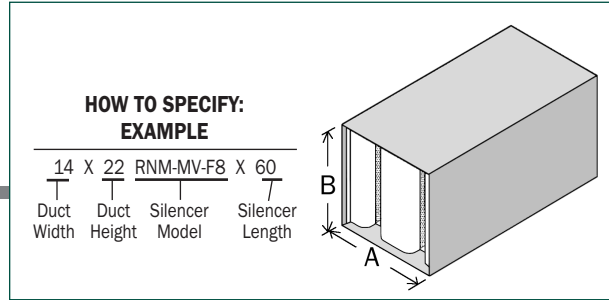
GN correction chart at right must be used to correct GN to other face areas.

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	- 1250	5	6	12	22	17	10	10	10
	0	2	3	8	19	10	8	10	9
	+ 1250	2	5	10	21	16	9	10	8
60	- 1250	7	9	14	24	19	12	12	11
	0	2	5	9	20	14	11	11	10
	+ 1250	1	7	12	22	19	11	11	9
84	- 1250	9	10	14	25	23	14	13	12
	0	4	6	9	21	17	12	11	10
	+ 1250	4	8	12	23	22	13	12	10
108	- 1250	10	10	15	25	26	16	14	12
	0	6	6	9	21	20	13	12	11
	+ 1250	7	8	13	24	25	15	13	11

+ : "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 4.2 - 4.25 for selection information.

Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / Pressure Drop (in.w.g.)						
	500	750	1000	1250	1500	1750	2000
36	0.04	0.08	0.15	0.24	0.34	0.46	0.60
60	0.04	0.08	0.15	0.23	0.33	0.45	0.58
84	0.04	0.08	0.15	0.24	0.34	0.46	0.60
108	0.04	0.09	0.16	0.24	0.35	0.47	0.62

☐ : Acceptable (0 - 0.35")

▨ : Caution (>0.35") Pressure Drop may be too high for certain applications

CROSS-SECTION SIZES*
"A" dimension (inches):
7-8
14-16
27-32
41-49
54-65
68-240
"B" dimension:
ANY SIZE
Approx. weight
5.5 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 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
ALL	- 1250	55	51	49	52	59	64	61	50
	- 750	48	43	43	49	56	55	46	32
	+ 750	47	41	39	44	51	51	44	32
	+ 1250	57	52	47	48	55	61	59	51

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

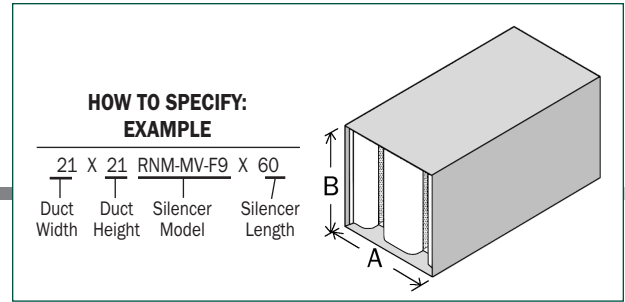
GN correction chart at right must be used to correct GN to other face areas.



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

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	- 1250	6	6	11	15	22	12	8	7
	0	4	3	7	12	18	10	9	8
	+ 1250	4	4	9	14	21	12	10	9
60	- 1250	7	8	13	17	24	14	10	8
	0	4	5	8	14	22	13	10	9
	+ 1250	4	6	11	16	24	14	11	10
84	- 1250	10	7	12	16	24	15	9	8
	0	7	3	7	13	23	14	10	10
	+ 1250	8	5	10	15	24	15	11	11
108	- 1250	13	9	14	17	24	18	12	10
	0	8	5	8	13	23	18	12	11
	+ 1250	10	7	11	16	24	20	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 4.2 - 4.25 for selection information.

Pressure Drop (PD)

LENGTH (inches)	FACE VELOCITY (feet per minute) / Pressure Drop (in.w.g.)						
	500	750	1000	1250	1500	1750	2000
36	0.04	0.08	0.15	0.23	0.33	0.44	0.58
60	0.04	0.08	0.14	0.22	0.32	0.43	0.56
84	0.03	0.07	0.13	0.20	0.29	0.40	0.52
108	0.04	0.09	0.16	0.25	0.36	0.49	0.64

 : Acceptable (0 - 0.35")

 : Caution (>0.35")
Pressure Drop may be too high for certain applications

CROSS-SECTION SIZES*

"A" dimension (inches):
6
10-13
20-26
30-240

"B" dimension:
ANY SIZE

Approx. weight
6.2 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 ⁻¹² watts)							
		63	125	250	500	1000	2000	4000	8000
ALL	- 1250	55	51	48	52	62	65	63	52
	- 750	47	42	43	50	58	56	47	32
	+ 750	47	41	39	46	51	52	45	32
	+ 1250	57	52	47	49	55	61	60	52

* 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