

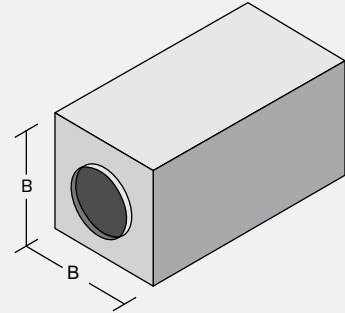
8 CNM-LV-F1

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

How to Specify Example:

8 X CNM-LV-F1 X 72

↑ Duct Connection Size ↑ 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	- 500	9	18	36	13	13	18	17	14
	0	11	15	34	8	10	18	18	15
	+ 500	11	18	37	12	13	20	19	15
48	- 500	10	18	36	15	14	22	21	16
	0	13	15	33	10	11	22	22	17
	+ 500	12	19	38	14	15	24	24	17
60	- 500	11	19	37	18	16	26	26	19
	0	13	14	33	12	11	26	27	19
	+ 500	13	20	39	17	16	28	29	20
72	- 500	12	20	38	20	18	30	31	22
	0	13	14	32	14	12	30	31	21
	+ 500	15	21	40	19	18	32	34	22

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](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				250	500	750	1000	1250	1500	1750
8	30x30	36	107	0.03	0.11	0.25	0.44	0.69	0.99	1.35
		48	139	0.03	0.13	0.29	0.52	0.81	1.16	1.59
		60	60	0.04	0.15	0.33	0.59	0.93	1.34	1.82
		72	108	0.04	0.17	0.38	0.67	1.05	1.51	2.05

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

Generated Noise (GN)

@ 0.35 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	1000	2000	4000	8000
All	- 750	55	46	46	42	45	47	44	30
	- 500	54	43	43	38	43	44	38	21
	+ 500	50	43	38	36	42	44	35	20
	+ 750	53	48	44	40	44	47	41	26

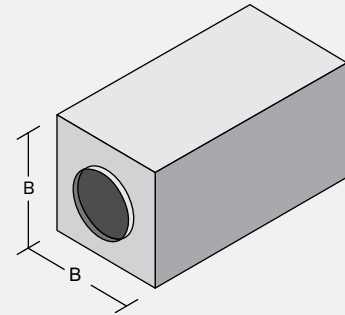
8 CNM-LV-F2

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

How to Specify Example:

8 X CNM-LV-F2 X 72

↑ Duct Connection Size ↑ 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	- 500	9	14	22	23	16	20	16	15
	0	9	12	20	18	13	20	17	17
	+ 500	10	15	25	24	18	23	19	17
48	- 500	9	14	23	26	20	24	21	17
	0	9	12	21	22	16	24	22	19
	+ 500	10	16	26	27	22	26	24	19
60	- 500	9	15	24	30	23	28	27	20
	0	10	12	21	26	20	28	28	20
	+ 500	11	16	27	30	25	30	29	21
72	- 500	10	16	26	33	27	32	32	23
	0	10	12	22	30	23	32	33	22
	+ 500	11	17	28	34	29	34	35	23

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](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				250	500	750	1000	1250	1500	1750
8	20x20	36	69	0.03	0.11	0.24	0.43	0.67	0.97	1.32
		48	90	0.03	0.13	0.30	0.53	0.82	1.19	1.61
		60	113	0.04	0.16	0.35	0.62	0.97	1.40	1.91
		72	135	0.05	0.18	0.41	0.72	1.13	1.62	2.21

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

Generated Noise (GN)

@ 0.35 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	1000	2000	4000	8000
All	- 750	55	46	46	44	46	50	49	34
	- 500	55	43	43	44	44	48	45	26
	+ 500	49	41	36	34	42	47	38	24
	+ 750	51	45	41	38	44	49	43	31

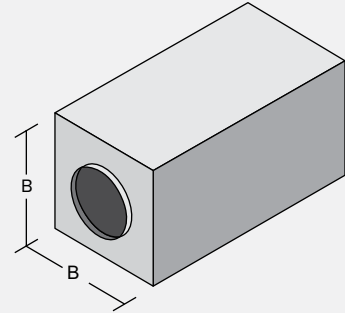
10 CNM-LV-F1

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

How to Specify Example:

10 X CNM-LV-F1 X 72

↑ Duct Connection Size ↑ 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	- 500	12	16	31	14	13	17	16	15
	0	12	13	28	9	10	17	18	17
	+ 500	13	16	32	13	14	19	19	17
48	- 500	13	18	35	17	15	20	18	15
	0	12	13	30	12	12	21	22	19
	+ 500	14	17	35	17	16	24	24	19
60	- 500	14	19	37	21	20	27	25	19
	0	12	14	31	15	14	26	27	22
	+ 500	15	18	37	20	19	29	28	22
72	- 500	15	20	40	25	23	32	30	22
	0	13	14	33	18	16	31	31	24
	+ 500	16	20	40	24	22	33	33	25

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](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				250	500	750	1000	1250	1500	1750
10	30x30	36	111	0.03	0.13	0.29	0.51	0.80	1.15	1.56
		48	144	0.04	0.15	0.34	0.60	0.94	1.36	1.85
		60	180	0.04	0.17	0.39	0.70	1.09	1.57	2.13
		72	213	0.05	0.20	0.44	0.79	1.23	1.78	2.42

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

Generated Noise (GN)

@ 0.55 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	1000	2000	4000	8000
All	- 750	55	49	47	43	45	50	50	38
	- 500	54	46	44	40	43	48	45	30
	+ 500	51	48	41	37	43	47	41	24
	+ 750	54	52	46	41	45	50	46	32

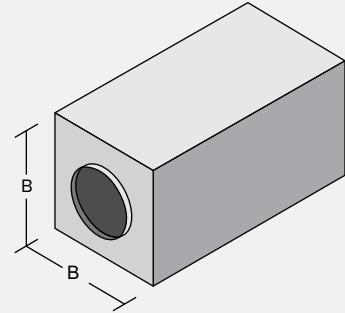
10 CNM-LV-F2

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

How to Specify Example:

10 X CNM-LV-F2 X 72

↑ Duct Connection Size ↑ 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	- 500	10	11	17	22	16	18	15	14
	0	8	9	15	19	12	17	16	16
	+ 500	11	12	19	23	17	19	17	17
48	- 500	11	12	19	26	20	22	19	17
	0	9	10	16	23	16	21	20	18
	+ 500	12	13	21	27	22	23	22	19
60	- 500	12	14	21	30	25	26	24	20
	0	10	11	17	27	21	25	25	20
	+ 500	13	14	22	30	26	28	26	21
72	- 500	13	15	22	34	29	30	28	22
	0	10	11	18	32	25	29	29	22
	+ 500	14	16	24	34	30	32	31	23

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](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				250	500	750	1000	1250	1500	1750
10	20x20	36	74	0.03	0.12	0.26	0.47	0.73	1.05	1.42
		48	97	0.03	0.14	0.31	0.55	0.86	1.24	1.68
		60	121	0.04	0.16	0.36	0.64	0.99	1.43	1.94
		72	143	0.05	0.18	0.41	0.72	1.13	1.62	2.21

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

Generated Noise (GN)

@ 0.55 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	1000	2000	4000	8000
All	- 750	54	50	47	45	48	52	54	42
	- 500	53	47	45	42	46	51	51	36
	+ 500	52	46	40	35	44	48	41	26
	+ 750	54	50	45	39	43	50	46	33

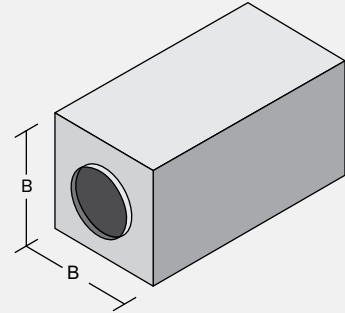
12 CNM-LV-F1

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

How to Specify Example:

12 X CNM-LV-F1 X 72

↑ Duct Connection Size ↑ 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	- 500	13	14	27	14	13	17	16	16
	0	10	11	22	10	11	16	17	18
	+ 500	12	13	26	14	14	18	18	19
48	- 500	16	18	33	18	16	18	15	14
	0	11	12	26	14	14	21	22	21
	+ 500	14	15	31	19	18	24	23	22
60	- 500	16	18	37	25	23	29	25	20
	0	12	13	30	18	16	26	27	24
	+ 500	16	17	36	24	22	29	28	25
72	- 500	18	20	42	31	28	35	29	22
	0	13	14	35	21	19	32	31	27
	+ 500	17	19	41	29	26	35	33	27

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](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				250	500	750	1000	1250	1500	1750
12	30x30	36	116	0.04	0.15	0.33	0.58	0.91	1.31	1.78
		48	151	0.04	0.17	0.39	0.69	1.08	1.55	2.11
		60	187	0.05	0.20	0.45	0.80	1.25	1.80	2.45
		72	222	0.06	0.23	0.51	0.91	1.42	2.05	2.79

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

Generated Noise (GN)

@ 0.79 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	1000	2000	4000	8000
All	- 750	54	52	49	45	46	53	55	45
	- 500	53	50	45	41	44	52	52	39
	+ 500	52	52	44	38	45	50	47	32
	+ 750	55	56	49	41	46	52	50	38

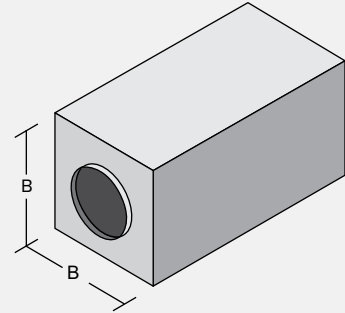
12 CNM-LV-F2

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

How to Specify Example:

12 X CNM-LV-F2 X 72

↑ Duct Connection Size ↑ 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	- 500	8	9	13	22	16	15	14	14
	0	6	6	10	20	11	14	15	16
	+ 500	8	8	13	22	16	16	16	17
48	- 500	10	11	15	26	21	19	18	17
	0	7	8	11	25	16	18	18	18
	+ 500	9	11	15	26	22	21	20	19
60	- 500	11	13	17	30	26	23	21	19
	0	8	9	12	26	22	22	22	20
	+ 500	11	13	17	31	27	25	23	22
72	- 500	13	14	19	34	31	28	24	22
	0	10	11	13	33	27	27	25	23
	+ 500	13	15	20	35	32	30	27	24

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](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				250	500	750	1000	1250	1500	1750
12	20x20	36	78	0.03	0.13	0.28	0.50	0.78	1.13	1.53
		48	103	0.04	0.14	0.32	0.57	0.90	1.29	1.76
		60	128	0.04	0.16	0.36	0.65	1.01	1.46	1.98
		72	153	0.05	0.18	0.41	0.72	1.13	1.62	2.21

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

Generated Noise (GN)

@ 0.79 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	1000	2000	4000	8000
All	- 750	53	54	49	46	49	55	59	51
	- 500	51	52	47	44	49	54	58	46
	+ 500	54	52	45	36	46	49	44	27
	+ 750	56	55	49	41	47	51	47	34

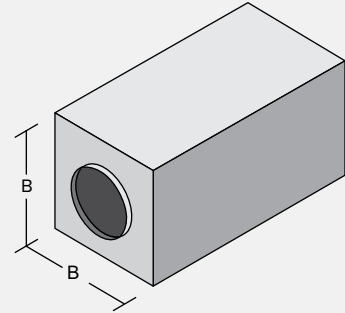
14 CNM-LV-F1

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

How to Specify Example:

14 X CNM-LV-F1 X 72

↑ Duct Connection Size ↑ 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	- 500	11	12	26	11	12	15	13	11
	0	9	10	22	9	12	15	14	14
	+ 500	10	11	25	11	13	17	15	14
48	- 500	13	14	31	15	17	19	16	13
	0	10	11	25	12	15	20	19	17
	+ 500	12	14	30	16	18	22	20	18
60	- 500	14	16	35	20	23	26	22	18
	0	11	12	28	15	19	26	24	21
	+ 500	14	16	35	21	23	28	25	21
72	- 500	16	18	40	25	28	32	26	21
	0	12	13	31	18	23	31	29	24
	+ 500	16	18	40	25	29	34	30	25

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](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				250	500	750	1000	1250	1500	1750
14	36x36	36	147	0.03	0.11	0.24	0.42	0.66	0.95	1.29
		48	192	0.03	0.13	0.29	0.51	0.79	1.14	1.56
		60	236	0.04	0.15	0.34	0.60	0.93	1.34	1.82
		72	282	0.04	0.17	0.38	0.68	1.07	1.54	2.09

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

Generated Noise (GN)

@ 1.07 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	1000	2000	4000	8000
All	- 750	54	48	42	41	44	48	44	39
	- 500	53	44	36	37	40	41	36	30
	+ 500	54	50	39	36	41	41	33	26
	+ 750	55	54	46	41	45	48	42	35

14 CNM-LV-F2

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

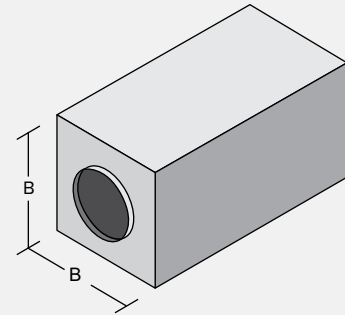
How to Specify Example:

14 X CNM-LV-F2 X 72

↑
Duct
Connection
Size

↑
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	- 500	8	9	13	20	16	14	13	12
	0	6	7	11	18	14	13	14	13
	+ 500	8	9	14	21	17	15	15	14
48	- 500	9	10	14	23	20	17	16	13
	0	7	8	12	21	17	17	17	15
	+ 500	9	10	15	23	20	18	18	16
60	- 500	10	11	15	25	23	20	19	15
	0	8	9	13	24	21	20	20	16
	+ 500	10	11	16	26	24	22	21	18
72	- 500	11	12	16	28	26	23	22	17
	0	9	10	13	26	24	24	24	17
	+ 500	11	12	17	28	27	25	25	19

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](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				250	500	750	1000	1250	1500	1750
14	24x24	36	97	0.03	0.10	0.23	0.40	0.63	0.90	1.23
		48	128	0.03	0.12	0.27	0.48	0.75	1.08	1.47
		60	158	0.04	0.14	0.32	0.56	0.88	1.26	1.72
		72	189	0.04	0.16	0.37	0.65	1.02	1.46	1.99

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

Generated Noise (GN)

@ 1.07 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	1000	2000	4000	8000
All	- 750	53	48	43	42	46	49	46	41
	- 500	52	45	37	38	43	42	39	34
	+ 500	55	49	40	36	42	40	32	24
	+ 750	56	54	46	40	46	47	41	33

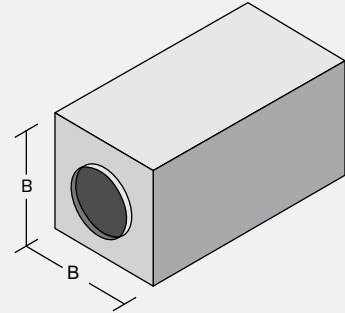
16 CNM-LV-F1

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

How to Specify Example:

16 X CNM-LV-F1 X 72

↑ Duct Connection Size ↑ 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	- 500	7	10	24	9	12	14	10	6
	0	6	8	22	7	12	15	12	10
	+ 500	7	9	23	9	13	15	13	10
48	- 500	10	11	28	13	18	21	17	12
	0	9	10	24	10	17	20	17	13
	+ 500	10	12	29	13	19	21	18	14
60	- 500	12	14	33	16	22	24	19	15
	0	10	11	26	12	22	25	22	17
	+ 500	13	15	34	17	25	27	23	18
72	- 500	14	16	38	19	28	29	24	20
	0	11	12	28	15	27	30	26	21
	+ 500	16	17	40	22	31	33	28	22

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](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				250	500	750	1000	1250	1500	1750
16	36x36	36	153	0.02	0.08	0.19	0.33	0.52	0.74	1.01
		48	200	0.03	0.10	0.23	0.40	0.63	0.90	1.23
		60	245	0.03	0.12	0.27	0.48	0.75	1.08	1.47
		72	292	0.03	0.14	0.31	0.55	0.86	1.24	1.68

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

Generated Noise (GN)

@ 1.40 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	1000	2000	4000	8000
All	- 750	53	39	33	37	42	40	28	26
	- 500	54	32	20	29	33	20	20	20
	+ 500	58	44	31	34	34	22	20	20
	+ 750	57	50	41	39	43	38	26	29

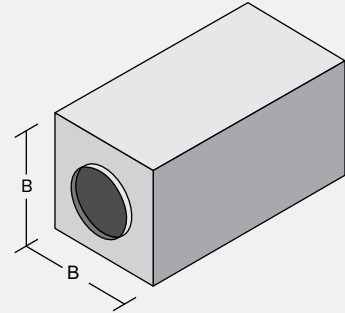
16 CNM-LV-F2

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

How to Specify Example:

16 X CNM-LV-F2 X 72

↑ Duct Connection Size ↑ 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	- 500	5	10	14	19	17	12	12	9
	0	4	7	13	16	16	13	12	11
	+ 500	5	9	14	19	17	13	13	12
48	- 500	6	10	14	20	18	15	15	10
	0	5	8	13	17	18	15	16	11
	+ 500	6	9	14	20	19	16	17	13
60	- 500	8	9	13	21	20	17	18	11
	0	6	8	13	18	20	18	19	11
	+ 500	7	10	14	21	21	18	20	14
72	- 500	8	9	13	21	21	19	21	12
	0	7	8	13	20	22	20	22	11
	+ 500	8	10	13	22	23	21	23	15

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](#).

Duct Connect. Size (in.)	B x B (in.)	Silencer Length (in.)	Weight (lbs)	Face Velocity (ft. per min) / Pressure Drop (in.w.g.)						
				250	500	750	1000	1250	1500	1750
16	24x24	36	103	0.02	0.08	0.17	0.31	0.48	0.70	0.95
		48	135	0.02	0.09	0.21	0.37	0.58	0.83	1.13
		60	167	0.03	0.11	0.24	0.43	0.67	0.97	1.32
		72	200	0.03	0.12	0.28	0.49	0.77	1.10	1.50

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

Generated Noise (GN)

@ 1.40 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	1000	2000	4000	8000
All	- 750	54	38	33	37	42	40	28	27
	- 500	55	31	20	28	31	20	20	20
	+ 500	57	44	30	34	34	22	20	20
	+ 750	56	51	41	40	42	39	27	31