

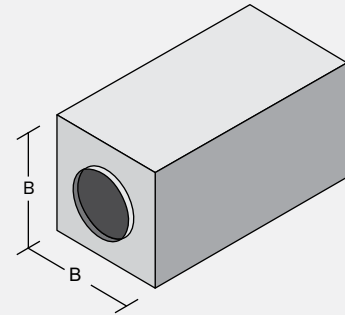
8 CNM-UHV-F1

Circular No-Media
Ultra high velocity silencer
(<3500 fpm)

How to Specify Example:

8 x CNM-UHV-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	- 1500	14	15	40	9	6	7	6	6
	0	12	14	38	9	7	8	7	7
	+ 1500	13	15	38	10	8	8	7	7
48	- 1500	15	19	42	10	7	8	8	7
	0	14	16	41	10	8	9	8	8
	+ 1500	13	18	41	11	9	9	8	8
60	- 1500	14	22	45	11	8	9	9	8
	0	15	18	44	10	9	11	10	9
	+ 1500	13	21	44	12	10	10	10	9
72	- 1500	14	25	47	12	9	10	11	9
	0	15	21	47	11	10	12	12	10
	+ 1500	13	24	46	13	12	12	12	10

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.)						
				2000	2250	2500	2750	3000	3250	3500
8	30x30	36	95	0.08	0.10	0.12	0.15	0.17	0.20	0.24
		48	124	0.08	0.10	0.12	0.15	0.18	0.21	0.24
		60	153	0.08	0.10	0.13	0.15	0.18	0.21	0.25
		72	182	0.08	0.11	0.13	0.16	0.19	0.22	0.25

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	-3000	56	55	51	53	53	56	49	37
	-2000	54	50	44	45	43	38	33	33
	+2000	54	50	46	46	46	44	36	33
	+3000	58	57	51	52	52	54	48	43

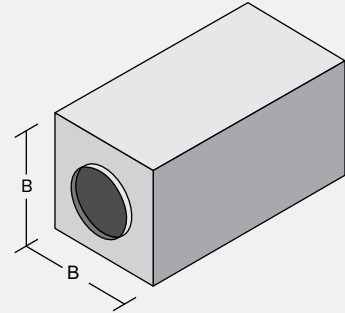
8 CNM-UHV-F2

Circular No-Media
Ultra high velocity silencer
(<3500 fpm)

How to Specify Example:

8 X CNM-UHV-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	-2500	8	9	19	18	7	6	5	5
	0	9	10	18	18	8	7	6	6
	+2500	10	11	17	20	8	7	6	6
48	-2500	10	11	23	20	8	8	7	6
	0	10	11	21	19	9	8	8	7
	+2500	11	12	21	22	9	8	8	7
60	-2500	11	12	27	22	10	9	8	8
	0	11	13	23	21	10	9	9	9
	+2500	12	14	25	25	11	9	9	8
72	-2500	13	14	31	24	11	10	10	9
	0	13	14	26	22	11	10	11	10
	+2500	13	16	29	27	12	10	11	9

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.)						
				2000	2250	2500	2750	3000	3250	3500
8	20x20	36	57	0.08	0.10	0.13	0.15	0.18	0.21	0.25
		48	75	0.08	0.10	0.13	0.15	0.18	0.21	0.25
		60	94	0.08	0.10	0.13	0.15	0.18	0.21	0.25
		72	112	0.08	0.10	0.13	0.15	0.18	0.21	0.25

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	-3000	58	55	51	53	53	56	55	43
	-2000	54	50	44	43	43	38	33	33
	+2000	55	51	47	45	46	44	37	34
	+3000	58	59	52	51	50	54	47	42

10 CNM-UHV-F1

Circular No-Media
Ultra high velocity silencer
(<3500 fpm)

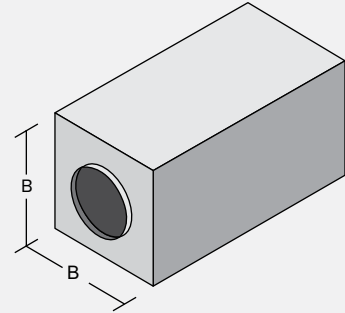
How to Specify Example:

10 x CNM-UHV-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	-2500	11	12	33	8	6	6	5	5
	0	10	11	30	8	6	7	6	6
	+2500	11	12	31	9	6	7	6	5
48	-2500	13	15	36	9	7	7	6	6
	0	12	13	33	9	8	8	7	7
	+2500	12	14	34	10	8	8	7	6
60	-2500	12	17	39	11	9	9	8	7
	0	13	15	37	11	9	10	9	8
	+2500	12	17	37	12	10	10	9	8
72	-2500	12	20	42	13	10	10	9	8
	0	13	16	40	12	11	11	10	9
	+2500	13	19	41	14	12	11	10	9

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.)						
				2000	2250	2500	2750	3000	3250	3500
10	30x30	36	96	0.10	0.12	0.15	0.19	0.22	0.26	0.30
		48	125	0.10	0.13	0.16	0.19	0.22	0.26	0.30
		60	156	0.10	0.13	0.16	0.19	0.23	0.27	0.31
		72	185	0.10	0.13	0.16	0.19	0.23	0.27	0.31

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	-3000	58	58	55	55	55	58	51	38
	-2000	56	52	47	47	45	40	35	34
	+2000	55	54	46	47	46	44	41	37
	+3000	60	61	51	53	52	54	53	47

10 CNM-UHV-F2

Circular No-Media
Ultra high velocity silencer
(<3500 fpm)

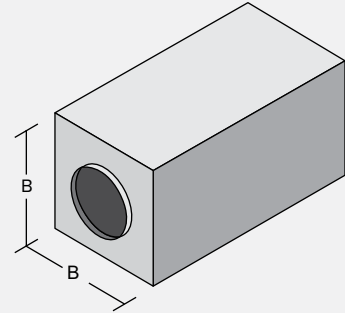
How to Specify Example:

10 x CNM-UHV-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	-2500	7	8	14	19	6	5	4	4
	0	7	8	13	21	7	6	5	5
	+2500	8	8	13	22	7	6	5	4
48	-2500	8	9	17	22	7	6	6	5
	0	8	9	15	23	8	7	6	6
	+2500	9	10	16	25	8	7	6	6
60	-2500	10	11	19	25	8	8	7	6
	0	10	11	17	25	9	8	8	7
	+2500	10	12	18	28	9	8	8	7
72	-2500	11	12	22	29	10	9	9	8
	0	11	12	19	28	10	9	9	8
	+2500	11	13	21	31	11	9	9	8

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.)						
				2000	2250	2500	2750	3000	3250	3500
10	20x20	36	59	0.08	0.10	0.13	0.15	0.18	0.21	0.25
		48	78	0.09	0.11	0.14	0.16	0.20	0.23	0.27
		60	97	0.09	0.12	0.15	0.18	0.21	0.25	0.29
		72	115	0.10	0.13	0.16	0.19	0.23	0.26	0.31

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	-3000	60	59	55	51	53	57	56	45
	-2000	55	53	47	41	43	39	34	35
	+2000	56	55	50	43	46	45	38	36
	+3000	60	62	56	49	50	55	48	44

12 CNM-UHV-F1

Circular No-Media
Ultra high velocity silencer
(<3500 fpm)

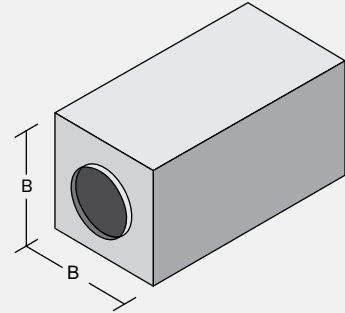
How to Specify Example:

12 x CNM-UHV-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	-2500	9	10	27	7	5	5	4	5
	0	8	9	22	7	6	6	5	5
	+2500	8	9	23	7	5	6	5	3
48	-2500	10	11	30	9	7	7	5	5
	0	9	10	26	9	8	7	6	6
	+2500	10	11	27	10	7	7	6	5
60	-2500	10	13	33	11	9	8	7	6
	0	10	11	29	11	10	9	7	7
	+2500	11	13	31	12	10	9	7	6
72	-2500	11	15	36	13	11	10	8	7
	0	11	12	32	12	12	10	8	7
	+2500	12	14	35	14	12	10	8	7

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.)						
				2000	2250	2500	2750	3000	3250	3500
12	30x30	36	98	0.12	0.15	0.19	0.23	0.27	0.32	0.37
		48	128	0.12	0.15	0.19	0.23	0.27	0.32	0.37
		60	158	0.12	0.15	0.19	0.23	0.27	0.32	0.37
		72	188	0.12	0.15	0.19	0.23	0.27	0.32	0.37

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	-3000	60	60	58	56	56	60	52	38
	-2000	58	55	50	48	46	42	36	34
	+2000	56	59	46	47	46	44	45	40
	+3000	61	66	51	53	52	54	57	50

12 CNM-UHV-F2

Circular No-Media
Ultra high velocity silencer
(<3500 fpm)

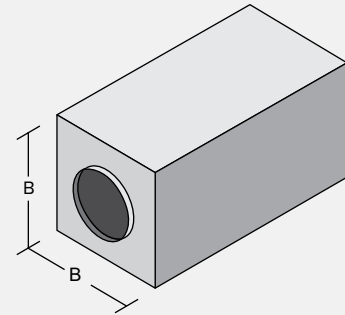
How to Specify Example:

12 x CNM-UHV-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	-2500	4	7	9	21	5	4	3	3
	0	4	6	8	23	6	4	4	4
	+2500	5	6	9	24	6	4	4	3
48	-2500	5	8	10	25	6	5	5	4
	0	6	7	9	27	7	5	5	4
	+2500	6	8	10	28	7	6	5	4
60	-2500	7	9	12	29	7	6	6	5
	0	7	8	10	30	8	7	6	5
	+2500	8	9	12	32	8	7	7	5
72	-2500	8	11	13	33	8	8	8	7
	0	8	10	11	34	9	8	7	6
	+2500	9	10	13	36	10	8	8	7

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.)						
				2000	2250	2500	2750	3000	3250	3500
12	20x20	36	60	0.08	0.10	0.13	0.15	0.18	0.21	0.25
		48	80	0.09	0.12	0.15	0.18	0.21	0.25	0.29
		60	99	0.11	0.14	0.17	0.20	0.24	0.28	0.33
		72	119	0.12	0.15	0.19	0.23	0.27	0.32	0.37

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	-3000	61	62	58	49	53	57	57	46
	-2000	56	57	50	39	43	39	35	36
	+2000	58	59	53	41	46	45	39	37
	+3000	61	66	59	47	50	55	49	45

14 CNM-UHV-F1

Circular No-Media
Ultra high velocity silencer
(<3500 fpm)

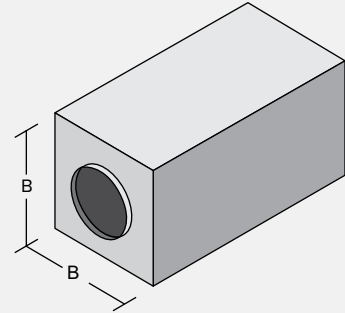
How to Specify Example:

14 x CNM-UHV-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	-2500	9	9	26	6	5	4	3	4
	0	8	8	21	6	6	5	5	5
	+2500	8	9	24	7	6	5	4	4
48	-2500	10	11	28	7	7	6	4	5
	0	9	10	24	7	8	7	6	6
	+2500	9	10	27	8	7	6	5	5
60	-2500	11	12	31	9	8	7	5	5
	0	10	11	27	8	9	8	7	6
	+2500	10	12	30	9	8	8	6	6
72	-2500	12	14	34	10	9	8	6	6
	0	10	12	29	9	10	9	8	7
	+2500	11	14	33	10	10	9	7	7

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.)						
				2000	2250	2500	2750	3000	3250	3500
14	36x36	36	126	0.07	0.08	0.10	0.13	0.15	0.18	0.20
		48	164	0.07	0.08	0.10	0.13	0.15	0.18	0.20
		60	202	0.07	0.08	0.10	0.13	0.15	0.18	0.20
		72	241	0.07	0.08	0.10	0.13	0.15	0.18	0.20

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	-3000	61	66	57	63	63	68	62	46
	-2000	59	60	50	55	53	50	46	42
	+2000	59	63	46	55	52	50	49	45
	+3000	64	70	52	61	58	60	61	55

14 CNM-UHV-F2

Circular No-Media
Ultra high velocity silencer
(<3500 fpm)

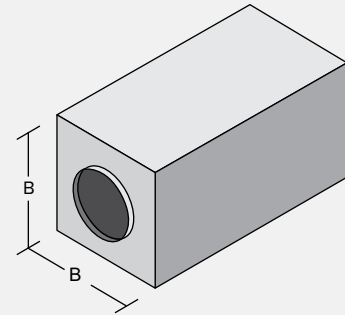
How to Specify Example:

14 x CNM-UHV-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	-2500	5	6	9	19	5	4	3	3
	0	4	5	8	18	6	4	4	4
	+2500	5	5	8	20	6	5	4	4
48	-2500	6	7	10	22	6	5	4	4
	0	5	6	9	21	7	5	5	5
	+2500	6	6	10	22	7	6	5	5
60	-2500	7	8	12	26	7	6	5	5
	0	6	7	10	23	8	7	6	6
	+2500	6	7	11	25	8	6	6	6
72	-2500	8	9	13	29	8	7	5	5
	0	7	8	12	26	9	8	7	7
	+2500	7	8	12	27	9	7	7	7

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.)						
				2000	2250	2500	2750	3000	3250	3500
14	24x24	36	76	0.05	0.07	0.08	0.10	0.12	0.14	0.16
		48	100	0.06	0.07	0.09	0.11	0.13	0.15	0.18
		60	124	0.06	0.08	0.10	0.12	0.14	0.16	0.19
		72	148	0.07	0.08	0.10	0.13	0.15	0.18	0.20

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	-3000	61	66	57	60	62	66	64	50
	-2000	58	61	50	51	52	48	45	43
	+2000	60	63	50	52	52	51	46	44
	+3000	64	70	56	58	57	61	57	53

16 CNM-UHV-F1

Circular No-Media
Ultra high velocity silencer
(<3500 fpm)

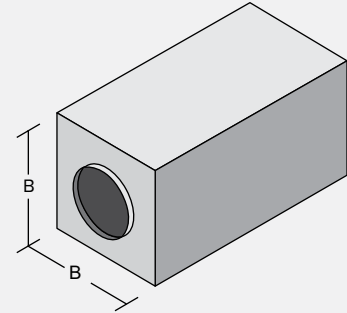
How to Specify Example:

16 X CNM-UHV-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	-2500	8	9	25	5	6	4	2	3
	0	7	8	21	6	7	5	4	4
	+2500	7	8	24	6	7	5	4	5
48	-2500	9	11	27	6	6	4	3	4
	0	8	9	23	6	8	6	5	5
	+2500	8	10	26	6	7	6	5	5
60	-2500	11	12	29	6	7	5	3	4
	0	8	11	25	6	8	7	6	6
	+2500	9	11	29	6	7	6	5	6
72	-2500	12	13	31	7	8	6	4	4
	0	9	12	27	6	8	8	7	7
	+2500	10	13	31	5	7	7	6	7

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.)						
				2000	2250	2500	2750	3000	3250	3500
16	36x36	36	128	0.01	0.02	0.02	0.03	0.03	0.04	0.04
		48	167	0.01	0.02	0.02	0.03	0.03	0.04	0.04
		60	205	0.01	0.02	0.02	0.03	0.03	0.04	0.04
		72	244	0.01	0.02	0.02	0.03	0.03	0.04	0.04

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	-3000	62	76	56	77	77	79	79	61
	-2000	61	71	48	69	67	65	65	57
	+2000	64	71	48	70	64	63	56	56
	+3000	69	78	54	76	70	73	68	66

16 CNM-UHV-F2

Circular No-Media
Ultra high velocity silencer
(<3500 fpm)

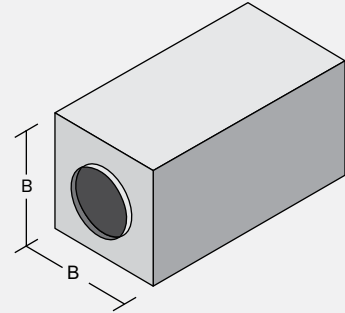
How to Specify Example:

16 x CNM-UHV-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)	16Octave Band - Hz/Dynamic Insertion Loss (dB)							
		63	125	250	500	1000	2000	4000	8000
36	-2500	4	5	10	17	6	3	3	4
	0	3	4	8	12	6	4	4	5
	+2500	4	4	8	15	6	5	4	5
48	-2500	5	5	11	19	6	4	3	4
	0	4	4	9	15	7	5	5	6
	+2500	4	5	9	16	6	6	5	5
60	-2500	6	6	11	22	7	5	3	4
	0	5	5	11	17	8	6	7	7
	+2500	5	5	10	17	7	6	5	6
72	-2500	6	7	12	25	8	5	3	4
	0	5	6	12	19	9	8	8	7
	+2500	5	6	11	19	8	7	6	6

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.)						
				2000	2250	2500	2750	3000	3250	3500
16	24x24	36	78	0.01	0.02	0.02	0.03	0.03	0.04	0.04
		48	102	0.02	0.02	0.03	0.03	0.04	0.05	0.05
		60	127	0.02	0.03	0.03	0.04	0.05	0.06	0.07
		72	152	0.03	0.03	0.04	0.05	0.06	0.07	0.08

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	-3000	62	75	56	79	79	79	79	57
	-2000	62	70	48	74	69	67	66	56
	+2000	64	71	44	73	64	62	59	57
	+3000	69	78	50	79	71	72	72	68