



Noise Control Submittals

Job Name: NESHAMA HOSPICE, 3 CADILLAC AVE, NORTH YORK

Job Location: NORTH YORK

Customer: CONSULT MECHANICAL

Date Printed: 10/30/2024

Spec Section: 15 - HVAC

Contact: 571 Chrislea Rd., Unit 3
Woodbridge, ON L4L 8A2



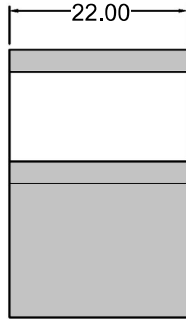
All-In-One
Detailed Submittal Schedule
Noise Control

#	Qty	Model	Tag	Width (in)	Height (in)	Length (in)	In. Leg (in)	Out. Leg (in)	Direction	Flow (CFM)	Vel. (FPM)	PD (in. w.g.)	63	125	250	500	1K	2K	4K	8K	Line Instructions
71	1	ERMT122/2C	SL-15-2A	8.00	22.00	121.92	60.00	69.92	Forward	1428	1168	0.19	13	18	27	39	46	55	48	25	Transitional Elbow Silencer: Inlet dimension: 300x550 Outlet dimension: 250x550
Const Notes: Galvanized, HTL2 (10 GA), 22GA Perf Liner, Fiberglass, Polymer Film, Inlet: 2" Slip, Outlet: 2" Slip																					
72	1	ERMT122/3B	SL-15-2B	18.00	22.00	121.92	60.00	79.92	Forward	4573	1663	0.30	12	16	23	37	44	55	43	24	Transitional Elbow Silencer: Inlet dimension: 450x550 Outlet dimension: 400x1000
Const Notes: Galvanized, HTL2 (10 GA), 22GA Perf Liner, Fiberglass, Polymer Film, Inlet: 2" Slip, Outlet: 2" Slip																					
73	1	ERMT122/6B	SL-1R-1A	12.00	24.00	121.92	73.92	60.00	Reverse	3274	1637	0.21	14	20	25	39	45	48	36	20	Transitional Elbow Silencer: Inlet dimension: 300x600 Outlet dimension: 500x600
Const Notes: Galvanized, HTL2 (10 GA), 22GA Perf Liner, Fiberglass, Polymer Film, Inlet: 2" Slip, Outlet: 2" Slip																					
74	1	ERMT122/6B	SL-1R-1B	12.00	20.00	121.92	73.92	60.00	Reverse	2727	1636	0.21	14	20	25	39	45	48	36	20	Transitional Elbow Silencer: Inlet dimension: 300x500 Outlet dimension: 500x500
Const Notes: Galvanized, HTL2 (10 GA), 22GA Perf Liner, Fiberglass, Polymer Film, Inlet: 2" Slip, Outlet: 2" Slip																					

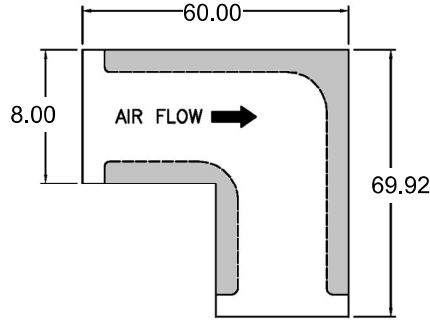
Contractor to confirm all items prior to release.

Dimensions

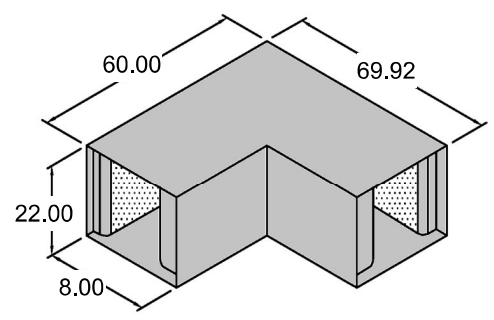
Quantity:	1	Width (in.):	8.00	Center Line (in.):	121.92
Weight (lb):	368	Height (in.):	22.00	Inlet Leg (in.):	60.00
		Configuration:	Un-Nested	Outlet Leg (in.):	69.92



END VIEW



TOP VIEW



ISO VIEW

This silencer is selected a 0.5 module configuration, as per image above.
Images are generic representations of and not to scale. The actual configuration may not be shown.

Performance

Air Volume (cfm):	1428
Air Velocity (fpm):	1168
Air Direction:	Forward
Pressure Drop (in.w.g.):	0.19
Installed PD (in.w.g.):	0.25

Dynamic Insertion Loss (dB)

63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
13	18	27	39	46	55	48	25

Construction

Casing:	Equivalent to 7 GA *	Acoustic Media:	Glass Fiber	Inlet Connection:	2" Slip
Perforated Liner:	22 GA Galvanized	Media Protection:	Polymer Film	Outlet Connection:	2" Slip

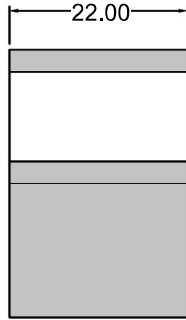
Notes

- Price silencer material has flame spread classification < 25 and smoke development rating < 50 when tested in accordance with ASTM E84, UL723 and NFPA255.
- System effects assume fan at the silencer inlet and ideal at the silencer outlet.
- Price silencers consist of ASTM A653(M) steel casings and liners.
- Price silencers are tested in our NVLAP-Accredited sound lab.
- Performance data is derived from test data in conformance with ASTM-E477-20.
- Acoustic standoff is provided standard with polymer film liner.
- Stitch and caulk construction.
- Customer to confirm all dimensions.
- * Silencer casing selected to be HTL Equivalent to 7 GA duct wall

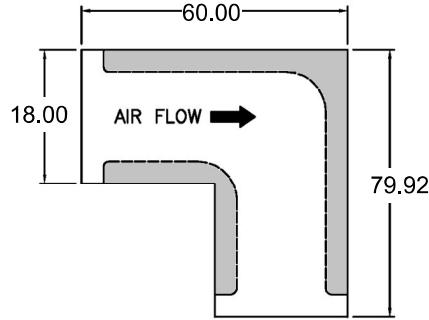
PROJECT: NESHAMA HOSPICE,3 CADILLAC AVE,NORTH YORK**CUSTOMER:** CONSULT MECHANICAL **SUBMITTAL DATE:** 10/30/2024
ENGINEER: **UNIT OF MEASURE:** Imperial **PRICE QUOTE NO:** Q24-008330
DESCRIPTION: Elbow Medium Velocity Film Lined Silencer **DRAWING REVISION:** 5
ERMT/S/I/121.92/2/C/I/8.00/22.00/121.92/8.00/22.00/1/16.00/0.5/60.00/69.92/52.00/61.92/HTL2/G/U/F/PL/S2/S2/0.00//OYL/P22//

Dimensions

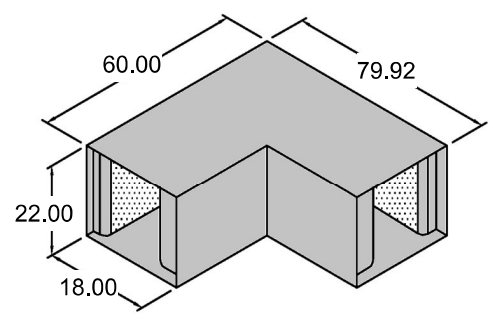
Quantity:	1	Width (in.):	18.00	Center Line (in.):	121.92
Weight (lb):	503	Height (in.):	22.00	Inlet Leg (in.):	60.00
		Configuration:	Un-Nested	Outlet Leg (in.):	79.92



END VIEW



TOP VIEW



ISO VIEW

Images are generic representations of and not to scale. The actual configuration may not be shown.

Performance

Air Volume (cfm):	4573
Air Velocity (fpm):	1663
Air Direction:	Forward
Pressure Drop (in.w.g.):	0.30
Installed PD (in.w.g.):	0.39

Dynamic Insertion Loss (dB)

63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
12	16	23	37	44	55	43	24

Construction

Casing:	Equivalent to 7 GA *	Acoustic Media:	Glass Fiber	Inlet Connection:	2" Slip
Perforated Liner:	22 GA Galvanized	Media Protection:	Polymer Film	Outlet Connection:	2" Slip

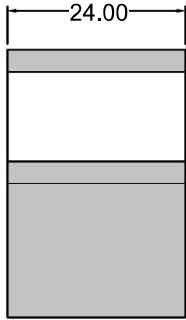
Notes

- Price silencer material has flame spread classification < 25 and smoke development rating < 50 when tested in accordance with ASTM E84, UL723 and NFPA255.
- System effects assume fan at the silencer inlet and ideal at the silencer outlet.
- Price silencers consist of ASTM A653(M) steel casings and liners.
- Price silencers are tested in our NVLAP-Accredited sound lab.
- Performance data is derived from test data in conformance with ASTM-E477-20.
- Acoustic standoff is provided standard with polymer film liner.
- Stitch and caulk construction.
- Customer to confirm all dimensions.
- * Silencer casing selected to be HTL Equivalent to 7 GA duct wall

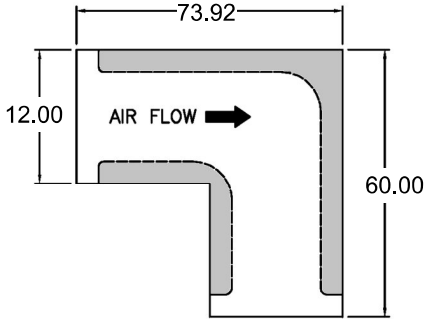
PROJECT: NESHAMA HOSPICE,3 CADILLAC AVE,NORTH YORK**CUSTOMER:** CONSULT MECHANICAL **SUBMITTAL DATE:** 10/30/2024
ENGINEER: **UNIT OF MEASURE:** Imperial **PRICE QUOTE NO:** Q24-008330
DESCRIPTION: Elbow Medium Velocity Film Lined Silencer **DRAWING REVISION:** 5
ERMT/S/I/121.92/3/B/I/18.00/22.00/121.92/18.00/22.00/1/18.00/1.0/60.00/79.92/42.00/61.92/HTL2/G/U/F/PL/S2/S2/0.00///OYL/P22///

Dimensions

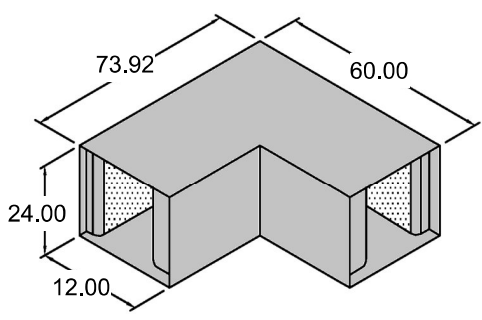
Quantity:	1	Width (in.):	12.00	Center Line (in.):	121.92
Weight (lb):	389	Height (in.):	24.00	Inlet Leg (in.):	73.92
		Configuration:	Un-Nested	Outlet Leg (in.):	60.00



END VIEW



TOP VIEW



ISO VIEW

This silencer is selected a 0.5 module configuration, as per image above.
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Performance

Air Volume (cfm):	3274
Air Velocity (fpm):	1637
Air Direction:	Reverse
Pressure Drop (in.w.g.):	0.21
Installed PD (in.w.g.):	0.29

Dynamic Insertion Loss (dB)

63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
14	20	25	39	45	48	36	20

Construction

Casing:	Equivalent to 7 GA *	Acoustic Media:	Glass Fiber	Inlet Connection:	2" Slip
Perforated Liner:	22 GA Galvanized	Media Protection:	Polymer Film	Outlet Connection:	2" Slip

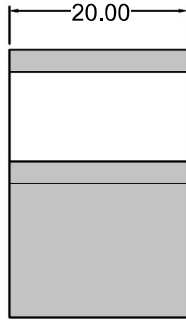
Notes

- Price silencer material has flame spread classification < 25 and smoke development rating < 50 when tested in accordance with ASTM E84, UL723 and NFPA255.
- System effects assume elbow with vanes at the silencer inlet and fan at the silencer outlet.
- Price silencers consist of ASTM A653(M) steel casings and liners.
- Price silencers are tested in our NVLAP-Accredited sound lab.
- Performance data is derived from test data in conformance with ASTM-E477-20.
- Acoustic standoff is provided standard with polymer film liner.
- Stitch and caulk construction.
- Customer to confirm all dimensions.
- * Silencer casing selected to be HTL Equivalent to 7 GA duct wall

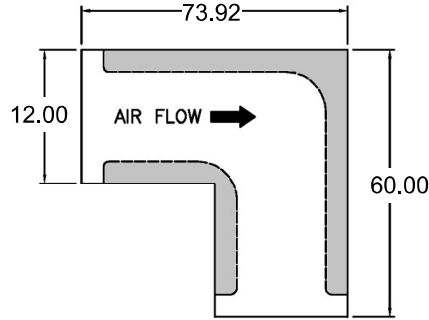
PROJECT: NESHAMA HOSPICE,3 CADILLAC AVE,NORTH YORK**CUSTOMER:** CONSULT MECHANICAL **SUBMITTAL DATE:** 10/30/2024
ENGINEER: **UNIT OF MEASURE:** Imperial **PRICE QUOTE NO:** Q24-008330
DESCRIPTION: Elbow Medium Velocity Film Lined Silencer **DRAWING REVISION:** 5
ERMT/S/I/121.92/6/B/I/12.00/24.00/121.92/12.00/24.00/1/24.00/0.5/73.92/60.00/61.92/48.00/HTL2/G/U/F/PL/S2/S2/0.00///OYL/P22///

Dimensions

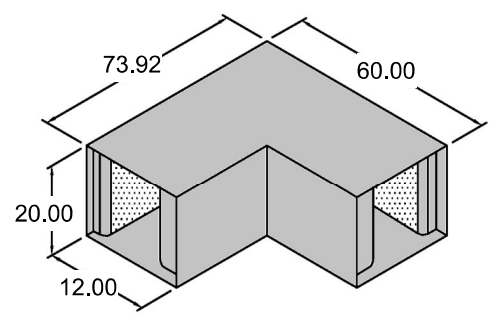
Quantity:	1	Width (in.):	12.00	Center Line (in.):	121.92
Weight (lb):	346	Height (in.):	20.00	Inlet Leg (in.):	73.92
		Configuration:	Un-Nested	Outlet Leg (in.):	60.00



END VIEW



TOP VIEW



ISO VIEW

This silencer is selected a 0.5 module configuration, as per image above.
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Performance

Air Volume (cfm):	2727
Air Velocity (fpm):	1636
Air Direction:	Reverse
Pressure Drop (in.w.g.):	0.21
Installed PD (in.w.g.):	0.29

Dynamic Insertion Loss (dB)

63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
14	20	25	39	45	48	36	20

Construction

Casing:	Equivalent to 7 GA *	Acoustic Media:	Glass Fiber	Inlet Connection:	2" Slip
Perforated Liner:	22 GA Galvanized	Media Protection:	Polymer Film	Outlet Connection:	2" Slip

Notes

- Price silencer material has flame spread classification < 25 and smoke development rating < 50 when tested in accordance with ASTM E84, UL723 and NFPA255.
- System effects assume elbow with vanes at the silencer inlet and fan at the silencer outlet.
- Price silencers consist of ASTM A653(M) steel casings and liners.
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PROJECT: NESHAMA HOSPICE,3 CADILLAC AVE,NORTH YORK**CUSTOMER:** CONSULT MECHANICAL **SUBMITTAL DATE:** 10/30/2024
ENGINEER: **UNIT OF MEASURE:** Imperial **PRICE QUOTE NO:** Q24-008330
DESCRIPTION: Elbow Medium Velocity Film Lined Silencer **DRAWING REVISION:** 5
ERMT/S/I/121.92/6/B/I/12.00/20.00/121.92/12.00/20.00/1/24.00/0.5/73.92/60.00/61.92/48.00/HTL2/G/U/F/PL/S2/S2/0.00///OYL/P22///

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200874-0

Price Sound Laboratory

Winnipeg, Manitoba
Canada

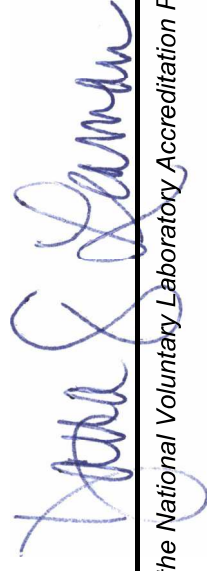
is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

Acoustical Testing Services

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué on ISO/IEC 17025).*

2024-06-03 through 2025-06-30

Effective Dates

A handwritten signature in blue ink, appearing to read "Peter S. Lander".

For the National Voluntary Laboratory Accreditation Program

Silencer Schedule										PRICCE® NOISE CONTROL																			
Project Name: NESHAWA HOSPICE 3 CADILLAC AVE,NORTH YORK										Date: 10/30/2024																			
Engineer:																													
Contractor:																													
Customer:										Revision: 5				Units: Imperial															
Silencer Information										Duct System Information										Dynamic Insertion Loss (dB)									
Tag	Qty	Model	Width (in)	Height (in)	Duct Dia. (in)	Length (in)	LegA (in)	LegB (in)	Air Direction	Flow (CFM)	Velocity (FPM)	PD (in. w.g.)	PD w/SE (in. w.g.)	63	125	250	500	1k	2k	4k	8k								
Const Notes: Galvanized, HTL2 (10 GA), 22GA Perf Liner, Fiberglass, Polymer Film, Inlet: 2" Slip, Outlet: 2" Slip																													
SL-1S-2A	1	RMT1122/2	8.00	22.00		121.92	60.00	69.92	Forward	1428	1168	0.19	0.25	13	18	27	39	46	55	48	25								
Const Notes: Galvanized, HTL2 (10 GA), 22GA Perf Liner, Fiberglass, Polymer Film, Inlet: 2" Slip, Outlet: 2" Slip																													
SL-1S-2B	1	RMT1122/3	18.00	22.00		121.92	60.00	79.92	Forward	4573	1663	0.30	0.39	12	16	23	37	44	55	43	24								
Const Notes: Galvanized, HTL2 (10 GA), 22GA Perf Liner, Fiberglass, Polymer Film, Inlet: 2" Slip, Outlet: 2" Slip																													
SL-1R-1A	1	RMT1122/6	12.00	24.00		121.92	73.92	60.00	Reverse	3274	1637	0.21	0.29	14	20	25	39	45	48	36	20								
Const Notes: Galvanized, HTL2 (10 GA), 22GA Perf Liner, Fiberglass, Polymer Film, Inlet: 2" Slip, Outlet: 2" Slip																													
SL-1R-1B	1	RMT1122/6	12.00	20.00		121.92	73.92	60.00	Reverse	2727	1636	0.21	0.29	14	20	25	39	45	48	36	20								
Const Notes: Galvanized, HTL2 (10 GA), 22GA Perf Liner, Fiberglass, Polymer Film, Inlet: 2" Slip, Outlet: 2" Slip																													