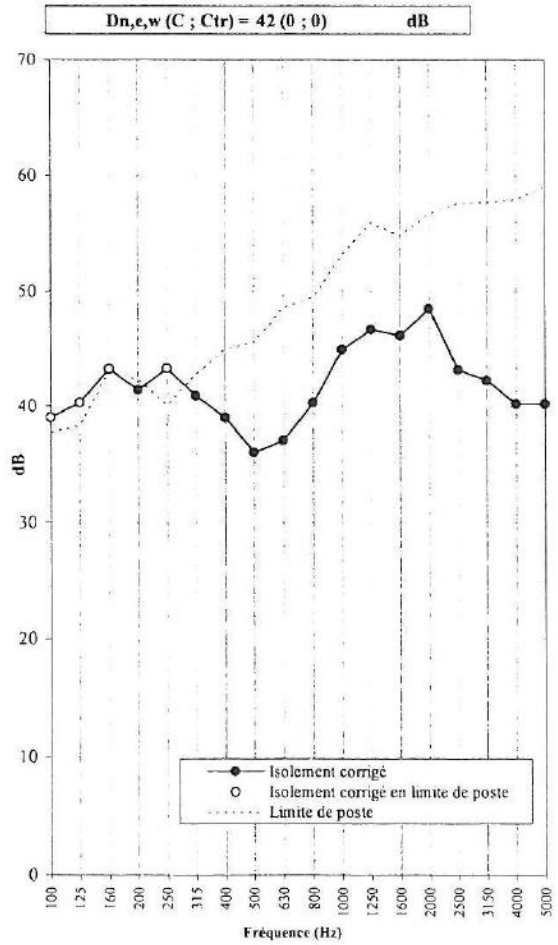
SIMON EHAS + AEA851 ACOUSTIC VENT.

PROVIDES Dne,w (C ; Ctr) - 42db (0 ; 0) in the OPEN POSITION

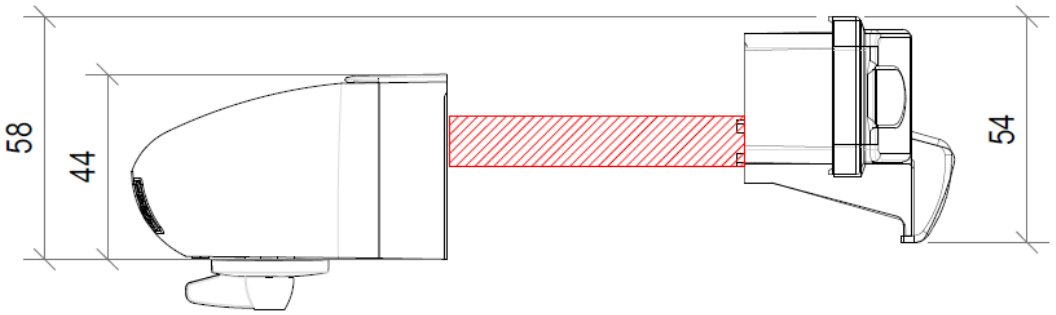
3912mm² EA per vent.

	dB
Dn,e,w =	42
Dn,e,w + C =	42
Dn,e,w + Ctr =	42

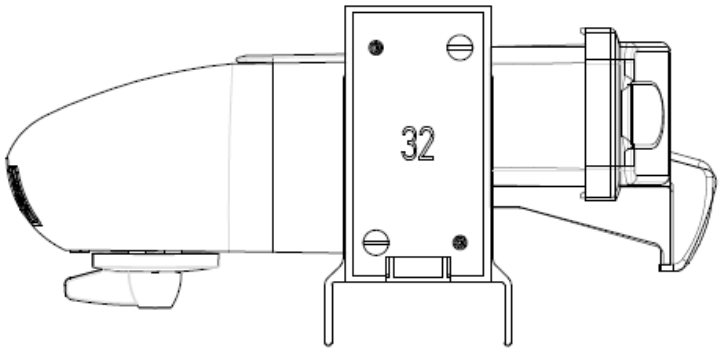


Fréquence (Hz)	Dn,e (dB)	
100	39.0	<
125	40.3	<
160	43.2	<
200	41.4	*
250	43.3	<
315	40.9	*
400	39.0	
500	36.0	
630	37.1	
800	40.3	
1000	44.9	
1250	46.7	
1600	46.1	
2000	48.5	
2500	43.1	
3150	42.2	
4000	40.2	
5000	40.2	

THRU' FRAME OPTION :



24mm, 28mm and 32mm GLAZED IN OPTION:



Simon Acoustic Ventilators

The Simon Acoustic ventilator range is designed to assist in creating aesthetic solutions for all acoustic requirements. All ventilators in our range meet the requirements of Approved Document F & Approved Document E of the Building Regulations.



FEATURES

» Sound reduction up to 42db open

» All models have been tested in accordance with BS EN ISO 717-1:1997 & BS EN 20140-10:1992

» All models have a minimum Equivalent Area of 2500mm2

» Meets WHO recommended reduction of 33db

OPTIONS

» Can be supplied on Glazed-in carrier bar » Some models available with humidity control

Model Details	*Internal Colour options*	*External Colour options*
Simon Acoustic FV	Any Standard Simon FV colour	Any Standard RAL or Silver anodised
Simon Acoustic SL	Any Standard RAL or Silver anodised	Any Standard RAL or Silver anodised
Simon Acoustic EMM	Any Standard RAL	Any Standard RAL or Silver anodised
Simon Acoustic EHA	Any Standard RAL	Any Standard RAL or Silver anodised
Simon Acoustic EHAS	Any Standard RAL	Any Standard RAL or Silver anodised
Simon EHA & AEA851	Any Standard RAL	Any Standard RAL
Simon EHAS & AEA851	Any Standard RAL	Any Standard RAL

R.W. Simon Limited
System Works, Hatchmoor Industrial Estate, Torrington, Devon EX38 7HP United Kingdom
Tel: **01805 623721** Fax: **01805 624578** Email: **info@rwsimon.co.uk** Web: **www.rwsimon.co.uk**

Simon

Simon Acoustic Ventilators

Model Details	*dB closed*	*dB Open*	*EA to BS13141-1*	*Measured Area*	*Internal Dimension*	*External Dimension*	*Slot Size*
Acoustic FV	40	32	2830	4080	400x20	431 x 45	340x12
Acoustic SL	39	33	2967	4080	400x18	431 x 45	340x12
Acoustic EMM	39	33	3199	4080	404x31	431 x 45	340x12
Acoustic EHA	38	36	2799	4080	423x54	431 x 45	340x12
Acoustic EHAS	41	38	2799	4080	423x54	431 x 45	340x12
EHA & AEA851	-	41	3912	3925	423x54	420x54	2x (177x12) (10mm land)
EHAS & AEA851	-	42	3912	3925	423x54	420x54	2x (177x12) (10mm land)

ACOUSTIC FV

» Supplied with PVCu internal flap unit and aluminium external canopy

» Rod control option available

ACOUSTIC SL

» Manufactured full from aluminium

» Rod control option available

ACOUSTIC EMM

» Supplied with PVCu internal unit and aluminium external canopy

» Uses a hygromatic sensor to open and close dependent on the quantity of moisture in the room

ACOUSTIC EHA

» Supplied with PVCu internal unit and aluminium external canopy

ACOUSTIC EHAS

» Supplied with PVCu internal unit and aluminium external canopy

» Includes additional acoustic sleeve to increase acoustic properties

SIMON EHA & AEA851

» Supplied with PVCu internal unit and external canopy

SIMON EHAS & AEA851

» Supplied with PVCu internal unit and external canopy

» Includes additional acoustic sleeve to increase acoustic properties

ISO 9001 BUREAU VERITAS Certification

MADE IN GREAT BRITAIN

Simon

SPIGOT SILENCER

ELTA

» **Select** models available for next day delivery



SPIGOT SILENCER

Overview



- Small metric range of attenuators with spigot connection
- Ideal for small fans
- Ideal for cross talk elimination
- Ideal for flexible or spiral ducting

Construction

Both types are rigidly constructed in galvanised sheet steel, with a highly absorbent sound attenuating lining between the outer casing and the inner perforated steel lining. The end faces of the silencer do not have threaded holes for fixings, but has a steel spigot for ease of mounting.

Melinex lined silencers must be used to prevent grease impregnation into the acoustic media for kitchen extract applications as prescribed in DW/172 HVAC Specification For Kitchen Ventilation Systems. For Melinex insertion losses, please contact Elta. Silencers can be provided with differing lengths: 300, 600, 900 and 1200mmm.

Silencer Attenuation

To determine the sound level of a fan fitted with a silencer, the dynamic insertion loss should be subtracted from the sound power level spectrum (dBW) of the fan. This should be done for the entire octave band mid-frequency spectrum. The fan dBW ratings and silencer attenuation apply equally to in duct applications, with a silencer connected between the fan and the duct system.

Dynamic Insertion Loss

The silencer attenuation is defined as the “dynamic insertion loss”. The values quoted in the tables represent the difference between the sound power level of a fan and silencer combination (dBW) and that of the fan alone (dBW). The dynamic insertion losses shown are the attenuations recorded under ideal working conditions. The achieved attenuation will vary according to the air velocity and flow pattern in the airways. Noise regeneration can occur at higher velocities, especially in EP silencers.

Square / Rectangular Silencers

In highly noise sensitive areas, where the circular silencers cannot achieve the necessary attenuation levels, Elta can design and build optional splitter silencers for greater effect.

SPIGOT SILENCER

Dynamic Insertion Loss

Spigot Ø100-500

Product Code	Length	Insertion Loss @ Octave band (Hz)							
		63	125	250	500	1K	2K	4K	8K
068-0100-JF1	300mm	-3	-4	-9	-17	-23	-26	-25	-14
068-0100-JF2	600mm	-5	-8	-15	-33	-39	-40	-36	-20
068-0100-JF3	900mm	-10	-13	-21	-40	-45	-40	-36	-24
068-0100-JF4	1200mm	-12	-15	-23	-42	-47	-42	-38	-26
068-0125-JF1	300mm	-3	-3	-8	-16	-21	-24	-22	-12
068-0125-JF2	600mm	-4	-8	-13	-30	-35	-35	-31	-15
068-0125-JF3	900mm	-9	-12	-18	-37	-41	-38	-34	-20
068-0125-JF4	1200mm	-11	-15	-21	-40	-46	-41	-36	-23
068-0150-JF1	300mm	-3	-3	-6	-14	-19	-23	-22	-11
068-0150-JF2	600mm	-4	-7	-12	-23	-30	-36	-31	-15
068-0150-JF3	900mm	-8	-9	-15	-31	-37	-37	-34	-18
068-0150-JF4	1200mm	-10	-14	-17	-34	-41	-40	-36	-20
068-0160-JF1	300mm	-3	-3	-6	-14	-19	-23	-22	-11
068-0160-JF2	600mm	-4	-7	-12	-23	-29	-35	-30	-15
068-0160-JF3	900mm	-8	-9	-15	-31	-37	-37	-34	-18
068-0160-JF4	1200mm	-10	-14	-18	-33	-40	-39	-35	-18
068-0200-JF1	300mm	-2	-3	-6	-13	-17	-20	-18	-9
068-0200-JF2	600mm	-4	-6	-10	-20	-27	-32	-20	-11
068-0200-JF3	900mm	-7	-9	-14	-32	-39	-36	-26	-15
068-0200-JF4	1200mm	-10	-12	-17	-35	-41	-44	-28	-16
068-0250-JF1	300mm	-2	-3	-6	-12	-16	-19	-17	-8
068-0250-JF2	600mm	-3	-6	-10	-19	-25	-29	-18	-10
068-0250-JF3	900mm	-5	-8	-12	-24	-30	-30	-22	-14
068-0250-JF4	1200mm	-7	-10	-15	-31	-37	-38	-26	-15
068-0315-JF1	300mm	-1	-3	-6	-12	-15	-18	-16	-8
068-0315-JF2	600mm	-3	-5	-8	-16	-21	-22	-16	-14
068-0315-JF3	900mm	-4	-7	-10	-20	-31	-28	-17	-14
068-0315-JF4	1200mm	-6	-9	-14	-23	-32	-32	-18	-15
068-0355-JF1	300mm	-1	-3	-6	-12	-15	-18	-16	-8
068-0355-JF2	600mm	-3	-4	-7	-15	-19	-20	-15	-13
068-0355-JF3	900mm	-4	-7	-9	-19	-28	-25	-16	-13
068-0355-JF4	1200mm	-5	-8	-13	-22	-31	-29	-17	-14
068-0400-JF1	300mm	-1	-2	-4	-11	-15	-15	-12	-8
068-0400-JF2	600mm	-2	-4	-7	-14	-17	-18	-14	-11
068-0400-JF3	900mm	-3	-6	-9	-18	-26	-23	-15	-12
068-0400-JF4	1200mm	-5	-8	-13	-22	-30	-27	-17	-12
068-0500-JF1	300mm	-1	-1	-3	-10	-14	-14	-11	-7
068-0500-JF2	600mm	-2	-4	-6	-14	-16	-16	-13	-11
068-0500-JF3	900mm	-3	-6	-8	-17	-24	-21	-15	-11
068-0500-JF4	1200mm	-4	-8	-12	-19	-28	-23	-16	-12

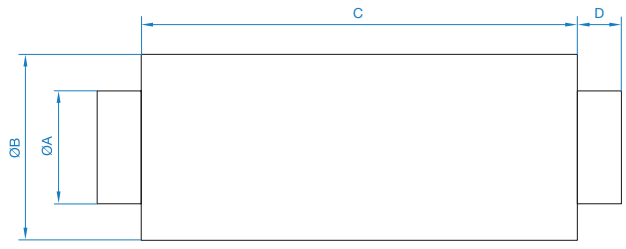
For sizes 560-710, please contact Elta.

Elta Limited has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication. Confirmation of dimensions and data will be supplied on request.

SPIGOT SILENCER

Dimensional Data

Product Code	Fan Dia.	A	B	C	D	Weight kg
068-0100-JF1	100	98	204	300	40	2.5
068-0100-JF2	100	98	204	600	40	4.6
068-0100-JF3	100	98	204	900	40	6.7
068-0100-JF4	100	98	204	1200	40	8.7
068-0125-JF1	125	123	230	300	40	2.9
068-0125-JF2	125	123	230	600	40	5.4
068-0125-JF3	125	123	230	900	40	7.8
068-0125-JF4	125	123	230	900	40	10.2
068-0150-JF1	150	148	255	300	40	3.4
068-0150-JF2	150	148	255	600	40	6.1
068-0150-JF3	150	148	255	900	40	8.9
068-0150-JF4	150	148	255	1200	40	11.6
068-0160-JF1	160	158	265	300	40	3.5
068-0160-JF2	160	158	265	600	40	6.4
068-0160-JF3	160	158	265	900	40	9.3
068-0160-JF4	160	158	265	1200	40	12.2
068-0200-JF1	200	198	305	300	40	4.2
068-0200-JF2	200	198	305	600	40	7.6
068-0200-JF3	200	198	305	900	40	11.0
068-0200-JF4	200	198	305	1200	40	14.5
068-0250-JF1	250	248	355	300	40	5.0
068-0250-JF2	250	248	355	600	40	9.1
068-0250-JF3	250	248	355	900	40	13.2
068-0250-JF4	250	248	355	1200	40	17.3
068-0315-JF1	315	313	420	300	40	6.1
068-0315-JF2	315	313	420	600	40	11.1
068-0315-JF3	315	313	420	900	40	16.1
068-0315-JF4	315	313	420	1200	40	21.0
068-0355-JF1	355	353	460	300	40	6.8
068-0355-JF2	355	353	460	600	40	12.3
068-0355-JF2	355	353	460	900	40	17.8
068-0355-JF4	355	353	460	1200	40	23.3
068-0400-JF1	400	398	505	300	40	7.5
068-0400-JF2	400	398	505	600	40	13.6
068-0400-JF3	400	398	505	900	40	19.8
068-0400-JF4	400	398	505	1200	40	25.9
068-0500-JF1	500	498	654	300	40	13.2
068-0500-JF2	500	498	654	600	40	26.4
068-0500-JF3	500	498	654	900	40	39.6
068-0500-JF4	500	498	654	1200	40	52.8



For sizes 500-710, please contact Elta.
Dimensions are in mm.

Tel **01384 275800** Fax **01384 275810** Email **info@eltauk.com** Website **eltauk.com**

SPIGOT SILENCER

Notes

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068-JF-11-2018 Issue B

BS EN ISO 9001:2015 FM 556465

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Sales - Shipment

Certificate of Conformity

ELTA
AIR MOVEMENT
AIR QUALITY

Customer Name	IN BUILD ONLINE LIMITED
Your Order Ref.	1128
Order No.	**SO0114444**
Shipment No.	PSHIP-142214
Shipment Date	08/07/26
Project Reference	
Shipping Agent	

Ship-To-Address

[redacted]
MOORFIELD ROAD
OLDHAM
OL8 4RB
United Kingdom
[redacted]

17 Barnes Wallis Road
Segensworth East Ind Est
Fareham
Hampshire PO15 5ST
United Kingdom

Phone +44 (0) 1489 566500

Home Page www.eltauk.com
Company Registration 820750
Email [redacted]
VAT Registration 670 3097 41

Shipment Method	Standard Next Day
Dept	SMO

No.	Description	Bin Code	Quantity Shipped	Unit of Measure
068-0150-JF3	DIA.150X900LG J.FLOW SILENCER	KWP02	3	Each

ate:
ame:
gnature:

Picked By:
Checked By
Net Weight

[redacted]

bsi
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