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Our Reference

99800/99/1/2

Subject

Volvo Swiss Cottage

09 April 2020

For the attention of Neil Reynolds,

With reference to receipt of your recent enquiry for condenser noise mitigation please find enclosed condenser discharge attenuator selections for the various sized units.

Pressure drop has been kept to less than 30pa with an insertion loss that should meet the requirements as detailed within the acoustic consultants report.

The initial attenuator length is 1200mm and additional 500mm will be required as a plenum section between the condenser and the attenuator.

Fresh air intake for the condensers can be via our SS300 acoustic louvres as per the attached data sheet.

We recommend that the enclosed is issued to the project acoustic consultant for their review and comment.

Should you have any queries please do not hesitate to contact the undersigned.

Yours faithfully,

Andy Smith

Andy Smith

Associate Operations Director

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Registered office and
head office

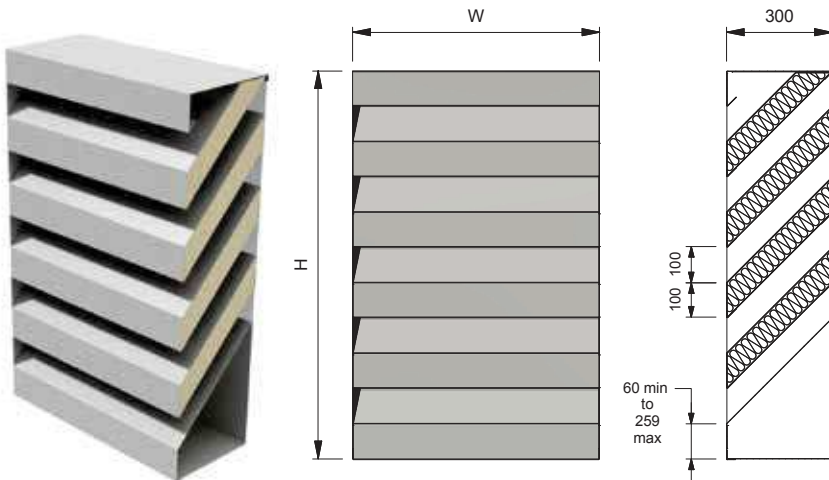
Company Registration Number
2790667
VAT Registration Number
GB614683632

SS300 Acoustic Louvre

Technical Data



Single Bank Acoustic Louvre, Standard Performance Profile, 300mm Deep



Typical weight 43kg/m²

Generally louvres above 50kg will be supplied in modules for assembly on site. Joining brackets and fixings will be provided for assembly.

Installation services, support steelwork, flashings, fixings to the structure and mastic will not be provided unless stated.

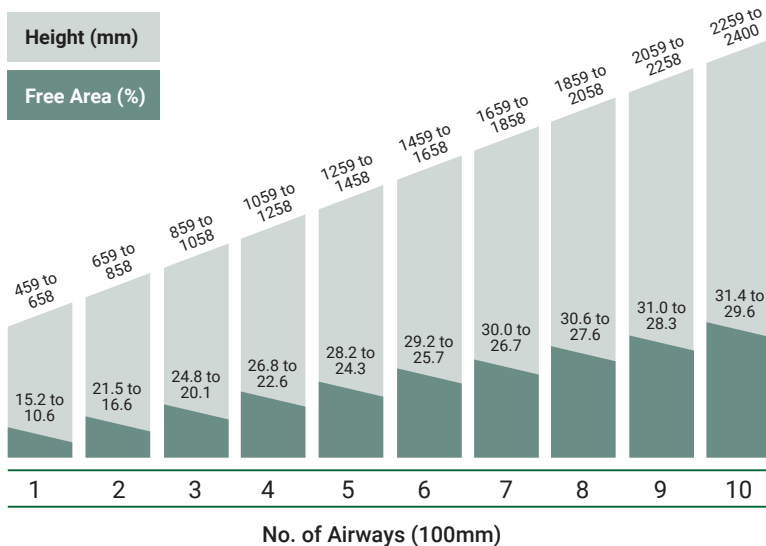
Refer to the Acoustic Louvre Schedule and Product Code Definitions for the size and specification of each Acoustic Louvre.

A minimum of 10mm clearance should be allowed between the structure and the Acoustic Louvre sizes shown.

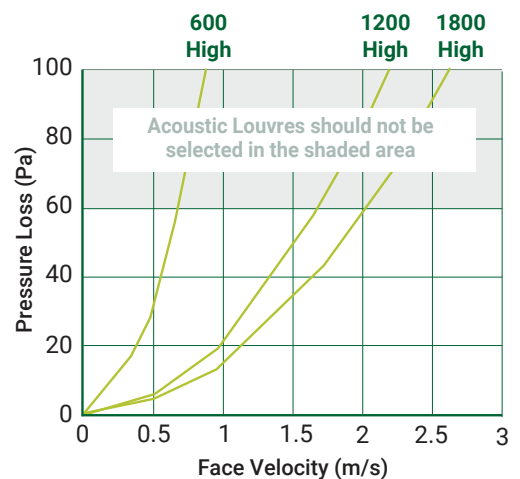
Performance

Acoustic Data	dB in each Octave Band Centre Frequency (Hz)							
	63	125	250	500	1k	2k	4k	8k
Sound reduction index	6	6	9	13	21	20	16	13
Weighted sound reduction index (Rw)	17							
Static insertion loss	5	6	9	14	20	20	20	20
Regenerated sound power level at 1m/s face velocity	48	41	34	30	25	20	13	12
Regenerated sound power level at 2m/s face velocity	66	58	51	47	45	43	39	28

Free Area and Height range



Free area shown is based on an 1150mm wide single piece louvre fitted with bird mesh and will vary slightly for different widths and bigger heights. Pressure losses for Class A rated louvres are available upon request.



Attenuator Schedule

Volvo Swiss Cottage

Schedule Date
09/04/2020
Caice Reference
99800/Q00001

Product Reference	Product Description	Dimensions (mm)			Insertion Loss (dB)								Air Volume (m³/s)	Pressure Loss (Pa)	Quantity	Features
		Width	Height	Length	63	125	250	500	1k	2k	4k	8k				
AT001	Attenuator REYQ16	1500	800	1200	4	7	14	27	21	14	10	7	4	18	1	
AT002	Attenuator REYQ20	2000	800	1200	4	7	14	27	21	14	10	7	6.33	25	1	
AT003	Attenuator REYQ8	1000	800	1200	3	6	13	25	19	12	9	7	3.6	28	1	
AT004	Attenuator REYQ12	1500	800	1200	4	7	14	27	21	14	10	7	3.5	14	1	
AT005	Attenuator REYQ18	2000	800	1200	4	7	14	27	21	14	10	7	6.08	23	1	
AT006	Attenuator RYMQ20	2000	800	1200	4	7	14	27	21	14	10	7	4.35	12	1	
AT007	Attenuator RYMQ12	1500	800	1200	4	7	14	27	21	14	10	7	3.08	11	1	
AT008	Attenuator RZAQ	1200	500	1200	3	9	14	27	28	18	11	6	1.16	10	1	Horizontal elements & Medium pressure rating (+1000/-750Pa)