performance data

horizontal throw

spot louvres

Aerotherm B.V. - Weesp

SL 3

size	distance in mtr															
		vol.	25				34				51				68			
		press	27				47				104				186			
		noise	<25				<28				<32				<37			
		veloc	6				8				13				17			
		throw	2.1				3.4				5.0				8.0			
		± °	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22
	0.9		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1.5		0	3	3	6	0	0	0	3	0	0	0	0	0	0	0	0
	2.1	**drop**	3	6	9	12	0	3	6	9	0	3	3	3	0	0	0	3
	2.8	**or**	9	15	24	30	3	9	12	15	0	3	3	6	0	3	3	3
	3.4	**rise**					9	15	24	30	3	6	9	12	0	3	3	6
	4.6	**in**					18	33	51	67	9	15	24	30	6	9	15	18
	6.1	**cm**									18	33	51	67	9	18	27	36
	7.6														15	30	45	54
	9.2														21	39	60	82

SL 4

size	distance in mtr																			
		vol.	34				51				68				85				102			
		press	15				35				62				97				140			
		noise	<20				<25				<30				<32				<35			
		veloc	5				7				10				12				14			
		throw	2.1				3.4				5.0				6.1				7.6			
		± °	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22
	1.5		0	3	6	9	0	3	3	3	0	0	0	3	0	0	0	0	0	0	0	0
	2.1	**drop**	6	9	15	18	3	3	6	9	0	3	3	6	0	3	3	3	0	0	0	0
	2.8	**or**	9	18	27	39	6	9	15	18	3	6	6	9	3	3	6	6	0	3	3	3
	3.4	**rise**					9	15	24	30	6	9	15	18	3	6	9	12	3	3	6	6
	4.6	**in**					18	33	51	67	9	18	27	39	6	12	18	24	3	9	12	18
	6.1	**cm**									21	42	63	85	15	27	42	55	9	18	27	36
	7.6														24	51	76	100	27	36	55	70
	9.2																		30	58	88	116

SL 5

size	distance in mtr																									
		vol.	68				85				102				119				136				153				170			
		press	22				32				45				62				77				100				122			
		noise	<22				<25				<28				<30				<32				<34				<35			
		veloc	6				7				9				10				11				13				14			
		throw	3.4				4.6				6.1				7.0				7.6				9.2				10.7			
		± °	5	16	16	22	5	16	16	22	5	16	16	22	5	16	16	22	5	16	16	22	5	16	16	22	5	16	16	22
	1.5		0	3	6	6	0	0	3	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2.1	**drop**	3	6	9	12	0	3	6	6	0	3	3	6	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0
	2.8	**or**	6	12	18	24	3	9	12	18	3	6	9	12	0	3	6	9	0	3	3	6	0	3	6	6	0	3	6	6
	3.4	**rise**	9	18	27	36	6	12	18	24	6	9	15	18	3	6	9	12	3	6	6	9	3	3	6	9	3	3	6	6
	4.6	**in**	21	45	67	88	15	27	42	55	9	21	30	39	9	15	24	30	6	12	18	21	3	9	12	18	3	6	12	15
	6.1	**cm**					33	67	100	134	24	45	67	91	18	33	51	67	12	27	39	51	12	21	30	39	9	15	24	33
	7.6										39	51	91	122	30	60	91	165	24	45	67	94	18	36	55	73	15	30	45	61
	9.2																		39	76	116	152	30	60	91	122	24	48	73	67
	10.7																						45	91	137	183	36	73	113	149
	12.2																										55	107	162	213

The static pressure (in PA) was measured 1½ duct diameter upstream of the louvre inlet. The noise criteria ratings -in dB(A)-were determined by subtracting 10 dB (room effect) from the sound power levels. The velocity (m/s) is measured at the louvre nozzle. The throw indicates the distance measured from the louvre outlet to where the air has a velocity of approx. 0.25 m/s. The drop or rise of the air can be corrected by change of angle of the body of the spot louvre; we refer to the angular discharge correction table.

(**volume** in m3/h - **pressure** in Pa - **noise** in dB(A) - **velocity** in m/s - **throw** in m - **±°** in C)

performance data
horizontal throw

spot louvres
Aerotherm B.V. - Weesp

SL 6

size	distance in mtr	vol.	85				102				119				136				153				170				212			
		press	17				25				35				45				57				72				112			
		noise	<20				<22				<25				<28				<29				<31				<35			
		veloc	5				6				7				9				10				11				13			
		throw	3.4				4.6				6.1				7.0				7.6				8.5				10.7			
		± °	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22
	2.1	drop or rise in cm	3	6	9	12	3	3	6	6	0	3	3	6	0	3	3	3	0	3	3	3	0	0	0	3	0	0	0	3
	2.8		6	12	18	21	3	6	92	15	3	6	9	12	3	3	6	9	3	3	6	6	0	3	3	6	0	3	3	3
	3.4		9	18	27	39	6	12	18	27	6	9	15	21	3	9	12	15	3	6	9	12	3	6	9	9	3	3	6	6
	4.6		24	45	67	92	15	33	48	63	12	24	36	48	9	18	27	36	6	15	21	27	6	12	18	24	3	6	9	15
	6.1						36	67	107	140	24	45	76	103	18	39	58	79	15	30	45	61	12	24	36	52	9	15	24	33
	7.6										48	94	143	189	36	73	109	146	30	58	91	116	24	45	67	91	15	30	45	58
	9.2																		45	94	140	189	39	76	116	152	24	49	73	97
	10.7																						52	104	155	204	33	67	100	131
	12.2																										52	104	155	210

SL 7

size	distance in mtr	vol.	119				136				153				170				212				256				297				340			
		press	17				22				27				32				53				75				102				135			
		noise	<20				<22				<24				<26				<29				<33				<35				<37			
		veloc	5				6				7				7				9				11				13				15			
		throw	4.6				6.1				6.5				7.0				9.2				10.7				12.2				14			
		± °	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22
	2.1	drop or rise in cm	3	6	6	9	3	3	6	9	0	3	3	6	0	3	3	6	0	3	3	3	0	0	0	3	0	0	0	3	0	0	0	0
	2.8		6	12	18	21	3	9	12	18	3	6	9	12	3	6	9	12	3	3	6	6	0	3	3	6	0	3	3	3	0	3	3	3
	3.4		9	18	27	36	6	15	21	27	6	12	18	21	3	9	12	18	3	6	9	12	3	3	6	9	0	3	3	6	0	3	3	3
	4.6		21	45	67	88	18	33	51	67	12	27	39	55	12	21	33	42	6	15	21	27	6	9	15	18	3	6	9	15	3	6	9	12
	6.1		48	97	146	192	36	73	109	149	30	58	88	116	24	45	67	94	15	30	45	61	9	21	30	42	9	15	24	30	6	12	18	24
	7.6										51	106	158	213	42	85	122	174	27	55	82	110	18	39	58	76	15	27	42	55	12	18	33	42
	9.2																		45	91	137	183	30	64	94	128	24	45	67	94	18	36	55	73
	10.7																		73	143	216	290	48	100	122	182	36	73	110	146	27	58	85	113
	12.2																						73	146	219	293	55	107	162	213	39	82	125	165
	15.2																										73	143	216	287	67	140	210	277

SL 8

size	distance in mtr	vol.	153				170				212				256				297				340				425			
		press	17				20				32				47				62				82				127			
		noise	<20				<23				<25				<28				<31				<36				<40			
		veloc	5				6				7				9				11				12				15			
		throw	6.1				7.0				9.2				10.7				12.2				13.5				17			
		± °	5	16	16	22	5	16	16	22	5	16	16	22	5	16	16	22	5	16	16	22	5	16	16	22	5	16	16	22
	2.8	drop or rise in cm	6	9	15	18	3	6	12	15	3	6	6	9	3	3	6	6	0	3	3	6	0	3	3	3	0	0	3	3
	3.4		9	15	24	33	6	12	21	27	3	9	12	18	3	6	9	12	3	3	6	9	3	3	6	6	0	3	3	3
	4.6		18	39	58	79	15	30	48	63	9	21	30	39	6	15	21	27	6	9	15	21	6	9	12	15	3	6	6	9
	6.1		39	82	122	166	33	67	100	134	21	42	63	85	15	30	45	58	12	21	33	42	9	15	24	33	6	9	15	21
	7.6						61	122	183	241	39	76	116	155	27	55	82	106	18	39	58	79	15	30	45	61	9	18	30	39
	9.2										63	128	189	253	42	88	131	177	33	63	97	128	24	48	73	97	15	30	48	63
	10.7														67	134	201	268	48	97	146	195	36	76	113	149	24	48	73	97
	12.2																		67	143	218	283	55	110	165	216	48	97	143	192
	15.2																		97	195	296	393	100	201	302	402	63	128	192	259
	18.3																										107	210	317	424

The static pressure (in PA) was measured 1½ duct diameter upstream of the louvre inlet. The noise criteria ratings -in dB(A)-were determined by subtracting 10 dB (room effect) from the sound power levels. The velocity (m/s) is measured at the louvre nozzle. The throw indicates the distance measured from the louvre outlet to where the air has a velocity of approx. 0.25 m/s. The drop or rise of the air can be corrected by change of angle of the body of the spot louvre; we refer to the angular discharge correction table.

(**volume** in m3/h - **pressure** in Pa - **noise** in dB(A) - **velocity** in m/s - **throw** in m - **±°** in C)

performance data
horizontal throw

spot louvres
Aerotherm B.V. - Weesp

SL 10

size	distance in mtr	vol.	297				340				425				510				680				850			
		press	17				22				35				50				87				137			
		noise	<20				<23				<26				<28				<38				<44			
		veloc	5				6				8				9				12				15			
		throw	7.6				9.2				10.9				13.5				17				22			
		± °	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22
	3.4	drop or rise in cm	6	12	18	24	3	9	12	18	3	6	9	12	3	3	6	9	0	3	3	3	0	0	3	3
	4.6		15	30	45	58	12	21	33	45	6	15	21	30	6	9	15	21	3	6	9	12	3	3	3	6
	6.1		30	61	91	122	24	48	73	94	15	30	45	61	9	21	30	42	6	12	18	24	3	9	12	15
	7.6		61	122	186	250	48	94	143	192	30	61	91	122	21	42	63	85								
	9.2		94	192	286	384	73	146	219	293	45	94	140	189	33	63	97	131	18	36	55	73	12	24	36	45
	10.7						131	265	396	527	85	171	256	338	21	42	63	85								
	12.2										104	207	311	412	33	63	97	131	39	82	122	161	24	51	766	104
	15.2										180	357	536	713	124	247	372	497	70	140	210	280	45	88	134	180
	18.3																		119	238	357	478	76	152	229	305
	21.3																		182	366	549	731	116	235	351	469
	24.4																						152	335	518	701

SL 12

size	distance in mtr	vol.	425				510				680				850			
		press	15				22				37				60			
		noise	<25				<30				<32				<37			
		veloc	6				7				9				11			
		throw	10				12.2				15				18			
		± °	5	11	16	22	5	11	16	22	5	11	16	22	5	11	16	22
	3.4	drop or rise in cm	3	9	12	15	0	0	3	3	3	6	6	9	0	3	3	6
	4.6		9	24	36	48	9	18	27	33	6	9	15	18	3	6	9	12
	6.1		27	55	82	113	18	39	58	79	12	21	33	42	6	15	21	27
	7.6		51	104	155	204	36	70	137	143								
	9.2		67	192	289	384	67	134	201	265	36	76	113	149	24	48	73	94
	10.7		140	280	420	561	97	195	293	390								
	12.2						143	283	426	570	79	158	238	320	51	104	155	204
	15.2						243	457	700	945	131	265	396	530	85	171	256	338
	18.3										213	426	640	853	137	271	408	542
	21.3														213	396	610	792
	24.4														274	579	853	-

Angular Discharge Correction Table

rise/drop in cm	distance in meter 0.9	1.5	2.1	2.8	3.4	4.6	6.1	7.6	9.2	10.7	15.2	18.3	21.3	24.4
3	2	1	1	1	1	1								
9	6	4	3	2	2	1								
15		6	4	3	3	2	1	1						
30		11	8	6	5	4	3	1	2					
45			12	9	8	6	4	3	3					
61			16	13	10	8	8	5	4	3	2	2	2	
122				24	20	15	11	9	8	7	5	4	3	3
152					29	22	15	13	11	10	7	6	5	4
244						28	18	18	15	13	9	8	7	6
304							22	22	18	16	11	9	8	7
366							27	26	22	19	13	11	10	9
427								29	25	22	16	13	11	10
549										27	20	17	14	13

The static pressure (in PA) was measured 1½ duct diameter upstream of the louvre inlet. The noise criteria ratings -in dB(A)-were determined by subtracting 10 dB (room effect) from the sound power levels. The velocity (m/s) is measured at the louvre nozzle. The throw indicates the distance measured from the louvre outlet to where the air has a velocity of approx. 0.25 m/s. The drop or rise of the air can be corrected by change of angle of the body of the spot louvre; we refer to the angular discharge correction table.

(**volume** in m3/h - **pressure** in Pa - **noise** in dB(A) - **velocity** in m/s - **throw** in m - **±°** in C)