

SMD/AMD

Modular Louvered Face Diffuser

PERFORMANCE DATA

SMD/AMD – Metric Units

Neck Velocity (m/s) Velocity Pressure (Pa) Total Pressure (Pa)		1.5 1 9	2.0 2 16	2.5 4 25	3.0 6 36	3.5 8 48	4.0 10 63	4.5 13 80
Duct Size 150 x 150	L/s NC	35	47	59	71	83	94	106
		-	-	17	22	27	31	35
Duct Area 0.023 m ²	L/s/throw	9	12	15	18	21	24	26
4A	Throw (m)	1.2-1.8-3.6	1.9-2.9-4.5	2.8-3.5-5.0	3.2-3.9-5.5	3.4-4.2-5.9	3.6-4.5-6.3	3.9-4.7-6.7
3A	L/s/throw	9	12	15	18	21	24	26
	Throw (m)	1.2-1.8-3.6	1.5-2.2-4.3	2.0-2.9-5.0	2.5-3.7-5.6	2.8-4.2-5.9	3.2-4.5-6.3	3.5-5.0-7.1
2S, 2G	L/s/throw	18	24	30	35	42	47	53
	Throw (m)	1.7-2.6-4.7	2.7-3.8-5.4	3.5-4.3-6.1	3.8-4.7-6.7	4.2-5.1-7.2	4.4-5.4-7.7	4.7-5.8-8.2
1S	L/s/throw	35	47	59	71	83	94	106
	Throw (m)	2.4-3.6-5.7	3.8-4.7-6.6	4.3-5.2-7.4	4.7-5.7-8.1	5.1-6.2-8.8	5.4-6.6-9.4	5.7-7.0-9.9
Duct Size 230 x 230	L/s NC	80	106	133	159	186	212	239
		-	-	21	26	31	35	39
Duct Area 0.052 m ²	L/s/throw	20	26	33	40	46	53	60
4A	Throw (m)	1.8-2.7-4.9	2.9-4.0-5.6	3.6-4.4-6.3	4.0-4.9-6.9	4.3-5.3-7.4	4.6-5.6-8.0	4.9-6.0-8.4
3A	L/s/throw	20	26	33	40	46	53	60
	Throw (m)	1.8-2.7-4.9	2.2-3.3-5.5	3.0-4.4-6.3	3.7-5.0-7.0	4.2-5.3-7.4	4.6-5.6-8.0	5.2-6.3-8.9
2S, 2G	L/s/throw	40	53	67	80	93	106	119
	Throw (m)	2.6-3.8-5.9	4.0-4.9-6.9	4.4-5.4-7.7	4.8-5.9-8.4	5.2-6.4-9.1	5.6-6.9-9.7	5.9-7.3-10.3
1S	L/s/throw	80	106	133	159	186	212	239
	Throw (m)	3.6-5.1-7.2	4.8-5.9-8.3	5.4-6.6-9.3	5.9-7.2-10.2	6.4-7.8-11.0	6.8-8.3-11.8	7.2-8.9-12.5
Duct Size 305 x 305	L/s NC	142	189	236	283	330	378	425
		-	17	24	29	34	38	42
Duct Area 0.093 m ²	L/s/throw	35	47	59	71	83	94	106
4A	Throw (m)	2.4-3.6-5.7	3.8-4.7-6.6	4.3-5.2-7.4	4.7-5.7-8.1	5.1-6.2-8.8	5.4-6.6-9.4	5.7-7.0-9.9
3A	L/s/throw	35	47	59	71	83	94	106
	Throw (m)	2.4-3.6-5.7	2.9-4.4-6.4	3.2-4.7-6.6	4.0-5.2-7.4	4.7-5.7-8.1	5.1-6.2-8.8	6.1-7.4-10.5
2S, 2G	L/s/throw	71	94	118	142	165	189	212
	Throw (m)	3.4-4.9-7.0	4.7-5.7-8.1	5.2-6.4-9.0	5.7-7.0-9.9	6.2-7.6-10.7	6.6-8.1-11.4	7.0-8.6-12.1
1S	L/s/throw	142	189	236	283	330	378	425
	Throw (m)	4.8-6.0-8.5	5.7-7.0-9.8	6.3-7.8-11.0	7.0-8.5-12.0	7.5-9.2-13.0	8.0-9.8-13.9	8.5-10.4-14.8
Duct Size 380 x 380	L/s NC	221	295	369	443	516	590	664
		-	19	26	32	36	41	44
Duct Area 0.145 m ²	L/s/throw	55	74	92	110	129	148	166
4A	Throw (m)	3.0-4.5-6.5	4.3-5.3-7.5	4.9-5.9-8.4	5.3-6.5-9.2	5.7-7.0-10.0	6.1-7.5-10.6	6.5-8.0-11.3
3A	L/s/throw	55	74	92	110	129	148	166
	Throw (m)	3.0-4.5-6.5	3.7-5.2-7.3	4.0-5.3-7.5	4.9-6.0-8.4	5.3-6.5-9.2	6.0-7.3-10.3	6.7-8.1-11.2
2S, 2G	L/s/throw	110	148	185	221	258	295	332
	Throw (m)	4.3-5.6-7.9	5.3-6.5-9.2	5.9-7.3-10.3	6.5-7.9-11.2	7.0-8.6-12.1	7.5-9.2-13.0	7.9-9.7-13.8
1S	L/s/throw	221	295	369	443	516	590	664
	Throw (m)	5.6-6.8-9.7	6.4-7.9-11.2	7.2-8.8-12.5	7.9-9.7-13.7	8.5-10.4-14.8	9.1-11.2-15.8	9.7-11.8-16.8
Duct Size 455 x 455	L/s NC	319	425	531	637	743	850	956
		-	21	28	34	38	42	46
Duct Area 0.209 m ²	L/s/throw	80	106	133	160	186	212	239
4A	Throw (m)	3.6-5.1-7.2	4.8-5.9-8.3	5.4-6.6-9.3	5.9-7.2-10.2	6.4-7.8-11.0	6.8-8.3-11.8	7.2-8.9-12.5
3A	L/s/throw	80	106	133	160	186	212	239
	Throw (m)	3.6-5.1-7.2	4.4-5.7-8.1	4.8-5.9-8.3	5.4-6.6-9.3	6.1-7.4-10.5	6.8-8.3-11.8	7.7-9.4-13.3
2S, 2G	L/s/throw	160	212	266	319	372	425	478
	Throw (m)	5.1-6.2-8.8	5.9-7.2-10.2	6.6-8.0-11.4	7.2-8.8-12.5	7.8-9.5-13.5	8.3-10.2-14.4	8.8-10.8-15.3
1S	L/s/throw	319	425	531	637	743	850	956
	Throw (m)	6.2-7.6-10.7	7.2-8.8-12.4	8.0-9.8-13.9	8.8-10.7-15.2	9.5-11.6-16.4	10.1-12.4-17.5	10.7-13.1-18.6
Duct Size 535 x 535	L/s NC	434	578	723	867	1012	1156	1301
		-	23	30	35	40	44	48
Duct Area 0.284 m ²	L/s/throw	109	144	181	217	253	289	325
4A	Throw (m)	4.2-5.6-7.9	5.3-6.4-9.1	5.9-7.2-10.2	6.4-7.9-11.2	7.0-8.5-12.1	7.4-9.1-12.9	7.9-9.7-13.7
3A	L/s/throw	109	144	181	217	253	289	325
	Throw (m)	4.2-5.6-7.9	5.1-6.3-8.9	5.3-6.4-9.1	5.9-7.2-10.2	6.6-8.1-11.4	7.2-8.9-12.5	8.1-9.9-14.1
2S, 2G	L/s/throw	217	289	362	434	506	578	650
	Throw (m)	5.6-6.8-9.6	6.4-7.9-11.1	7.2-8.8-12.4	7.9-9.6-13.6	8.5-10.4-14.7	9.1-11.1-15.7	9.6-11.8-16.7
1S	L/s/throw	434	578	723	867	1012	1156	1301
	Throw (m)	6.8-8.3-11.7	7.8-9.6-13.5	8.7-10.7-15.1	9.6-11.7-16.6	10.3-12.7-17.9	11.0-13.5-19.1	11.7-14.4-20.3
Duct Size 610 x 610	L/s NC	566	755	944	1133	1322	1510	1699
		16	24	31	37	41	45	49
Duct Area 0.372 m ²	L/s/throw	142	189	236	283	330	378	425
4A	Throw (m)	4.8-6.0-8.5	5.7-7.0-9.8	6.3-7.8-11.0	7.0-8.5-12.0	7.5-9.2-13.0	8.0-9.8-13.9	8.5-10.4-14.8
3A	L/s/throw	142	189	236	283	330	378	425
	Throw (m)	4.8-6.0-8.5	5.5-6.8-9.6	5.7-7.0-9.8	6.4-7.8-11.0	7.1-8.7-12.3	7.8-9.5-13.5	8.4-10.3-14.6
2S, 2G	L/s/throw	283	378	472	566	661	755	850
	Throw (m)	6.0-7.3-10.4	6.9-8.5-12.0	7.7-9.5-13.4	8.5-10.4-14.7	9.2-11.2-15.9	9.8-12.0-16.9	10.4-12.7-18.0
1S	L/s/throw	566	755	944	1133	1322	1510	1699
	Throw (m)	7.3-8.9-12.6	8.4-10.3-14.6	9.4-11.5-16.3	10.3-12.6-17.9	11.2-13.7-19.3	11.9-14.6-20.7	12.6-15.5-21.9

For Performance Notes and Return Factors, see end of section.

PERFORMANCE DATA

SMD/AMD – Metric Units

Neck Velocity (m/s)		1.5		2.0		2.5		3.0		3.5		4.0		4.5			
Velocity Pressure (Pa)		1		2		4		6		8		10		13			
Total Pressure (Pa)		9		16		25		35		48		63		80			
Duct Size		53		71		89		106		124		142		159			
230 x 150		NC		-		19		24		29		33		37			
Duct Area 0.035 m ²	4B	L/s/side	18	9	24	12	30	15	35	18	42	21	47	24	53	26	
		Throw (m)	1.7-2.6-4.7	1.2-1.8-3.7	2.3-3.4-5.4	1.5-2.4-4.6	2.9-4.3-6.1	2.1-3.0-4.9	3.4-4.7-6.7	2.4-3.7-5.5	4.0-5.1-7.2	2.7-4.3-6.1	4.4-5.4-7.7	3.4-4.6-6.4	4.7-5.8-8.2	3.7-4.9-6.7	
	3A2	L/s/side	22	9	30	12	37	15	44	18	51	21	59	24	67	26	
		Throw (m)	1.9-2.9-5.0	0.8-1.2-2.3	2.6-3.8-5.8	1.0-1.5-3.0	3.2-4.6-6.5	1.3-1.9-3.8	3.8-5.0-7.1	1.5-2.3-4.5	4.4-5.4-7.7	1.8-2.7-4.9	4.7-5.8-8.2	2.0-3.0-5.2	5.0-6.2-8.7	2.3-3.4-5.5	
	2A, 2B	L/s/side	17	20	22	26	28	33	33	40	39	46	44	53	50	60	
		Throw (m)	1.6-2.5-4.6	1.8-2.7-4.9	2.2-3.3-5.3	2.4-3.7-5.5	2.8-4.1-6.0	3.0-4.6-6.4	3.3-4.6-6.5	3.7-4.9-6.7	3.8-5.0-7.1	4.3-5.2-7.3	4.4-5.3-7.6	4.6-5.5-7.9	4.6-5.7-8.0	4.9-5.8-8.5	
	2E, 2F	L/s/side	26		35		44		53		62		71		80		
		Throw (m)	2.1-3.1-5.3		2.8-4.2-6.1		3.5-4.8-6.8		4.2-5.3-7.5		4.7-5.7-8.1		5.0-6.1-8.6		5.3-6.5-9.2		
	1A, 1B	L/s/side	35	17	48	24	59	29	71	35	83	41	95	47	107	52	
		Throw (m)	2.4-3.6-5.7	1.8-2.4-4.6	3.2-4.7-6.6	2.1-3.4-5.5	4.0-5.3-7.4	2.7-4.3-6.1	4.7-5.7-8.1	3.4-4.6-6.7	5.1-6.2-8.8	4.0-5.2-7.3	5.4-6.6-9.4	4.6-5.5-7.6	5.7-7.0-10.0	4.6-5.8-8.2	
L/s/side		53		71		89		106		124		142		160			
Throw (m)		3.0-4.4-6.4		3.9-5.3-7.4		4.8-5.9-8.3		5.3-6.4-9.1		5.7-7.0-9.8		6.1-7.4-10.5		6.4-7.9-11.2			
Duct Size		71		94		118		142		165		189		212			
305 x 150		NC		-		20		26		31		35		38			
Duct Area 0.046 m ²	4B	L/s/side	24	12	32	16	39	20	47	24	55	27	63	32	71	35	
		Throw (m)	2.0-3.0-5.1	1.2-1.8-3.7	2.6-3.9-5.9	1.5-2.4-4.6	3.3-4.7-6.6	2.1-3.0-4.9	3.9-5.1-7.2	2.4-3.7-5.5	4.5-5.5-7.8	2.7-4.3-6.1	4.8-5.9-8.3	3.4-4.6-6.4	5.1-6.3-8.9	3.7-4.9-6.7	
	3A1	L/s/side	30	12	39	16	49	20	59	24	69	27	79	32	89	35	
		Throw (m)	2.2-3.3-5.5	1.2-1.8-3.7	2.9-4.4-6.3	1.5-2.4-4.6	3.7-5.0-7.0	2.1-3.0-4.9	4.4-5.4-7.7	2.4-3.7-5.5	4.8-5.9-8.3	2.7-4.3-6.1	5.1-6.3-8.9	3.4-4.6-6.4	5.5-6.7-9.4	3.7-4.9-6.7	
	3B	L/s/side	35	18	47	24	59	30	71	35	83	42	94	47	106	53	
		Throw (m)	2.4-3.6-5.7	1.8-2.4-4.6	3.2-4.7-6.6	2.1-3.4-5.5	4.0-5.2-7.4	2.7-4.3-6.1	4.7-5.7-8.1	3.4-4.6-6.7	5.1-6.2-8.8	3.0-4.6-6.4	5.4-6.6-9.4	4.6-5.5-7.6	5.7-7.0-9.9	4.6-5.8-8.2	
	2A, 2B	L/s/side	35		47		59		71		83		94		106		
		Throw (m)	2.4-3.6-5.7		3.2-4.7-6.6		4.0-5.2-7.4		4.7-5.7-8.1		5.1-6.2-8.8		5.4-6.6-9.4		5.7-7.0-9.9		
	2E, 2F	L/s/side	48	24	63	31	79	39	95	47	111	55	126	62	143	70	
		Throw (m)	2.8-4.2-6.2	1.8-2.4-4.6	3.7-5.1-7.2	2.1-3.4-5.5	4.7-5.7-8.1	2.7-4.3-6.1	5.1-6.2-8.8	3.4-4.6-6.7	5.5-6.7-9.5	4.0-5.2-7.3	5.9-7.2-10.2	4.6-5.5-7.6	6.2-7.6-10.8	4.6-5.8-8.2	
1A, 1B	L/s/side	71		94		118		142		165		189		212			
	Throw (m)	3.4-4.9-7.0		4.5-5.7-8.1		5.2-6.4-9.0		5.7-7.0-9.9		6.2-7.6-10.7		6.6-8.1-11.4		7.0-8.6-12.1			

For Performance Notes and Return Factors, see end of section.

PERFORMANCE DATA

SMD/AMD – Metric Units

Neck Velocity (m/s)		1.5		2.0		2.5		3.0		3.5		4.0		4.5		
Velocity Pressure (Pa)		1		2		4		6		8		10		13		
Total Pressure (Pa)		9		16		25		35		48		63		80		
Duct Size		142		189		236		283		330		378		425		
610 x 150		-		17		24		29		34		38		42		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.093 m ²	4B	L/s	47	24	63	32	79	39	94	47	110	55	126	63	142	71
		Throw (m)	3.0-4.9-6.7	1.2-1.8-3.7	4.3-5.5-7.6	1.5-2.4-4.6	4.9-6.1-8.5	2.1-3.0-4.9	5.5-6.7-9.4	2.4-3.7-5.5	5.8-7.3-10.4	2.7-4.3-6.1	6.4-7.6-11.0	3.4-4.6-6.4	6.7-8.2-11.6	3.7-4.9-6.7
	3A1	L/s	59	24	79	32	98	39	118	47	138	55	157	63	177	71
		Throw (m)	3.4-4.9-7.0	1.2-1.8-3.7	4.3-5.5-7.9	1.5-2.4-4.6	5.2-6.4-8.8	2.1-3.0-4.9	5.5-6.7-9.8	2.4-3.7-5.5	6.1-7.3-10.4	2.7-4.3-6.1	6.4-7.9-11.3	3.4-4.6-6.4	7.0-8.5-11.9	3.7-4.9-6.7
	2A, 2B	L/s	71		94		118		142		165		189		212	
		Throw (m)	3.4-4.9-7.0		4.5-5.7-8.1		5.2-6.4-9.0		5.7-7.0-9.9		6.2-7.6-10.7		6.6-8.1-11.4		7.0-8.6-12.1	
	2E, 2F	L/s	95	47	126	62	158	78	190	93	221	109	253	125	285	140
		Throw (m)	4.6-5.8-8.2	1.8-2.4-4.6	5.5-6.7-9.4	2.4-3.4-5.5	6.1-7.6-10.7	2.7-4.3-6.1	6.7-8.2-11.6	3.4-4.9-6.7	7.3-8.8-12.5	4.0-5.2-7.3	7.6-9.4-13.4	4.6-5.5-7.6	8.2-10.1-14.3	4.9-5.8-8.2
1A, 1B	L/s	142		189		236		283		330		378		425		
	Throw (m)	4.8-6.0-8.5		5.7-7.0-9.8		6.3-7.8-11.0		7.0-8.5-12.0		7.5-9.2-13.0		8.0-9.8-13.9		8.5-10.4-14.8		
Duct Size		106		142		177		212		248		283		319		
305 x 230		-		16		22		28		33		37		40		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.070 m ²	4B	L/s	35	18	47	24	59	30	71	35	83	42	94	47	106	53
		Throw (m)	2.4-3.6-5.7	1.8-2.7-4.9	3.2-4.7-6.6	2.4-3.7-5.5	4.0-5.2-7.4	3.0-4.6-6.4	4.7-5.7-8.1	3.7-4.9-6.7	5.1-6.2-8.8	4.3-5.2-7.3	5.4-6.6-9.4	4.6-5.5-7.9	5.7-7.0-9.9	4.9-5.8-8.5
	3A1	L/s	44	18	59	24	74	30	89	35	103	42	118	47	133	53
		Throw (m)	2.7-4.0-6.1	1.8-4.9-2.7	3.6-5.0-7.1	2.4-3.7-5.5	4.5-5.6-7.9	3.0-4.6-6.4	5.0-6.1-8.7	3.7-4.9-6.7	5.4-6.6-9.3	4.3-5.2-7.3	5.8-7.1-10.0	4.6-5.5-7.9	6.1-7.5-10.6	4.9-5.8-8.5
	3A2	L/s	33	40	44	53	55	67	67	80	77	93	89	106	100	119
		Throw (m)	2.3-3.5-5.6	2.3-3.5-5.6	3.1-4.6-6.5	3.1-4.6-6.5	3.9-5.1-7.3	3.9-5.1-7.3	4.6-5.6-8.0	4.6-5.6-8.0	5.0-6.1-8.6	5.0-6.1-8.6	5.3-6.5-9.2	5.3-6.5-9.2	5.6-6.9-9.8	5.6-6.9-9.8
	2A, 2B	L/s	53		71		89		106		124		142		160	
		Throw (m)	3.0-4.4-6.4		3.9-5.3-7.4		4.8-5.9-8.3		5.3-6.4-9.1		5.7-7.0-9.8		6.1-7.4-10.5		6.4-7.9-11.2	
2E, 2F	L/s	71	35	95	47	118	59	143	70	166	82	190	93	213	105	
	Throw (m)	3.4-5.0-7.0	2.4-4.0-5.8	4.6-5.7-8.1	3.4-4.9-6.7	5.2-6.4-9.0	4.3-5.5-7.6	5.7-7.0-9.9	4.9-6.1-8.5	6.2-7.6-10.7	5.2-6.4-9.1	6.6-8.1-11.4	5.5-7.0-9.8	7.0-8.6-12.1	6.1-7.3-10.4	
1A, 1B	L/s	106		142		177		212		248		283		319		
	Throw (m)	4.2-5.5-7.8		5.2-6.4-9.1		5.8-7.2-10.1		6.4-7.8-11.1		6.9-8.5-12.0		7.4-9.1-12.8		7.8-9.6-13.6		
Duct Size		133		177		221		266		310		354		398		
380 x 230		-		17		24		29		34		38		41		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.087 m ²	4B	L/s	44	22	59	30	74	37	89	44	103	51	118	59	133	67
		Throw (m)	2.7-4.0-6.1	1.8-2.7-4.9	3.6-5.0-7.1	2.4-3.7-5.5	4.5-5.6-7.9	3.0-4.6-6.4	5.0-6.1-8.7	3.7-4.9-6.7	5.4-6.6-9.3	4.3-5.2-7.3	5.8-7.1-10.0	4.6-5.5-7.9	6.1-7.5-10.6	4.9-6.1-8.5
	3A1	L/s	55	22	74	30	92	37	110	44	129	51	148	59	166	67
		Throw (m)	3.0-4.5-6.5	1.8-2.7-4.9	4.0-5.3-7.5	2.4-3.7-5.5	4.9-5.9-8.4	3.0-4.6-6.4	5.3-6.5-9.2	3.7-4.9-6.7	5.7-7.0-10.0	4.3-5.2-7.3	6.1-7.5-10.6	4.6-5.5-7.9	6.5-8.0-11.3	4.9-6.1-8.5
	3A2	L/s	42	50	55	67	69	83	83	100	97	116	110	133	125	149
		Throw (m)	2.6-3.9-6.0	3.1-4.6-6.6	3.5-4.9-6.9	4.2-5.4-7.6	4.3-5.5-7.7	4.9-6.0-8.5	4.9-6.0-8.5	5.4-6.6-9.3	5.3-6.5-9.2	5.8-7.1-10.0	5.7-6.9-9.8	6.2-7.6-10.7	6.0-7.4-10.4	6.6-8.0-11.4
	2A, 2B	L/s	67		89		110		133		155		177		199	
		Throw (m)	3.3-4.9-6.9		4.4-5.6-7.9		5.1-6.3-8.9		5.6-6.9-9.7		6.1-7.4-10.5		6.5-7.9-11.2		6.9-8.4-11.9	
2E, 2F	L/s	89	44	118	59	148	73	178	88	208	102	237	117	267	131	
	Throw (m)	3.8-5.3-7.5	2.4-4.0-5.8	5.0-6.1-8.6	3.4-4.9-6.7	5.6-6.8-9.6	4.3-5.5-7.6	6.1-7.5-10.6	4.9-5.8-8.5	6.6-8.1-11.4	5.2-6.4-9.1	7.0-8.6-12.2	5.5-6.7-9.8	7.5-9.1-12.9	5.8-7.3-10.4	
1A, 1B	L/s	133		177		221		266		310		354		398		
	Throw (m)	4.7-5.9-8.4		5.6-6.8-9.7		6.2-7.6-10.8		6.8-8.4-11.8		7.4-9.0-12.8		7.9-9.7-13.7		8.4-10.2-14.5		
Duct Size		159		212		266		319		372		425		478		
455 x 230		-		18		25		30		35		39		42		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.105 m ²	4B	L/s	53	26	71	35	89	44	106	53	124	62	142	71	160	80
		Throw (m)	3.0-4.4-6.4	1.8-2.7-4.9	3.9-5.3-7.4	2.4-3.7-5.8	4.8-5.9-8.3	3.0-4.6-6.4	5.3-6.4-9.1	3.7-4.9-6.7	5.7-7.0-9.8	4.3-5.2-7.6	6.1-7.4-10.5	4.6-5.5-7.9	6.4-7.9-11.2	4.9-6.1-8.5
	3A1	L/s	67	26	89	35	110	44	133	53	155	62	177	71	199	80
		Throw (m)	3.3-4.9-6.9	1.8-2.7-4.9	4.4-5.6-7.9	2.4-3.7-5.8	5.1-6.3-8.9	3.0-4.6-6.4	5.6-6.9-9.7	3.7-4.9-6.7	6.1-7.4-10.5	4.3-5.2-7.6	6.5-7.9-11.2	4.6-5.8-7.9	6.9-8.4-11.9	4.9-6.1-8.5
	3B	L/s	80	40	106	53	133	67	160	80	186	93	212	106	239	119
		Throw (m)	3.6-5.1-7.2	2.4-4.0-5.8	4.8-5.9-8.3	3.4-4.9-6.7	5.4-6.6-9.3	4.3-5.5-7.6	5.9-7.2-10.2	4.9-5.8-8.5	6.4-7.8-11.0	5.2-6.4-9.1	6.8-8.3-11.8	5.5-6.7-9.8	7.2-8.9-12.5	5.8-7.3-10.4
	2A, 2B	L/s	80		106		133		160		186		212		239	
		Throw (m)	3.6-5.1-7.2		4.8-5.9-8.3		5.4-6.6-9.3		5.9-7.2-10.2		6.4-7.8-11.0		6.8-8.3-11.8		7.2-8.9-12.5	
2E, 2F	L/s	107	52	143	70	178	88	213	105	249	123	285	140	320	158	
	Throw (m)	4.2-5.6-7.9	2.4-4.0-5.8	5.2-6.4-9.1	3.4-4.9-6.7	5.9-7.2-10.1	4.3-5.5-7.6	6.4-7.9-11.1	4.9-5.8-8.5	6.9-8.5-12.0	5.2-6.4-9.1	7.4-9.1-12.8	5.5-6.7-9.8	7.9-9.6-13.6	5.8-7.3-10.4	
1A, 1B	L/s	160		212		266		319		372		425		478		
	Throw (m)	5.1-6.2-8.8		5.9-7.2-10.2		6.6-8.0-11.4		7.2-8.8-12.5		7.8-9.5-13.5		8.3-10.2-14.4		8.8-10.8-15.3		
Duct Size		186		248		310		372		434		496		558		
535 x 230		-		19		25		31		36		40		43		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.122 m ²	4B	L/s	62	31	83	42	103	51	124	62	144	72	165	83	186	93
		Throw (m)	3.2-4.8-6.7	1.8-2.7-4.9	4.3-5.5-7.8	2.4-3.7-5.8	5.0-6.1-8.7	3.0-4.3-6.1	5.5-6.7-9.5	3.7-4.9-6.7	5.9-7.3-10.3	4.3-5.2-7.3	6.3-7.8-11.0	4.6-5.5-7.9	6.7-8.2-11.7	4.9-5.8-8.2
	3A1	L/s	77	31	103	42	129	51	155	62	181	72	207	83	232	93
		Throw (m)	3.6-5.1-7.2	1.8-2.7-4.9	4.8-5.9-8.3	2.4-3.7-5.5	5.3-6.5-9.3	3.0-4.3-6.1	5.9-7.2-10.1	3.7-4.9-6.7	6.3-7.7-11.0	4.3-5.2-7.3	6.8-8.3-11.7	4.6-5.5-7.9	7.2-8.8-12.4	4.9-5.8-8.2
	2A, 2B	L/s	93		124		155		186		217		248		279	
		Throw (m)	3.9-5.3-7.6		5.0-6.2-8.7		5.6-6.9-9.8		6.2-7.6-10.7		6.7-8.2-11.5		7.1-8.7-12.3		7.6-9.3-13.1	
	2E, 2F	L/s	125	61	166	82	208	102	249	123	291	143	332	164	373	184
		Throw (m)	4.5-5.8-8.2	2.4-4.0-6.1	5.5-6.7-9.5	3.4-4.9-7.0	6.1-7.5-10.6	4.3-5.5-7.6	6.7-8.2-11.6	4.9-6.1-8.5	7.2-8.9-12.5	5.2-6.4-9.1	7.7-9.5-13.4	5.5-7.0-9.8	8.2-10.1-14.2	6.1-7.3-10.4
1A, 1B	L/s	186		248		310		372		434		496		557		
	Throw (m)	5.3-6.5-9.2		6.1-7.5-10.6		6.9-8.4-11.9		7.5-9.2-13.0		8.1-9.9-14.1		8.7-10.6-15.0		9.2-11.3-15.9		

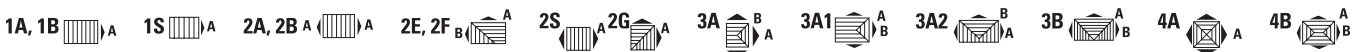
PERFORMANCE DATA

SMD/AMD – Metric Units

Neck Velocity (m/s)		1.5		2.0		2.5		3.0		3.5		4.0		4.5		
Velocity Pressure (Pa)		1		2		4		6		8		10		13		
Total Pressure (Pa)		9		16		25		35		48		63		80		
Duct Size 610 x 230	L/s	212		283		354		425		496		566		637		
	NC	-		19		26		32		36		40		44		
Duct Area 0.139 m ²	4B	L/s/side	71	35	94	47	118	59	142	71	165	83	189	94	212	106
		Throw (m)	3.4-4.9-7.0	1.8-2.7-4.0	4.5-5.7-8.1	2.4-3.7-5.8	5.2-6.4-9.0	3.0-4.6-6.4	5.7-7.0-9.9	3.7-4.9-7.0	6.2-7.6-10.7	4.3-5.2-7.6	6.6-8.1-11.4	4.6-5.8-7.9	7.0-8.6-12.1	4.9-6.1-8.5
	3A1	L/s/side	89	35	118	47	148	59	177	71	207	83	236	94	266	106
		Throw (m)	3.8-5.3-7.5	1.8-2.7-4.0	5.0-6.1-8.6	2.4-3.7-5.8	5.6-6.8-9.6	3.0-4.6-6.4	6.1-7.5-10.5	3.7-4.9-7.0	6.6-8.1-11.4	4.3-5.2-7.6	7.0-8.6-12.2	4.6-5.8-7.9	7.5-9.1-12.9	4.9-6.1-8.5
	2A, 2B	L/s/side	106		142		177		212		248		283		319	
		Throw (m)	4.2-5.5-7.8		5.2-6.4-9.1		5.8-7.2-10.1		6.4-7.8-11.1		6.9-8.5-12.0		7.4-9.1-12.8		7.8-9.6-13.6	
	2E, 2F	L/s/side	143	70	190	93	237	117	285	140	332	164	379	187	427	211
		Throw (m)	4.8-6.0-8.5	2.4-3.7-5.8	5.7-7.0-9.9	3.4-4.9-6.7	6.4-7.8-11.0	4.3-5.5-7.6	7.0-8.5-12.1	4.9-5.8-8.2	7.5-9.2-13.0	5.2-6.4-9.1	8.0-9.9-13.9	5.5-6.7-9.8	8.5-10.5-14.8	5.8-7.3-10.4
	1A, 1B	L/s/side	212		283		354		425		496		566		637	
		Throw (m)	5.5-6.8-9.6		6.4-7.8-11.0		7.1-8.7-12.3		7.8-9.6-13.5		8.4-10.3-14.6		9.0-11.0-15.6		9.6-11.7-16.6	
Duct Size 380 x 305	L/s	177		236		295		354		413		472		531		
	NC	-		18		25		31		35		39		43		
Duct Area 0.116 m ²	4B	L/s/side	59	30	79	39	98	49	118	59	138	69	157	79	177	89
		Throw (m)	3.1-4.7-6.6	2.4-3.7-5.8	4.2-5.4-7.7	3.4-4.6-6.7	4.9-6.1-8.6	4.0-5.2-7.3	5.4-6.6-9.4	4.6-5.8-8.2	5.9-7.2-10.1	5.2-6.1-8.8	6.3-7.7-10.8	5.5-6.7-9.4	6.6-8.1-11.5	5.8-7.0-10.1
	3A1	L/s/side	74	30	98	39	123	49	148	59	172	69	197	79	221	89
		Throw (m)	3.5-5.0-7.1	2.4-3.7-5.8	4.6-5.8-8.2	3.4-4.6-6.7	5.3-6.5-9.1	4.0-5.2-7.3	5.8-7.1-10.0	4.6-5.8-8.2	6.2-7.6-10.8	5.2-6.1-8.8	6.7-8.2-11.6	5.5-6.7-9.4	7.1-8.7-12.3	5.8-7.0-10.1
	3A2	L/s/side	55	67	74	89	92	110	110	133	129	155	148	177	166	199
		Throw (m)	3.0-4.5-6.5	3.0-4.6-6.4	4.0-5.3-7.5	4.0-5.2-7.6	4.9-5.9-8.4	4.9-6.1-8.5	5.3-6.5-9.2	5.2-6.4-9.1	5.7-7.0-10.0	5.8-7.0-10.1	6.1-7.5-10.6	6.1-7.6-10.7	6.5-8.0-11.3	6.4-7.9-11.3
	2A, 2B	L/s/side	89		118		148		177		207		236		266	
		Throw (m)	3.8-5.3-7.5		5.0-6.1-8.6		5.6-6.8-9.6		6.1-7.5-10.5		6.6-8.1-11.4		7.0-8.6-12.2		7.5-9.1-12.9	
	2E, 2F	L/s/side	118	59	158	78	198	97	237	117	277	136	316	156	356	175
		Throw (m)	4.4-5.7-8.1	3.4-4.9-7.0	5.4-6.6-9.4	4.6-5.8-7.0	6.0-7.4-10.5	5.2-6.4-9.1	6.6-8.1-11.5	5.8-7.0-9.8	7.1-8.7-12.4	6.1-7.6-10.7	7.6-9.4-13.2	6.7-7.9-11.3	8.1-9.9-14.0	7.0-8.5-12.2
1A, 1B	L/s/side	177		236		295		354		413		472		531		
	Throw (m)	5.2-6.4-9.1		6.1-7.4-10.5		6.8-8.3-11.7		7.4-9.1-12.8		8.0-9.8-13.9		8.6-10.5-14.8		9.1-11.1-15.7		
Duct Size 535 x 305	L/s	248		330		413		496		578		661		743		
	NC	-		20		27		32		37		41		45		
Duct Area 0.163 m ²	4B	L/s/side	83	42	110	55	138	69	165	83	193	96	220	110	248	124
		Throw (m)	3.7-5.2-7.3	2.4-3.7-5.8	4.9-6.0-8.4	3.4-4.6-6.7	5.4-6.7-9.4	4.0-5.2-7.3	6.0-7.3-10.3	4.6-5.8-8.2	6.4-7.9-11.2	5.2-6.1-8.8	6.9-8.4-11.9	5.5-6.7-9.4	7.3-8.9-12.7	5.8-7.0-10.1
	3A1	L/s/side	103	42	138	55	172	69	207	83	241	96	275	110	310	124
		Throw (m)	4.1-5.5-7.8	2.4-3.7-5.8	5.2-6.4-9.0	3.4-4.6-6.7	5.8-7.1-10.1	4.0-5.2-7.3	6.4-7.8-11.0	4.6-5.8-8.2	6.9-8.4-11.9	5.2-6.1-8.8	7.3-9.0-12.7	5.5-6.7-9.4	7.8-9.5-13.5	5.8-7.0-10.1
	3A2	L/s/side	77	93	103	124	129	155	155	186	181	217	207	248	232	279
		Throw (m)	3.6-5.1-7.2	4.3-5.5-7.9	4.8-5.9-8.3	5.2-6.4-9.1	5.3-6.5-9.3	5.8-7.3-10.1	5.9-7.2-10.1	6.4-7.9-11.3	6.3-7.7-11.0	7.0-8.5-11.9	6.8-8.3-11.7	7.3-9.1-12.8	7.2-8.8-12.4	7.9-9.8-13.7
	2A, 2B	L/s/side	124		165		207		248		289		330		372	
		Throw (m)	4.5-5.8-8.2		5.5-6.7-9.5		6.1-7.5-10.6		6.7-8.2-11.6		7.2-8.9-12.5		7.7-9.5-13.4		8.2-10.0-14.2	
	2E, 2F	L/s/side	166	82	221	109	277	136	332	164	388	191	443	218	498	245
		Throw (m)	5.1-6.3-8.9	3.4-4.9-7.0	5.9-7.3-10.3	4.6-5.8-7.9	6.6-8.1-11.5	5.2-6.4-9.1	7.3-8.9-12.6	5.8-7.0-9.8	7.9-9.6-13.6	6.1-7.6-10.7	8.4-10.3-14.6	6.7-7.9-11.3	8.9-10.9-15.4	7.0-8.5-12.2
1A, 1B	L/s/side	248		330		413		496		578		661		743		
	Throw (m)	5.8-7.1-10.0		6.7-8.2-11.5		7.4-9.1-12.9		8.2-10.0-14.1		8.8-10.8-15.3		9.4-11.5-16.3		10.0-12.2-17.3		

For Performance Notes and Return Factors, see end of section.

Core Style Legend



SMD/AMD

Modular Louvered Face Diffuser

PERFORMANCE DATA

SMD/AMD – Metric Units

Neck Velocity (m/s)		1.5		2.0		2.5		3.0		3.5		4.0		4.5		
Velocity Pressure (Pa)		1		2		4		6		8		10		13		
Total Pressure (Pa)		9		16		25		35		48		63		80		
Duct Size	L/s NC	283		378		472		566		661		755		850		
610 x 305	NC	-		21		28		33		38		42		45		
Duct Area 0.186 m ²	4B	L/s/side	94	47	126	63	157	79	189	94	220	110	252	126	283	142
		Throw (m)	3.9-5.4-7.6	2.4-3.7-5.8	5.1-6.2-8.8	3.0-4.6-6.7	5.7-6.9-9.8	4.0-5.2-7.3	6.2-7.6-10.7	4.6-5.8-7.9	6.7-8.2-11.6	4.9-6.1-8.8	7.2-8.8-12.4	5.5-6.7-9.1	7.6-9.3-13.1	5.8-7.0-9.8
	3A1	L/s/side	118	47	157	63	197	79	236	94	275	110	315	126	354	142
		Throw (m)	4.4-5.7-8.1	2.4-3.7-5.8	5.4-6.6-9.3	3.0-4.6-6.7	6.0-7.4-10.4	4.0-5.2-7.3	6.6-8.1-11.4	4.6-5.8-7.9	7.1-8.7-12.4	4.9-6.1-8.8	7.6-9.3-13.2	5.5-6.7-9.1	8.1-9.9-14.0	5.8-7.0-9.8
	3B	L/s/side	142	71	189	94	236	118	283	142	330	165	378	189	425	212
		Throw (m)	4.8-6.0-8.5	3.4-4.9-7.0	5.7-7.0-9.8	4.6-5.8-7.9	6.3-7.8-11.0	5.2-6.4-9.1	7.0-8.5-12.0	5.8-7.0-9.8	7.5-9.2-13.0	6.1-7.6-10.7	8.0-9.8-13.9	6.7-7.9-11.3	8.5-10.4-14.8	7.0-8.5-12.2
	2A, 2B	L/s/side	142	44	189	44	236	44	283	44	330	44	378	44	425	44
		Throw (m)	4.8-6.0-8.5	3.4-4.9-7.0	5.7-7.0-9.8	3.0-4.6-6.7	6.3-7.8-11.0	3.0-4.6-6.7	7.0-8.5-12.0	3.0-4.6-6.7	7.5-9.2-13.0	3.0-4.6-6.7	8.0-9.8-13.9	3.0-4.6-6.7	8.5-10.4-14.8	3.0-4.6-6.7
	2E, 2F	L/s/side	190	93	253	125	316	156	379	187	443	218	506	249	569	280
		Throw (m)	5.3-6.5-9.3	3.4-4.9-7.0	6.2-7.6-10.7	4.6-5.8-7.9	6.9-8.5-12.0	5.2-6.4-9.1	7.6-9.3-13.1	5.8-7.0-9.8	8.2-10.0-14.1	6.1-7.6-10.7	8.7-10.7-15.1	6.7-7.9-11.3	9.3-11.3-16.0	7.0-8.5-12.2
	1A, 1B	L/s/side	283	44	378	44	472	44	566	44	661	44	755	44	850	44
		Throw (m)	6.0-7.3-10.4	3.4-4.9-7.0	6.9-8.5-12.0	3.0-4.6-6.7	7.7-9.5-13.4	3.0-4.6-6.7	8.5-10.4-14.7	3.0-4.6-6.7	9.2-11.2-15.9	3.0-4.6-6.7	9.8-12.0-16.9	3.0-4.6-6.7	10.4-12.7-18.0	3.0-4.6-6.7
Duct Size	L/s NC	266		354		443		531		620		708		797		
455 x 380	NC	-		20		27		33		37		41		45		
Duct Area 0.175 m ²	4B	L/s/side	89	44	118	59	148	74	177	89	207	103	236	118	266	133
		Throw (m)	3.8-5.3-7.5	3.0-4.6-6.4	5.0-6.1-8.6	4.0-5.2-7.6	5.6-6.8-9.6	4.9-5.8-8.5	6.1-7.5-10.5	5.2-6.4-9.1	6.6-8.1-11.4	5.8-7.0-10.1	7.0-8.6-12.2	6.1-7.6-10.7	7.5-9.1-12.9	6.4-7.9-11.3
	3A1	L/s/side	110	44	148	59	185	74	221	89	258	103	295	118	332	133
		Throw (m)	4.3-5.6-7.9	3.0-4.6-6.4	5.3-6.5-9.2	4.0-5.2-7.6	5.9-7.3-10.3	4.9-5.8-8.5	6.5-7.9-11.2	5.2-6.4-9.1	7.0-8.6-12.1	5.8-7.0-10.1	7.5-9.2-13.0	6.1-7.6-10.7	7.9-9.7-13.8	6.4-7.9-11.3
	3A2	L/s/side	83	100	110	133	138	166	166	199	194	232	221	266	249	299
		Throw (m)	3.7-5.2-7.3	3.7-5.2-7.3	4.9-6.0-8.4	4.9-5.8-8.2	5.5-6.7-9.4	5.5-6.7-9.4	6.0-7.3-10.3	5.8-7.3-10.4	6.5-7.9-11.2	6.4-7.9-11.0	6.9-8.4-11.9	6.7-8.2-11.9	7.3-9.0-12.7	7.3-8.8-12.5
	2A, 2B	L/s/side	133	44	177	44	221	44	266	44	310	44	354	44	398	44
		Throw (m)	4.7-5.9-8.4	3.4-4.9-7.0	5.6-6.8-9.7	3.0-4.6-6.7	6.2-7.6-10.8	3.0-4.6-6.7	6.8-8.4-11.8	3.0-4.6-6.7	7.4-9.0-12.8	3.0-4.6-6.7	7.9-9.7-13.7	3.0-4.6-6.7	8.4-10.2-14.5	3.0-4.6-6.7
	2E, 2F	L/s/side	178	88	237	117	296	146	356	175	415	204	474	234	534	263
		Throw (m)	5.2-6.4-9.1	4.3-5.5-7.9	6.1-7.4-10.5	5.2-6.4-9.1	6.8-8.3-11.7	5.8-7.3-10.4	7.4-9.1-12.9	6.4-7.9-11.3	8.0-9.8-13.9	7.0-8.5-12.2	8.6-10.5-14.8	7.3-9.1-12.8	9.1-11.1-15.7	7.9-9.8-13.7
	1A, 1B	L/s/side	266	44	354	44	443	44	531	44	620	44	708	44	797	44
		Throw (m)	5.9-7.2-10.2	3.4-4.9-7.0	6.8-8.3-11.8	3.0-4.6-6.7	7.6-9.3-13.2	3.0-4.6-6.7	8.3-10.2-14.4	3.0-4.6-6.7	9.0-11.0-15.6	3.0-4.6-6.7	9.6-11.8-16.6	3.0-4.6-6.7	10.2-12.5-17.7	3.0-4.6-6.7
Duct Size	L/s NC	310		413		516		620		723		826		929		
535 x 380	NC	-		21		28		34		38		42		46		
Duct Area 0.203 m ²	4B	L/s/side	103	51	138	69	172	86	207	103	241	120	275	138	310	155
		Throw (m)	4.1-5.5-7.8	3.0-4.6-6.4	5.2-6.4-9.0	4.0-5.2-7.6	5.8-7.1-10.1	4.9-5.8-8.5	6.4-7.8-11.0	5.2-6.4-9.1	6.9-8.4-11.9	5.8-7.0-10.1	7.3-9.0-12.7	6.1-7.6-10.7	7.8-9.5-13.5	6.4-7.9-11.3
	3A1	L/s/side	129	51	172	69	215	86	258	103	301	120	344	138	387	155
		Throw (m)	4.6-5.9-8.3	3.0-4.6-6.4	5.5-6.8-9.6	4.0-5.2-7.6	6.2-7.6-10.7	4.9-5.8-8.5	6.8-8.3-11.7	5.2-6.4-9.1	7.3-9.0-12.7	5.8-7.0-10.1	7.8-9.6-13.5	6.1-7.6-10.7	8.3-10.2-14.4	6.4-7.9-11.3
	3A2	L/s/side	97	116	129	155	161	194	194	232	226	271	258	310	290	348
		Throw (m)	4.0-5.4-7.6	4.3-5.5-7.9	5.1-6.2-8.8	5.2-6.4-9.1	5.7-7.0-9.9	5.8-7.3-10.1	6.2-7.6-10.8	6.4-7.9-11.3	6.7-8.3-11.7	7.0-8.5-12.2	7.2-8.8-12.5	7.3-9.1-12.8	7.6-9.4-13.2	7.9-9.8-13.7
	2A, 2B	L/s/side	155	44	207	44	258	44	310	44	362	44	413	44	464	44
		Throw (m)	5.0-6.2-8.7	3.4-4.9-7.0	5.8-7.1-10.1	3.0-4.6-6.7	6.5-8.0-11.3	3.0-4.6-6.7	7.1-8.7-12.4	3.0-4.6-6.7	7.7-9.4-13.4	3.0-4.6-6.7	8.2-10.1-14.3	3.0-4.6-6.7	8.7-10.7-15.1	3.0-4.6-6.7
	2E, 2F	L/s/side	208	102	277	136	346	170	415	204	484	238	554	273	623	307
		Throw (m)	5.5-6.7-9.5	4.3-5.5-7.9	6.3-7.8-11.0	5.2-6.4-9.1	7.1-8.7-12.3	5.8-7.3-10.1	7.8-9.5-13.4	6.4-7.9-11.3	8.4-10.3-14.5	7.0-8.5-12.2	9.0-11.0-15.5	7.3-9.1-12.8	9.5-11.6-16.5	7.9-9.8-13.7
	1A, 1B	L/s/side	310	44	413	44	516	44	620	44	723	44	826	44	929	44
		Throw (m)	6.1-7.5-10.6	3.4-4.9-7.0	7.1-8.7-12.3	3.0-4.6-6.7	7.9-9.7-13.7	3.0-4.6-6.7	8.7-10.6-15.1	3.0-4.6-6.7	9.4-11.5-16.3	3.0-4.6-6.7	10.0-12.3-17.4	3.0-4.6-6.7	10.6-13.0-18.4	3.0-4.6-6.7
Duct Size	L/s NC	354		472		590		708		826		944		1062		
610 x 380	NC	-		22		29		34		39		43		47		
Duct Area 0.232 m ²	4B	L/s/side	118	59	157	79	197	98	236	118	275	138	315	157	354	177
		Throw (m)	4.4-5.7-8.1	3.0-4.6-6.4	5.4-6.6-9.3	4.0-5.2-7.6	6.0-7.4-10.4	4.9-5.8-8.2	6.6-8.1-11.4	5.2-6.4-9.1	7.1-8.7-12.4	5.8-7.0-9.8	7.6-9.3-13.2	6.1-7.6-10.7	8.1-9.9-14.0	6.4-7.9-11.3
	3A1	L/s/side	148	59	197	79	246	98	295	118	344	138	393	157	443	177
		Throw (m)	4.9-6.1-8.6	3.0-4.6-6.4	5.7-7.0-10.0	4.0-5.2-7.6	6.4-7.9-11.1	4.9-5.8-8.2	7.0-8.6-12.2	5.2-6.4-9.1	7.6-9.3-13.2	5.8-7.0-9.8	8.1-10.0-14.1	6.1-7.6-10.7	8.6-10.6-14.9	6.4-7.9-11.3
	3A2	L/s/side	110	133	148	177	185	221	221	266	258	310	295	354	332	398
		Throw (m)	4.3-5.6-7.9	4.3-5.5-7.9	5.3-6.5-9.2	5.8-7.0-9.8	5.9-7.3-10.3	6.4-7.9-11.0	6.5-7.9-11.2	7.0-8.5-12.2	7.0-8.6-12.1	7.6-9.1-13.1	7.5-9.2-13.0	7.9-9.8-14.0	7.9-9.7-13.8	8.5-10.4-14.6
	2A, 2B	L/s/side	177	44	236	44	295	44	354	44	413	44	472	44	531	44
		Throw (m)	5.2-6.4-9.1	3.4-4.9-7.0	6.1-7.4-10.5	3.0-4.6-6.7	6.8-8.3-11.7	3.0-4.6-6.7	7.4-9.1-12.8	3.0-4.6-6.7	8.0-9.8-13.9	3.0-4.6-6.7	8.6-10.5-14.8	3.0-4.6-6.7	9.1-11.1-15.7	3.0-4.6-6.7
	2E, 2F	L/s/side	237	117	316	156	396	195	474	234	554	273	632	312	712	351
		Throw (m)	5.7-7.0-9.9	4.3-5.5-7.9	6.6-8.1-11.4	5.2-6.4-9.1	7.4-9.0-12.7	5.8-7.3-10.4	8.1-9.9-14.0	6.4-7.9-11.3	8.7-10.7-15.1	7.0-8.5-12.2	9.3-11.4-16.1	7.6-9.1-13.1	9.9-12.1-17.1	7.9-9.8-13.7
	1A, 1B	L/s/side	354	44	472	44	590	44	708	44	826	44	944	44	1062	44
		Throw (m)	6.4-7.8-11.1	3.4-4.9-7.0	7.4-9.0-12.8	3.0-4.6-6.7	8.2-10.1-14.3	3.0-4.6-6.7	9.0-11.1-15.6	3.0-4.6-6.7	9.8-11.9-16.9	3.0-4.6-6.7	10.4-12.8-18.1	3.0-4.6-6.7	11.1-13.5-19.2	3.0-4.6-6.7

For Performance Notes and Return Factors, see end of section.

Core Style Legend



SMD/AMD

Modular Louvered Face Diffuser

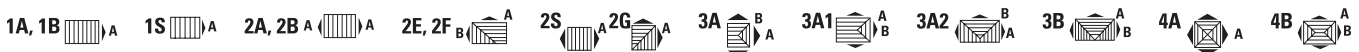
PERFORMANCE DATA

SMD/AMD – Metric Units

Neck Velocity (m/s)		1.5		2.0		2.5		3.0		3.5		4.0		4.5	
Velocity Pressure (Pa)		1		2		4		6		8		10		13	
Total Pressure (Pa)		9		16		25		35		48		63		80	
Duct Size		372		496		620		743		867		991		1115	
535 x 455		NC		NC		29		35		39		43		47	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B
		4B	L/s/side	124	62	165	83	207	103	248	124	289	144	330	165
	Throw (m)	4.5-5.8-8.2	3.7-5.2-7.3	5.5-6.7-9.5	4.9-5.8-8.5	6.1-7.5-10.6	5.5-6.7-9.4	6.7-8.2-11.6	5.8-7.3-10.4	7.2-8.9-12.5	6.4-7.9-11.0	7.7-9.5-13.4	6.7-8.5-11.9	8.2-10.0-14.2	7.3-8.8-12.5
3A1	L/s/side	155	62	207	83	258	103	310	124	362	144	413	165	464	186
	Throw (m)	5.0-6.2-8.7	3.7-5.2-7.3	5.8-7.1-10.1	4.9-5.8-8.5	6.5-8.0-11.3	5.5-6.7-9.4	7.1-8.7-12.4	5.8-7.3-10.4	7.7-9.4-13.4	6.4-7.9-11.0	8.2-10.1-14.3	6.7-8.5-11.9	8.7-10.7-15.1	7.3-8.8-12.5
3A2	L/s/side	116	139	155	186	194	232	232	279	271	325	310	372	348	418
	Throw (m)	4.4-5.7-8.1	4.3-5.5-7.9	5.4-6.6-9.3	5.2-6.4-9.1	6.0-7.3-10.4	5.8-7.3-10.1	6.6-8.1-11.4	6.4-7.9-11.3	7.1-8.7-12.3	7.0-8.5-12.2	7.6-9.3-13.1	7.3-9.1-12.8	8.1-9.9-13.9	7.9-9.8-13.7
2A, 2B	L/s/side	186		248		310		372		434		496		557	
	Throw (m)	5.3-6.5-9.2		6.1-7.5-10.6		6.9-8.4-11.9		7.5-9.2-13.0		8.1-9.9-14.1		8.7-10.6-15.0		9.2-11.3-15.9	
2E, 2F	L/s/side	249	123	332	164	415	204	498	245	581	286	664	327	747	368
	Throw (m)	5.8-7.1-10.0	5.2-6.1-8.8	6.7-8.2-11.6	5.8-7.3-10.1	7.5-9.1-12.9	6.4-7.9-11.3	8.2-10.0-14.1	7.3-8.8-12.5	8.8-10.8-15.3	7.9-9.4-13.4	9.4-11.6-16.3	8.2-10.1-14.3	10.0-12.3-17.3	8.8-10.7-15.2
1A, 1B	L/s/side	372		496		620		743		868		991		1115	
	Throw (m)	6.5-7.9-11.2		7.5-9.2-13.0		8.4-10.2-14.5		9.2-11.2-15.9		9.9-12.1-17.1		10.6-13.0-18.3		11.2-13.7-19.4	
Duct Size		425		566		708		850		991		1133		1274	
610 x 455		NC		23		30		35		40		44		48	
4B	L/s/side	142	71	189	94	236	118	283	142	330	165	378	189	425	212
	Throw (m)	4.8-6.0-8.5	3.7-5.2-7.3	5.7-7.0-9.8	4.9-5.8-8.2	6.3-7.8-11.0	5.5-6.7-9.4	7.0-8.5-12.0	5.8-7.3-10.1	7.5-9.2-13.0	6.4-7.9-11.0	8.0-9.8-13.9	6.7-8.2-11.9	8.5-10.4-14.8	7.3-8.8-12.5
3A1	L/s/side	177	71	236	94	295	118	354	142	413	165	472	189	531	212
	Throw (m)	5.2-6.4-9.1	3.7-5.2-7.3	6.1-7.4-10.5	4.9-5.8-8.2	6.8-8.3-11.7	5.5-6.7-9.4	7.4-9.1-12.8	5.8-7.3-10.1	8.0-9.8-13.9	6.4-7.9-11.0	8.6-10.5-14.8	6.7-8.2-11.9	9.1-11.1-15.7	7.3-8.8-12.5
3A2	L/s/side	133	160	177	212	221	266	266	319	310	372	354	425	398	478
	Throw (m)	4.7-5.9-8.4	4.7-5.9-8.4	5.6-6.8-9.7	5.6-6.8-9.7	6.2-7.6-10.8	6.2-7.6-10.8	6.8-8.4-11.8	6.8-8.4-11.8	7.4-9.0-12.8	7.4-9.0-12.8	7.9-9.7-13.7	7.9-9.7-13.7	8.4-10.2-14.5	8.4-10.2-14.5
2A, 2B	L/s/side	212		283		354		425		496		566		637	
	Throw (m)	5.5-6.8-9.6		6.4-7.8-11.0		7.1-8.7-12.3		7.8-9.6-13.5		8.4-10.3-14.6		9.0-11.0-15.6		9.6-11.7-16.6	
2E, 2F	L/s/side	285	140	379	187	474	234	569	280	664	327	759	374	854	421
	Throw (m)	6.0-7.3-10.4	5.2-6.1-8.8	6.9-8.5-12.0	5.8-7.3-10.1	7.7-9.5-13.4	6.4-7.9-11.3	8.5-10.4-14.7	7.3-8.8-12.5	9.2-11.2-15.9	7.6-9.4-13.4	9.8-12.0-17.0	8.2-10.1-14.3	10.4-12.7-18.0	8.8-10.7-15.2
1A, 1B	L/s/side	425		566		708		850		991		1133		1274	
	Throw (m)	6.7-8.2-11.7		7.8-9.5-13.5		8.7-10.6-15.0		9.5-11.7-16.5		10.3-12.6-17.8		11.0-13.5-19.0		11.7-14.3-20.2	
Duct Size		496		661		826		991		1156		1322		1487	
610 x 535		NC		24		30		36		41		45		48	
4B	L/s/side	165	83	220	110	275	138	330	165	386	193	440	220	496	248
	Throw (m)	5.1-6.3-8.9	4.3-5.5-7.9	5.9-7.3-10.3	5.2-6.4-9.1	6.6-8.1-11.5	5.8-7.3-10.1	7.3-8.9-12.6	6.4-7.9-11.3	7.9-9.6-13.6	7.0-8.5-11.9	8.4-10.3-14.5	7.3-9.1-12.8	8.9-10.9-15.4	7.9-9.8-13.7
3A1	L/s/side	207	83	275	110	344	138	413	165	482	193	551	220	620	248
	Throw (m)	5.5-6.7-9.5	4.3-5.5-7.9	6.3-7.7-11.0	5.2-6.4-9.1	7.1-8.7-12.2	5.8-7.3-10.1	7.7-9.5-13.4	6.4-7.9-11.3	8.4-10.2-14.5	7.0-8.5-11.9	8.9-11.0-15.5	7.3-9.1-12.8	9.5-11.6-16.4	7.9-9.8-13.7
3A2	L/s/side	155	186	207	248	258	310	310	372	362	434	413	496	464	557
	Throw (m)	5.0-6.2-8.7	4.9-6.1-8.5	5.8-7.1-10.1	5.8-7.0-9.8	6.5-8.0-11.3	5.8-7.0-9.8	7.1-8.7-12.4	7.0-8.5-11.9	7.7-9.4-13.4	7.6-9.1-13.1	8.2-10.1-14.3	7.9-9.8-13.7	8.7-10.7-15.1	8.5-10.4-14.6
2A, 2B	L/s/side	248		330		413		496		578		661		743	
	Throw (m)	5.8-7.1-10.0		6.7-8.2-11.5		7.4-9.1-12.9		8.2-10.0-14.1		8.8-10.8-15.3		9.4-11.5-16.3		10.0-12.2-17.3	
2E, 2F	L/s/side	332	164	443	218	554	273	664	327	775	382	885	436	996	491
	Throw (m)	6.1-7.3-10.4	5.5-6.7-9.8	7.0-8.5-11.9	6.4-7.9-11.0	7.6-9.4-13.4	7.0-8.8-12.5	8.5-10.4-14.6	7.9-9.8-13.7	9.1-11.3-15.8	8.5-10.4-14.6	9.8-11.9-16.8	9.1-11.0-15.5	10.4-12.8-18.0	9.4-11.9-16.8
1A, 1B	L/s/side	496		661		826		991		1156		1322		1487	
	Throw (m)	7.0-8.6-12.2		8.1-9.9-14.1		9.1-11.1-15.7		9.9-12.2-17.2		10.7-13.1-18.6		11.5-14.1-19.9		12.2-14.9-21.1	
Duct Size		177		236		295		354		413		472		531	
760 x 150		NC		18		25		31		35		39		43	
4B	L/s/side	59	30	79	39	98	49	118	59	138	69	157	79	177	89
	Throw (m)	3.7-5.2-7.3	1.2-1.8-3.4	4.9-5.8-8.2	1.5-2.4-4.6	5.5-6.7-9.4	2.1-3.0-4.9	5.8-7.3-10.4	2.4-3.7-5.5	6.4-7.9-11.0	2.7-4.3-5.8	6.7-8.2-11.9	3.4-4.6-6.4	7.3-8.8-12.5	3.7-4.6-6.7
3A1	L/s/side	74	30	98	39	123	49	148	59	172	69	197	79	221	89
	Throw (m)	3.7-5.2-7.3	1.2-1.8-3.4	4.9-6.1-8.5	1.5-2.4-4.6	5.5-6.7-9.4	2.1-3.0-4.9	6.1-7.3-10.4	2.4-3.7-5.5	6.4-7.9-11.3	2.7-4.3-5.8	7.0-8.5-11.9	3.4-4.6-6.4	7.3-9.1-12.8	3.7-4.6-6.7
2A, 2B	L/s/side	89		118		148		177		207		236		266	
	Throw (m)	3.8-5.3-7.5		5.0-6.1-8.6		5.6-6.8-9.6		6.1-7.5-10.5		6.6-8.1-11.4		7.0-8.6-12.2		7.5-9.1-12.9	
2E, 2F	L/s/side	118	59	158	78	198	97	237	117	277	136	316	156	356	175
	Throw (m)	5.2-6.1-8.8	1.8-2.4-4.6	5.8-7.3-10.1	2.1-3.4-5.5	6.7-7.9-11.3	2.7-4.3-6.1	7.3-8.8-12.5	3.4-4.6-6.7	7.6-9.4-13.4	4.0-5.2-7.3	8.2-10.1-14.3	4.6-5.5-7.6	8.8-10.7-15.2	4.6-5.8-8.2
1A, 1B	L/s/side	177		236		295		354		413		472		531	
	Throw (m)	5.2-6.4-9.1		6.1-7.4-10.5		6.8-8.3-11.7		7.4-9.1-12.8		8.0-9.8-13.9		8.6-10.5-14.8		9.1-11.1-15.7	

For Performance Notes and Return Factors, see end of section.

Core Style Legend



PERFORMANCE DATA

SMD/AMD – Metric Units

Neck Velocity (m/s)		1.5		2.0		2.5		3.0		3.5		4.0		4.5		
Velocity Pressure (Pa)		1		2		4		6		8		10		13		
Total Pressure (Pa)		9		16		25		35		48		63		80		
Duct Size		266		354		443		531		620		708		797		
760 x 230		NC		20		27		33		37		41		45		
		A B		A B		A B		A B		A B		A B		A B		
Duct Area 0.175 m ²	4B	L/s/side	89	44	118	59	148	74	177	89	207	103	236	118	266	133
		Throw (m)	4.3-5.8-7.9	1.8-2.7-4.9	5.5-6.4-9.1	2.4-3.7-5.8	6.1-7.3-10.4	3.0-4.6-6.4	6.4-7.9-11.3	3.7-4.9-7.0	7.0-8.5-12.2	4.3-5.2-7.6	7.6-9.4-13.4	4.6-5.8-7.9	7.9-9.8-13.7	4.9-6.1-8.5
	3A1	L/s/side	110	44	148	59	185	74	221	89	258	103	295	118	332	133
		Throw (m)	4.3-5.6-7.9	1.7-2.6-5.0	5.3-6.5-9.2	2.3-3.4-5.8	5.9-7.3-10.3	2.8-4.3-6.5	6.5-7.9-11.2	3.4-5.0-7.1	7.0-8.6-12.1	4.0-5.4-7.7	7.5-9.2-13.0	4.5-5.8-8.2	7.9-9.7-13.8	5.0-6.1-8.7
	2A, 2B	L/s/side	133		177		221		266		310		354		398	
		Throw (m)	4.7-5.9-8.4		5.6-6.8-9.7		6.2-7.6-10.8		6.8-8.4-11.8		7.4-9.0-12.8		7.9-9.7-13.7		8.4-10.2-14.5	
	2E, 2F	L/s/side	178	88	237	117	296	146	356	175	415	204	474	234	534	263
		Throw (m)	5.5-7.0-9.8	2.4-4.0-5.8	6.4-7.9-11.3	3.4-4.9-6.7	7.3-8.8-12.5	4.3-5.5-7.6	7.9-9.8-13.7	4.9-5.8-8.5	8.5-10.4-14.9	5.2-6.4-9.1	9.1-11.3-15.8	5.5-6.7-9.8	9.8-11.9-16.8	5.8-7.3-10.4
	1A, 1B	L/s/side	266		354		443		531		620		708		797	
		Throw (m)	5.9-7.2-10.2		6.8-8.3-11.8		7.6-9.3-13.2		8.3-10.2-14.4		9.0-11.0-15.6		9.6-11.8-16.6		10.2-12.5-17.7	
Duct Size 760 x 305	L/s NC		354		472		590		708		826		944		1062	
			-		22		29		34		39		43		47	
			A B		A B		A B		A B		A B		A B		A B	
	4B	L/s/side	118	59	157	79	197	98	236	118	275	138	315	157	354	177
		Throw (m)	4.9-6.1-8.5	2.4-3.7-5.8	5.8-7.0-9.8	3.4-4.6-6.7	6.4-7.9-11.0	4.0-5.2-7.3	7.0-8.5-12.2	4.6-5.8-8.2	7.6-9.1-13.1	5.2-6.1-8.8	7.9-9.8-14.0	5.5-6.7-9.4	8.5-10.4-14.6	5.8-7.0-10.1
	3A1	L/s/side	148	59	197	79	246	98	295	118	344	138	393	157	443	177
		Throw (m)	4.9-6.1-8.6	2.4-3.7-5.8	5.7-7.0-10.0	3.4-4.6-6.7	6.4-7.9-11.1	4.0-5.2-7.3	7.0-8.6-12.2	4.6-5.8-8.2	7.6-9.3-13.2	5.2-6.1-8.8	8.1-10.0-14.1	5.5-6.7-9.4	8.6-10.6-14.9	5.8-7.0-10.1
	2A, 2B	L/s/side	177		236		295		354		413		472		531	
		Throw (m)	5.2-6.4-9.1		6.1-7.4-10.5		6.8-8.3-11.7		7.4-9.1-12.8		8.0-9.8-13.9		8.6-10.5-14.8		9.1-11.1-15.7	
	2E, 2F	L/s/side	237	117	316	156	396	195	474	234	554	273	632	312	712	351
	Throw (m)	6.1-7.3-10.4	3.4-4.9-7.0	7.0-8.5-11.9	4.6-5.8-7.9	7.6-9.4-13.4	5.2-6.4-9.1	8.5-10.4-14.6	5.8-7.0-9.8	9.1-11.3-15.8	6.1-7.6-10.7	9.8-11.9-17.1	6.7-7.9-11.3	10.4-12.8-18.0	7.0-8.5-12.2	
1A, 1B	L/s/side	354		472		590		708		826		944		1062		
	Throw (m)	6.4-7.8-11.1		7.4-9.0-12.8		8.2-10.1-14.3		9.0-11.1-15.6		9.8-11.9-16.9		10.4-12.8-18.1		11.1-13.5-19.2		
Duct Size 760 x 380	L/s NC		443		590		738		885		1033		1180		1328	
			-		23		30		35		40		44		48	
			A B		A B		A B		A B		A B		A B		A B	
	4B	L/s/side	148	74	197	98	246	123	295	148	344	172	393	197	443	221
		Throw (m)	5.2-6.4-8.8	3.0-4.6-6.7	5.8-7.3-10.4	4.0-5.5-7.6	6.7-8.2-11.6	4.9-6.1-8.5	7.3-8.8-12.5	5.5-6.7-9.1	7.9-9.8-13.7	5.8-7.0-10.1	8.2-10.4-14.6	6.1-7.6-10.7	8.8-11.0-15.2	6.7-7.9-11.3
	3A1	L/s/side	185	74	246	98	307	123	369	148	430	172	492	197	553	221
		Throw (m)	5.5-6.7-9.4	3.0-4.6-6.7	6.1-7.6-10.7	4.0-5.5-7.6	7.0-8.5-11.9	4.9-6.1-8.5	7.6-9.4-13.1	5.5-6.7-9.1	8.2-10.1-14.3	5.8-7.0-10.1	8.8-10.7-15.2	6.1-7.6-10.7	9.1-11.3-16.2	6.7-7.9-11.3
	3B	L/s/side	221	110	295	148	369	185	443	221	516	258	590	295	664	332
		Throw (m)	5.6-6.8-9.7	4.3-5.5-7.9	6.4-7.9-11.2	5.2-6.4-9.1	7.2-8.8-12.5	5.8-7.3-10.4	7.9-9.7-13.7	6.4-7.9-11.3	8.5-10.5-14.8	7.0-8.5-12.2	9.1-11.2-15.8	7.6-9.1-13.1	9.7-11.8-16.8	7.9-9.8-13.7
	2A, 2B	L/s/side	221		295		369		443		516		590		664	
	Throw (m)	5.5-6.7-9.8		6.4-7.9-11.3		7.3-8.8-12.5		7.9-9.8-13.7		8.5-10.4-14.9		9.1-11.3-15.8		9.8-11.9-16.8		
2E, 2F	L/s/side	296	146	396	195	494	244	593	292	692	341	791	389	889	438	
	Throw (m)	6.4-7.6-11.0	4.3-5.5-7.9	7.3-8.8-12.5	5.2-6.4-9.1	8.2-10.1-14.0	5.8-7.3-10.4	8.8-11.0-15.2	6.4-7.9-11.3	9.4-11.9-16.5	7.0-8.5-12.2	10.4-12.5-17.7	7.6-9.1-13.1	11.0-13.4-18.9	7.9-9.8-13.7	
1A, 1B	L/s/side	443		590		738		885		1033		1180		1328		
	Throw (m)	6.7-8.2-11.9		7.9-9.8-13.7		8.8-10.7-15.2		9.8-11.9-16.8		10.4-12.8-18.0		11.0-13.7-19.2		11.9-14.3-20.4		
Duct Size 760 x 455	L/s NC		531		708		885		1062		1239		1416		1593	
			15		24		31		36		41		45		49	
			A B		A B		A B		A B		A B		A B		A B	
	4B	L/s/side	177	89	236	118	295	148	354	177	413	207	472	236	531	266
		Throw (m)	5.2-6.4-9.1	3.7-5.2-7.3	6.1-7.4-10.5	4.9-5.8-8.2	6.8-8.3-11.7	5.5-6.7-9.4	7.4-9.1-12.8	5.8-7.3-10.4	8.0-9.8-13.9	6.4-7.9-11.0	8.6-10.5-14.8	6.7-8.2-11.9	9.1-11.1-15.7	7.3-8.8-12.5
	3A1	L/s/side	221	89	295	118	369	148	443	177	516	207	590	236	664	266
		Throw (m)	5.6-6.8-9.7	3.7-5.2-7.3	6.4-7.9-11.2	4.9-5.8-8.2	7.2-8.8-12.5	5.5-6.7-9.4	7.9-9.7-13.7	5.8-7.3-10.4	8.5-10.5-14.8	6.4-7.9-11.0	9.1-11.2-15.8	6.7-8.2-11.9	9.7-11.8-16.8	7.3-8.8-12.5
	3A2	L/s/side	166	199	221	266	277	332	332	398	387	464	443	531	498	598
		Throw (m)	5.1-6.3-8.9	5.5-6.7-9.8	5.9-7.3-10.3	6.4-7.9-11.3	6.6-8.1-11.5	7.3-8.8-12.5	7.3-8.9-12.6	7.9-9.8-13.7	7.9-9.6-13.6	8.5-10.4-14.6	8.4-10.3-14.6	9.1-11.3-15.8	8.9-10.9-15.4	9.8-11.9-16.8
	2A, 2B	L/s/side	266		354		443		531		620		708		797	
	Throw (m)	5.9-7.2-10.2		6.8-8.3-11.8		7.6-9.3-13.2		8.3-10.2-14.4		9.0-11.0-15.6		9.6-11.8-16.6		10.2-12.5-17.7		
2E, 2F	L/s/side	356	175	474	234	593	292	712	351	830	409	949	467	1067	526	
	Throw (m)	6.4-7.8-11.1	5.2-6.1-8.8	7.4-9.0-12.8	5.8-7.3-10.1	8.3-10.1-14.3	6.7-7.9-11.3	9.0-11.1-15.7	7.3-8.8-12.5	9.8-12.0-16.9	7.6-9.4-13.4	10.4-12.8-18.1	8.2-10.1-14.3	11.1-13.6-19.2	8.8-10.7-15.2	
1A, 1B	L/s/side	531		708		885		1062		1239		1416		1593		
	Throw (m)	7.2-8.8-12.4		8.3-10.1-14.3		9.3-11.3-16.0		10.1-12.4-17.6		10.9-13.4-19.0		11.7-14.3-20.3		12.4-15.2-21.5		

For Performance Notes and Return Factors, see end of section.

Core Style Legend



PERFORMANCE DATA

SMD/AMD – Metric Units

Neck Velocity (m/s)		1.5		2.0		2.5		3.0		3.5		4.0		4.5			
Velocity Pressure (Pa)		1		2		4		6		8		10		13			
Total Pressure (Pa)		9		16		25		35		48		63		80			
Duct Size		620		826		1033		1239		1446		1652		1859			
760 x 535		16		25		32		37		42		46		49			
		A		B		A		B		A		B		A		B	
Duct Area 0.407 m ²	4B	L/s	207	103	275	138	344	172	413	207	482	241	551	275	620	310	
		Throw (m)	5.5-6.7-9.5	4.3-5.5-7.9	6.3-7.7-11.0	5.2-6.4-9.1	7.1-8.7-12.2	5.8-7.0-10.1	7.7-9.5-13.4	6.4-7.9-11.0	8.4-10.2-14.5	7.0-8.5-11.9	8.9-11.0-15.5	7.3-9.1-12.8	9.5-11.6-16.4	7.9-9.8-13.7	
	3A1	L/s	258	103	344	138	430	172	516	207	602	241	688	275	775	310	
		Throw (m)	5.8-7.1-10.1	4.3-5.5-7.9	6.7-8.3-11.7	5.2-6.4-9.1	7.5-9.2-13.0	5.8-7.0-10.1	8.3-10.1-14.3	6.4-7.9-11.0	8.9-10.9-15.4	7.0-8.5-11.9	9.5-11.7-16.5	7.3-9.1-12.8	10.1-12.4-17.5	7.9-9.8-13.7	
	3A2	L/s	194	232	258	310	323	387	387	464	452	542	516	620	581	697	
		Throw (m)	5.4-6.6-9.3	5.5-6.7-9.8	6.2-7.6-10.8	6.4-7.9-11.3	6.9-8.5-12.0	7.3-8.8-12.5	7.6-9.3-13.2	7.9-9.8-13.7	8.2-10.1-14.2	8.5-10.4-14.6	8.8-10.8-15.2	9.1-11.3-15.8	9.3-11.4-16.1	9.8-11.9-16.8	
	2A, 2B	L/s	310		413		516		620		723		826		929		
		Throw (m)	6.1-7.5-10.6		7.1-8.7-12.3		7.9-9.7-13.7		8.7-10.6-15.1		9.4-11.5-16.3		10.0-12.3-17.4		10.6-13.0-18.4		
	2E, 2F	L/s	415	204	554	273	692	341	830	409	969	477	1107	545	1245	613	
		Throw (m)	6.7-8.2-11.6	5.5-6.7-9.4	7.7-9.5-13.4	6.4-7.9-11.0	8.6-10.6-14.9	7.0-8.8-12.5	9.5-11.6-16.4	7.9-9.8-13.7	10.2-12.5-17.7	8.5-10.4-14.6	10.9-13.4-18.9	9.1-11.0-15.8	11.6-14.2-20.0	9.8-11.9-16.8	
	1A, 1B	L/s	620		826		1033		1239		1446		1652		1859		
		Throw (m)	7.5-9.2-13.0		8.6-10.6-15.0		9.7-11.8-16.8		10.6-13.0-18.3		11.4-14.0-19.8		12.2-15.0-21.2		13.0-15.9-22.5		
Duct Size		708		944		1180		1416		1652		1888		2124			
760 x 610		17		26		32		38		43		47		50			
		A		B		A		B		A		B		A		B	
Duct Area 0.465 m ²	4B	L/s	236	118	315	157	393	197	472	236	551	275	629	315	708	354	
		Throw (m)	5.7-7.0-9.9	4.9-6.1-8.5	6.6-8.0-11.4	5.8-7.0-9.8	7.3-9.0-12.7	6.4-7.9-11.0	8.0-9.9-13.9	7.0-8.5-12.2	8.7-10.6-15.1	7.6-9.1-13.1	9.3-11.4-16.1	7.9-9.8-14.0	9.9-12.1-17.1	8.5-10.4-14.6	
	3A1	L/s	295	118	393	157	492	197	590	236	688	275	787	315	885	354	
		Throw (m)	6.1-7.4-10.5	4.9-6.1-8.5	7.0-8.6-12.1	5.8-7.0-9.8	7.8-9.6-13.6	6.4-7.9-11.0	8.6-10.5-14.9	7.0-8.5-12.2	9.3-11.3-16.0	7.6-9.1-13.1	9.9-12.1-17.1	7.9-9.8-14.0	10.5-12.9-18.2	8.5-10.4-14.6	
	3A2	L/s	221	266	295	354	369	443	443	531	516	620	590	708	664	797	
		Throw (m)	5.8-7.0-10.1	5.5-7.0-9.8	6.7-8.2-11.6	6.4-7.9-11.3	7.3-9.1-12.8	7.3-8.8-12.5	8.2-10.1-14.0	7.9-9.8-13.7	8.8-10.7-15.2	8.5-10.4-14.9	9.4-11.6-16.2	9.1-11.3-15.8	10.1-12.2-17.4	9.8-11.9-16.8	
	2A, 2B	L/s	354		472		590		708		826		944		1062		
		Throw (m)	6.4-7.8-11.1		7.4-9.0-12.8		8.2-10.1-14.3		9.0-11.1-15.6		9.8-11.9-16.9		10.4-12.8-18.1		11.1-13.5-19.2		
	2E, 2F	L/s	474	234	632	312	791	389	949	467	1107	545	1265	623	1423	701	
		Throw (m)	6.7-8.2-11.6	6.1-7.3-10.4	7.6-9.4-13.4	7.0-8.5-11.9	8.5-10.7-14.9	7.6-9.4-13.4	9.4-11.6-16.5	8.5-10.4-14.6	10.4-12.5-17.7	9.1-11.3-15.8	11.0-13.4-18.9	9.8-11.9-17.1	11.6-14.3-20.1	10.4-12.8-18.0	
	1A, 1B	L/s	708		944		1180		1416		1652		1888		2124		
		Throw (m)	7.8-9.5-13.5		9.0-11.0-15.6		10.0-12.3-17.4		11.0-13.5-19.1		11.9-14.6-20.6		12.7-15.6-22.0		13.5-16.5-23.3		
Duct Size		885		1180		1475		1770		2065		2360		2655			
760 x 760		18		27		33		39		44		48		51			
		A		B		A		B		A		B		A		B	
Duct Area 0.581 m ²	4A	L/s	221		295		369		443		516		590		664		
		Throw (m)	5.6-6.8-9.7		6.4-7.9-11.2		7.2-8.8-12.5		7.9-9.7-13.7		8.5-10.5-14.8		9.1-11.2-15.8		9.7-11.8-16.8		
	3A	L/s	221	332	295	443	369	553	443	664	516	775	590	885	664	995	
		Throw (m)	5.6-6.8-9.7	6.4-7.6-11.0	6.4-7.9-11.2	7.3-8.8-12.5	7.2-8.8-12.5	8.2-10.1-14.0	7.9-9.7-13.7	8.8-11.0-15.2	8.5-10.5-14.8	9.4-11.6-16.5	9.1-11.2-15.8	10.4-12.5-17.7	9.7-11.8-16.8	11.0-13.4-18.9	
	2S	L/s	443		590		738		885		1033		1180		1328		
Throw (m)		6.8-8.3-11.8		7.9-9.6-13.6		8.8-10.8-15.2		9.6-11.8-16.7		10.4-12.7-18.0		11.1-13.6-19.2		11.8-14.4-20.4			
1S	L/s	885		1180		1475		1770		2065		2360		2655			
	Throw (m)	8.3-10.2-14.4		9.6-11.7-16.6		10.7-13.1-18.5		11.7-14.4-20.3		12.7-15.5-21.9		13.5-16.6-23.5		14.4-17.6			

For Performance Notes and Return Factors, see end of section.

Core Style Legend



PERFORMANCE DATA

SMD/AMD – Metric Units

Return Factors

Duct Size	(-) SP	NC	Duct Size	(-) SP	NC	Duct Size	(-) SP	NC
150 x 150	0.73 x Listed TP	Listed NC	610 x 150	2.73 x Listed TP	Listed NC + 4	610 x 380	1.80 x Listed TP	Listed NC + 6
230 x 230	0.87 x Listed TP	Listed NC + 2	305 x 230	2.73 x Listed TP	Listed NC + 4	535 x 455	1.53 x Listed TP	Listed NC + 5
305 x 305	0.93 x Listed TP	Listed NC + 4	380 x 230	1.20 x Listed TP	Listed NC + 3	610 x 455	1.73 x Listed TP	Listed NC + 6
380 x 380	1.27 x Listed TP	Listed NC + 4	455 x 230	1.47 x Listed TP	Listed NC + 3	610 x 535	1.47 x Listed TP	Listed NC + 7
455 x 455	1.47 x Listed TP	Listed NC + 6	535 x 230	1.73 x Listed TP	Listed NC + 4	760 x 150	2.70 x Listed TP	Listed NC + 3
535 x 535	1.80 x Listed TP	Listed NC + 8	610 x 230	2.00 x Listed TP	Listed NC + 4	760 x 230	2.73 x Listed TP	Listed NC + 6
610 x 610	1.89 x Listed TP	Listed NC + 8	380 x 305	1.13 x Listed TP	Listed NC + 2	760 x 305	2.27 x Listed TP	Listed NC + 6
230 x 150	0.87 x Listed TP	Listed NC - 1	455 x 305	1.33 x Listed TP	Listed NC + 3	760 x 380	2.13 x Listed TP	Listed NC + 7
305 x 150	1.13 x Listed TP	Listed NC + 1	535 x 305	1.53 x Listed TP	Listed NC + 5	760 x 455	2.13 x Listed TP	Listed NC + 7
380 x 150	1.33 x Listed TP	Listed NC + 1	610 x 305	1.80 x Listed TP	Listed NC + 5	760 x 535	2.13 x Listed TP	Listed NC + 8
455 x 150	1.87 x Listed TP	Listed NC + 2	455 x 380	1.40 x Listed TP	Listed NC + 4	760 x 610	2.12 x Listed TP	Listed NC + 8
535 x 150	2.27 x Listed TP	Listed NC + 3	535 x 380	1.47 x Listed TP	Listed NC + 5	760 x 760	2.20 x Listed TP	Listed NC + 8

Performance Notes:

- Tested in accordance with ASHRAE Standard 70 – 2006 Method of Testing for Rating the Performance of Air Outlets and Inlets.
- Airflow is in liters per second [L/s].
- NC, sound pressure levels, are based on a room absorption of 10 dB re 10⁻¹² Watts, and a single diffuser/grille.
- Blanks (-) indicate an NC level below 15.
- All pressures are in Pascals [Pa].
- Pressures not listed can be calculated using the following formula:

$$P_{total} = P_{static} + P_{velocity}$$
- Throw data is based on supply air and room air being at isothermal conditions.
- Throw data is given in meters [m] to terminal velocities of:
 0.75 m/s (minimum)
 0.50 m/s (middle)
 0.25 m/s (maximum)
- Performance data is tabulated for supply air applications
- Performance data assumes the diffuser is ceiling mounted for maximum ceiling effect.
 When no ceiling is present, the horizontal flow will be reduced by approximately 25%, producing a downward projection.
- Does not include effects of ceiling radiation damper (SMD-FR).

Core Style Legend



PERFORMANCE DATA

SMDA/AMDA – Adjustable Pattern Controllers, Metric Units

Louvered Face Directional Diffuser with Adjustable Pattern Controllers Performance Factors

Duct Size	Sound NC (Add)		Pressure TP (Multiply)		Throw Vertical (Multiply)			
	H	V	H	V	Cooling ΔT °C		Heating ΔT °C	
					11	0	11	22
152 x 152	3	7	1.3	1.6	1.3	1.1	0.8	0.6
229 x 229	3	7	1.5	2.3	1.5	1.2	0.9	0.6
305 x 305	3	7	1.5	2.3	1.6	1.3	1.0	0.6
381 x 381	3	7	1.5	2.3	1.7	1.3	1.0	0.6
457 x 457	3	7	1.5	2.3	1.7	1.3	0.9	0.6
533 x 533	3	7	1.5	2.3	1.7	1.3	0.8	0.5
610 x 610	3	7	1.5	2.3	1.5	1.1	0.7	0.5

Performance Notes:

To obtain performance data for the SMD diffuser with adjustable pattern controllers, apply the correction factors listed opposite to the data listed for square SMD, core style 4A.

Correction factors apply as follows:

1. Sound: NC = listed + correction factor.
2. Pressure drop: TP = listed x correction factor.
3. Does not include effects of ceiling radiation damper (SMDA-FR)

Note: The throw factor is applied only to the listed throw at 50 fpm terminal velocity (V_t).

Example:

SMD with adjustable pattern controllers, 305 mm x 305 mm, 283 cfm, heating application, 22 °C ΔT, vertical projection.

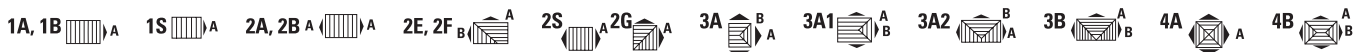
NC = 30+7 = 37 NC

TP = 36 x 2.3 = 82.8 Pa

Throw = 8.1 x 0.6 = 4.86m VT 0.25 m/s.

Note: Total pressure and throw obtained from performance data.

Core Style Legend



PERFORMANCE DATA

SMX / AMX – High Induction Construction, Metric Units

Neck Velocity (m/s)		1.5		2		2.5		3		3.5		4		4.5		
Velocity Pressure (Pa)		1		2		4		6		8		10		13		
Total Pressure (Pa)		9		17		26		38		52		68		86		
Duct Size	Total L/s	35		47		59		71		83		94		106		
150 x 150		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.023 m²	4B	L/s/side	9	12	15	18	21	24	26	28	30	32	34	36	38	
		NC	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Throw (m)	0.8-1.2-2.3	1.0-1.5-3.1	1.3-1.9-3.8	1.6-2.3-4.3	1.8-2.7-4.6	2.1-3.1-4.9	2.3-3.5-5.2							
	3A2	L/s/side	9	13	12	17	15	22	18	26	21	31	24	35	26	40
		NC	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Throw (m)	0.8-1.2-2.3	1.6-2.4-3.4	2.0-2.5-3.5	2.3-2.8-3.9	2.2-2.7-3.9	2.5-3.1-4.4	2.5-3.0-4.3	2.8-3.4-4.8	2.7-3.2-4.6	3.0-3.7-5.2	2.8-3.5-4.9	3.2-3.9-5.5	3.0-3.7-5.2	3.4-4.1-5.9
2A, 2B	L/s/side	18	-	24	-	30	-	35	-	42	-	47	-	53		
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Throw (m)	1.1-1.7-3.3	-	1.9-2.9-4.3	-	2.7-3.7-5.1	-	3.5-4.7-6.1	-	4.5-5.9-7.2	-	5.5-7.2-8.5	-	6.6-8.4-10.1		
1A, 1B	L/s/side	35	-	47	-	59	-	71	-	83	-	94	-	106		
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Throw (m)	1.5-2.3-4.6	-	9-12-17	-	11-14-19	-	12-15-21	-	13-16-23	-	14-17-24	-	15-18-26		
230 x 230		80		106		133		159		186		212		239		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.052 m²	4B	L/s/side	20	26	33	40	46	53	60	66	72	78	84	90	96	
		NC	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Throw (m)	1.2-1.7-3.5	1.5-2.3-4.4	1.9-2.9-4.9	2.3-3.5-5.4	2.7-4.0-5.8	3.1-4.4-6.3	3.5-4.7-6.6	3.8-4.7-6.6	4.1-5.0-7.1	4.4-5.4-7.7	4.7-5.8-8.2	5.0-6.0-8.0	5.3-6.3-8.3	
	3A2	L/s/side	20	30	26	40	33	50	40	60	46	70	53	80	60	90
		NC	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Throw (m)	1.2-1.7-3.5	2.4-3.1-4.3	2.5-3.1-4.4	2.9-3.5-5.0	2.9-3.5-4.9	3.2-3.9-5.6	3.1-3.8-5.4	3.5-4.3-6.1	3.4-4.1-5.8	3.8-4.7-6.6	3.6-4.4-6.3	4.1-5.0-7.1	3.8-4.7-6.6	4.3-5.3-7.5
2A, 2B	L/s/side	40	-	53	-	67	-	80	-	93	-	106	-	119		
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Throw (m)	1.6-2.5-4.7	-	2.9-3.9-5.5	-	3.5-4.3-6.1	-	3.9-4.7-6.7	-	4.2-5.1-7.2	-	4.4-5.4-7.7	-	4.7-5.8-8.2		
1A, 1B	L/s/side	80	-	106	-	133	-	159	-	186	-	212	-	239		
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Throw (m)	2.3-3.5-5.8	-	13-16-22	-	14-17-25	-	16-19-27	-	17-21-29	-	18-22-31	-	19-23-33		
305 x 305		142		189		236		283		330		378		425		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.093 m²	4B	L/s/side	35	47	59	71	83	94	106	117	129	140	151	162	173	
		NC	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Throw (m)	1.5-2.3-4.6	2.1-3.1-5.3	2.6-3.9-5.9	3.1-4.6-6.4	3.6-4.9-7.0	4.1-5.3-7.4	4.6-5.6-7.9	5.0-6.0-8.0	5.5-6.5-8.5	6.0-7.0-9.0	6.5-7.5-9.5	7.0-8.0-10.0	7.5-8.5-10.5	
	3A2	L/s/side	35	53	47	71	59	88	71	106	83	124	94	142	106	159
		NC	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Throw (m)	1.5-2.3-4.6	3.0-3.6-5.1	3.0-3.7-5.3	3.4-4.2-5.9	3.4-4.2-5.9	3.8-4.7-6.6	3.7-4.6-6.4	4.2-5.1-7.3	4.0-4.9-7.0	4.5-5.5-7.8	4.3-5.3-7.4	4.8-5.9-8.4	4.6-5.6-7.9	5.1-6.3-8.9
2A, 2B	L/s/side	71	-	94	-	118	-	142	-	165	-	189	-	212		
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Throw (m)	2.2-3.3-5.6	-	3.7-4.6-6.5	-	4.2-5.1-7.2	-	4.6-5.6-7.9	-	4.9-6.1-8.6	-	5.3-6.5-9.2	-	5.6-6.9-9.7		
1A, 1B	L/s/side	142	-	189	-	236	-	283	-	330	-	378	-	425		
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Throw (m)	3.1-4.6-6.9	-	15-18-26	-	17-21-29	-	18-23-32	-	20-24-35	-	21-26-37	-	23-28-39		
380x380		221		295		369		443		516		590		664		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.145 m²	4B	L/s/side	55	74	92	110	129	148	166	184	202	221	239	257	275	
		NC	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Throw (m)	1.9-2.9-5.2	2.6-3.9-6.0	3.2-4.7-6.7	3.9-5.2-7.4	4.5-5.6-7.9	5.0-6.3-8.5	5.5-6.7-9.0	6.0-7.4-9.7	6.5-8.0-10.3	7.0-8.5-10.8	7.5-9.0-11.3	8.0-9.5-11.8	8.5-10.0-12.3	
	3A2	L/s/side	55	83	74	110	92	138	110	166	129	194	148	221	166	249
		NC	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Throw (m)	1.9-2.9-5.2	3.4-4.2-5.9	3.5-4.2-6.0	3.9-4.8-6.8	3.9-4.7-6.7	4.4-5.4-7.6	4.2-5.2-7.4	4.8-5.9-8.3	4.6-5.6-7.9	5.2-6.3-9.0	4.9-6.0-8.5	5.5-6.8-9.6	5.2-6.4-9.0	5.9-7.2-10.2
2A, 2B	L/s/side	110	-	148	-	185	-	221	-	258	-	295	-	332		
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Throw (m)	2.7-4.1-6.4	-	4.3-5.2-7.4	-	4.8-5.8-8.3	-	5.2-6.4-9.1	-	5.7-6.9-9.8	-	6.0-7.4-10.5	-	6.4-7.8-11.1		
1A, 1B	L/s/side	221	-	295	-	369	-	443	-	516	-	590	-	664		
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Throw (m)	3.9-5.6-7.9	-	17-21-30	-	19-24-33	-	21-26-37	-	23-28-40	-	24-30-42	-	26-32-45		
455x455		319		425		531		637		743		850		956		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.209 m²	4B	L/s/side	80	106	133	160	186	212	239	265	291	317	343	369	395	
		NC	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Throw (m)	2.3-3.5-5.8	3.1-4.6-6.7	3.9-5.3-7.5	4.6-5.8-8.2	5.1-6.3-8.9	5.5-6.7-9.5	6.0-7.4-10.0	6.5-8.0-10.6	7.0-8.5-11.1	7.5-9.0-11.6	8.0-9.5-12.1	8.5-10.0-12.5	9.0-10.5-13.0	
	3A2	L/s/side	80	119	106	159	133	199	160	239	186	279	212	319	239	358
		NC	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Throw (m)	2.3-3.5-5.8	3.8-4.6-6.6	3.9-4.7-6.7	4.4-5.4-7.6	4.3-5.3-7.5	4.9-6.0-8.5	4.7-5.8-8.2	5.4-6.6-9.3	5.1-6.3-8.9	5.8-7.1-10.0	5.5-6.7-9.5	6.2-7.6-10.7	5.8-7.1-10.1	6.6-8.0-11.4
2A, 2B	L/s/side	160	-	212	-	266	-	319	-	372	-	425	-	478		
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Throw (m)	3.3-4.9-7.1	-	4.8-5.8-8.3	-	5.3-6.5-9.2	-	5.8-7.1-10.1	-	6.3-7.7-10.9	-	6.7-8.3-11.7	-	7.1-8.8-12.4		
1A, 1B	L/s/side	319	-	425	-	531	-	637	-	743	-	850	-	956		
	NC	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Throw (m)	4.6-6.2-8.8	-	19-24-33	-	22-26-37	-	24-29-41	-	25-31-44	-	27-33-47	-	29-35-50		

For Performance Notes and Return Factors, see end of section.

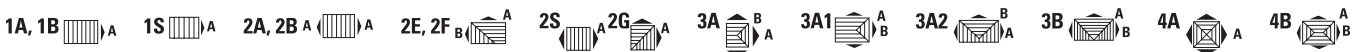
PERFORMANCE DATA

SMX / AMX – High Induction Construction, Metric Units

Neck Velocity (m/s)		1.5		2		2.5		3		3.5		4		4.5		
Velocity Pressure (Pa)		1		2		4		6		8		10		13		
Total Pressure (Pa)		9		17		26		38		52		68		86		
Duct Size	Total L/s	434		578		723		867		1012		1156		1301		
535x535		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.284 m ²	4B	L/s/side	109		144		181		217		253		289		325	
		NC	19		29		36		42		48		52		56	
		Throw (m)	2.7-4.1-6.4		3.6-5.2-7.4		4.5-5.8-8.2		5.2-6.4-9.0		5.6-6.9-9.7		6.0-7.4-10.4		6.4-7.8-11.0	
	3A2	L/s/side	109	163	144	217	181	271	217	325	253	379	289	434	325	488
		NC	19		29		36		42		48		52		56	
		Throw (m)	2.7-4.1-6.4	4.2-5.1-7.2	4.2-5.2-7.4	4.8-5.9-8.3	4.7-5.8-8.2	5.4-6.6-9.3	5.2-6.4-9.0	5.9-7.2-10.2	5.6-6.9-9.7	6.3-7.8-11.0	6.0-7.4-10.4	6.8-8.3-11.7	6.4-7.8-11.0	7.2-8.8-12.5
	2A, 2B	L/s/side	217		289		362		434		506		578		650	
		NC	22		31		38		44		49		53		57	
		Throw (m)	3.8-5.5-7.8		5.2-6.4-9.1		5.8-7.2-10.1		6.4-7.8-11.1		6.9-8.5-12.0		7.4-9.1-12.8		7.8-9.6-13.6	
	1A, 1B	L/s/side	434		578		723		867		1012		1156		1301	
		NC	23		32		39		45		49		54		57	
		Throw (m)	5.4-6.8-9.7		21-26-37		24-29-41		26-32-45		28-34-48		30-37-52		32-39-55	
Duct Size	Total L/s	566		755		944		1133		1322		1510		1699		
610x610		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.372 m ²	4B	L/s/side	142		189		236		283		330		378		425	
		NC	22		31		39		45		50		54		58	
		Throw (m)	3.1-4.6-6.9		4.1-5.6-8.0		5.1-6.3-8.9		5.6-6.9-9.8		6.1-7.5-10.5		6.5-8.0-11.3		6.9-8.4-11.9	
	3A2	L/s/side	142	212	189	283	236	354	283	425	330	496	378	566	425	637
		NC	22		31		39		45		50		54		58	
		Throw (m)	3.1-4.6-6.9	4.5-5.5-7.8	4.6-5.6-8.0	5.2-6.4-9.0	5.1-6.3-8.9	5.8-7.1-10.1	5.6-6.9-9.8	6.4-7.8-11.0	6.1-7.5-10.5	6.9-8.4-11.9	6.5-8.0-11.3	7.3-9.0-12.7	6.9-8.4-11.9	7.8-9.5-13.5
	2A, 2B	L/s/side	283		378		472		566		661		755		850	
		NC	24		33		40		46		51		55		58	
		Throw (m)	4.4-6.0-8.5		5.7-6.9-9.8		6.3-7.8-11.0		6.9-8.5-12.0		7.5-9.2-13.0		8.0-9.8-13.9		8.5-10.4-14.7	
	1A, 1B	L/s/side	566		755		944		1133		1322		1510		1699	
		NC	25		34		41		47		51		56		59	
		Throw (m)	6.0-7.4-10.5		23-28-40		26-31-44		28-34-49		30-37-52		32-40-56		34-42-59	
Duct Size	Total L/s	53		71		89		106		124		142		159		
230x150		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.035 m ²	4B	L/s/side	13		18		22		26		31		35		40	
		NC	-		-		18		24		29		33		37	
		Throw (m)	0.9-1.4-2.8		1.3-1.9-3.8		1.6-2.4-4.4		1.9-2.8-4.8		2.2-3.3-5.2		2.5-3.8-5.5		2.8-4.1-5.9	
	3A2	L/s/side	13	20	18	26	22	33	26	40	31	46	35	53	40	60
		NC	-		-		18		24		29		33		37	
		Throw (m)	0.9-1.4-2.8	1.9-2.7-3.8	2.3-2.8-3.9	2.5-3.1-4.4	2.5-3.1-4.4	2.9-3.5-4.9	2.8-3.4-4.8	3.1-3.8-5.4	3.0-3.7-5.2	3.4-4.1-5.8	3.2-3.9-5.5	3.6-4.4-6.2	3.4-4.1-5.9	3.8-4.7-6.6
	2A, 2B	L/s/side	26		35		44		53		62		71		80	
		NC	-		17		24		30		35		39		43	
		Throw (m)	1.3-2.0-4.0		2.4-3.4-4.8		3.1-3.8-5.4		3.4-4.2-5.9		3.7-4.5-6.4		3.9-4.8-6.8		4.2-5.1-7.2	
	1A, 1B	L/s/side	53		71		89		106		124		142		159	
		NC	-		16		23		29		34		38		41	
		Throw (m)	1.9-2.8-5.1		11-14-19		13-15-22		14-17-24		15-18-26		16-19-28		17-21-29	
Duct Size	Total L/s	71		94		118		142		165		189		212		
305x150		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.046 m ²	4B	L/s/side	18		24		30		35		42		47		53	
		NC	-		-		20		26		31		36		40	
		Throw (m)	1.1-1.7-3.3		1.5-2.2-4.3		1.8-2.7-4.8		2.2-3.3-5.2		2.6-3.8-5.7		2.9-4.3-6.0		3.3-4.5-6.4	
	3A2	L/s/side	18	26	24	35	30	44	35	53	42	62	47	71	53	80
		NC	-		-		20		26		31		36		40	
		Throw (m)	1.1-1.7-3.3	2.2-2.9-4.2	2.5-3.0-4.3	2.8-3.4-4.8	2.8-3.4-4.8	3.1-3.8-5.4	3.0-3.7-5.2	3.4-4.2-5.9	3.3-4.0-5.7	3.7-4.5-6.4	3.5-4.3-6.0	3.9-4.8-6.8	3.7-4.5-6.4	4.2-5.1-7.2
	2A, 2B	L/s/side	35		47		59		71		83		94		106	
		NC	-		19		26		32		37		41		45	
		Throw (m)	1.5-2.3-4.6		2.7-3.7-5.3		3.4-4.2-5.9		3.7-4.6-6.4		4.0-4.9-7.0		4.3-5.3-7.4		4.6-5.6-7.9	
	1A, 1B	L/s/side	71		94		118		142		165		189		212	
		NC	-		18		25		31		36		40		44	
		Throw (m)	2.2-3.3-5.6		12-15-21		14-17-24		15-18-26		16-20-28		17-21-30		18-23-32	

For Performance Notes and Return Factors, see end of section.

Core Style Legend



PERFORMANCE DATA

SMX / AMX – High Induction Construction, Metric Units

Neck Velocity (m/s)		1.5		2		2.5		3		3.5		4		4.5		
Velocity Pressure (Pa)		1		2		4		6		8		10		13		
Total Pressure (Pa)		9		17		26		38		52		68		86		
Duct Size	Total L/s	89		118		148		177		207		236		266		
380x150		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.059 m ²	4B	L/s/side	22		30		37		44		51		59		67	
		NC	-		-		22		28		33		38		42	
		Throw (m)	1.2-1.8-3.7		1.6-2.5-4.6		2.0-3.1-5.1		2.4-3.7-5.6		2.8-4.3-6.0		3.3-4.6-6.5		3.7-4.8-6.9	
	3A2	L/s/side	22	33	30	44	37	55	44	67	51	77	59	88	67	100
		NC	-		-		22		28		33		38		42	
		Throw (m)	1.2-1.8-3.7	2.5-3.2-4.5	2.6-3.2-4.6	3.0-3.6-5.2	2.9-3.6-5.1	3.3-4.1-5.8	3.2-4.0-5.6	3.6-4.5-6.3	3.5-4.3-6.0	3.9-4.8-6.8	3.7-4.6-6.5	4.2-5.2-7.3	4.0-4.8-6.9	4.5-5.5-7.7
Duct Area 0.070 m ²	2A, 2B	L/s/side	44		59		74		89		103		118		133	
		NC	-		21		28		33		38		42		46	
		Throw (m)	1.7-2.6-4.9		3.1-4.0-5.6		3.6-4.4-6.3		4.0-4.9-6.9		4.3-5.3-7.4		4.6-5.6-7.9		4.9-6.0-8.4	
	1A, 1B	L/s/side	89		118		148		177		207		236		266	
		NC	-		20		27		32		37		42		45	
		Throw (m)	2.4-3.7-6.0		13-16-23		15-18-25		16-20-28		17-21-30		19-23-32		20-24-34	
455x150	Total L/s	106		142		177		212		248		283		319		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.070 m ²	4B	L/s/side	26		35		44		53		62		71		80	
		NC	-		16		24		30		35		39		43	
		Throw (m)	1.3-2.0-4.0		1.8-2.7-4.8		2.2-3.4-5.4		2.7-4.0-5.9		3.1-4.5-6.4		3.6-4.8-6.8		4.0-5.1-7.2	
	3A2	L/s/side	26	40	35	53	44	67	53	80	62	93	71	106	80	119
		NC	-		16		24		30		35		39		43	
		Throw (m)	1.3-2.0-4.0	2.7-3.3-4.7	2.8-3.4-4.8	3.1-3.8-5.4	3.1-3.8-5.4	3.5-4.3-6.1	3.4-4.2-5.9	3.9-4.7-6.7	3.7-4.5-6.4	4.2-5.1-7.2	3.9-4.8-6.8	4.4-5.4-7.7	4.2-5.1-7.2	4.7-5.8-8.2
Duct Area 0.070 m ²	2A, 2B	L/s/side	53		71		89		106		124		142		160	
		NC	-		22		29		35		39		44		47	
		Throw (m)	1.9-2.8-5.1		3.4-4.2-5.9		3.8-4.7-6.6		4.2-5.1-7.3		4.5-5.6-7.9		4.8-5.9-8.4		5.1-6.3-8.9	
	1A, 1B	L/s/side	106		142		177		212		248		283		319	
		NC	-		21		28		34		39		43		47	
		Throw (m)	2.7-4.0-6.3		14-17-24		15-19-27		17-21-29		18-22-32		20-24-34		21-25-36	
305x230	Total L/s	106		142		177		212		248		283		319		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Duct Area 0.070 m ²	4B	L/s/side	26		35		44		53		62		71		80	
		NC	-		16		24		30		35		39		43	
		Throw (m)	1.3-2.0-4.0		1.8-2.7-4.8		2.2-3.4-5.4		2.7-4.0-5.9		3.1-4.5-6.4		3.6-4.8-6.8		4.0-5.1-7.2	
	3A2	L/s/side	26	40	35	53	44	67	53	80	62	93	71	106	80	119
		NC	-		16		24		30		35		39		43	
		Throw (m)	1.3-2.0-4.0	2.7-3.3-4.7	2.8-3.4-4.8	3.1-3.8-5.4	3.1-3.8-5.4	3.5-4.3-6.1	3.4-4.2-5.9	3.9-4.7-6.7	3.7-4.5-6.4	4.2-5.1-7.2	3.9-4.8-6.8	4.4-5.4-7.7	4.2-5.1-7.2	4.7-5.8-8.2
Duct Area 0.070 m ²	2A, 2B	L/s/side	53		71		89		106		124		142		160	
		NC	-		22		29		35		39		47		44	
		Throw (m)	1.9-2.8-5.1		3.4-4.2-5.9		3.8-4.7-6.6		4.2-5.1-7.3		4.5-5.6-7.9		4.8-5.9-8.4		5.1-6.3-8.9	
	1A, 1B	L/s/side	106		142		177		212		248		283		319	
		NC	-		21		28		34		39		43		47	
		Throw (m)	2.7-4.0-6.3		14-17-24		15-19-27		17-21-29		18-22-32		20-24-34		21-25-36	

Performance Notes:

- All units are tested in accordance with ASHRAE Standard 70-2006.
- Airflow is in liters per second [L/s].
- Sound data NC values are based on a room absorption of -10dB, re 10⁻¹² watts.
- Blanks (-) indicate an NC level below 15.
- All pressures are in Pascals (Pa).
- Pressures not listed can be calculated using the following formula:

$$P_{total} = P_{static} + P_{velocity}$$
- Throw data is based on supply air and room air being at isothermal conditions.
- Throw data is listed in meters to terminal velocities of:
 0.75 m/s (Minimum)
 0.5 m/s (Middle)
 0.25 m/s (Maximum)
- Additional performance data for other patterns and rectangular sizes available upon request.
- Does not include effects of ceiling radiation damper (SMX-FR).

Core Style Legend

