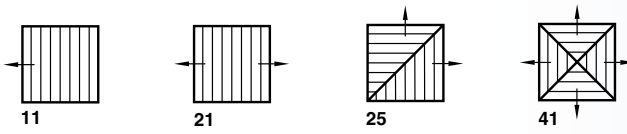


THROW PATTERNS



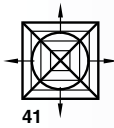
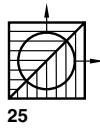
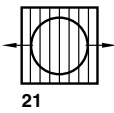
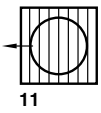
NECK SIZE		NECK FT2	Neck Velocity		200		300		400		500		600		650		700		800								
W	H		Pt		0.01		0.03		0.06		0.09		0.13		0.15		0.18		0.23								
6	6	0.25	CFM		50		70		90		120		140		150		160		190								
			NC		<20		<20		<20		20		25		27		29		33								
			4 Way - 41 Pattern	2	2	5	2	3	6	3	4	7	4	5	8	4	6	8	5	6	9	5	6	9	6	7	10
			2 way - 21 & 25 Patterns	2	3	6	3	4	8	4	5	9	5	7	10	6	8	11	6	8	12	6	8	12	8	9	13
1 way - 11 Pattern				3	4	9	4	6	11	5	8	13	7	10	15	8	11	16	9	12	16	9	12	17	11	13	18
9	9	0.56	CFM		110		160		220		270		320		350		380		430								
			NC		<20		<20		<20		24		29		31		33		36								
			4 Way - 41 Pattern	2	3	7	3	5	9	5	7	10	6	8	12	7	9	13	7	9	13	8	10	14	8	10	15
			2 way - 21 & 25 Patterns	3	4	9	4	6	12	6	9	14	7	11	16	9	12	17	9	13	18	10	13	18	11	14	20
1 way - 11 Pattern				4	6	12	6	9	17	8	12	20	10	15	22	12	17	24	13	18	25	14	18	26	16	20	28
12	12	1.00	CFM		190		290		390		480		580		630		680		780								
			NC		<20		<20		20		26		31		33		35		39								
			4 Way - 41 Pattern	3	4	9	5	7	12	6	9	14	8	11	15	9	12	17	10	13	18	11	13	18	11	14	20
			2 way - 21 & 25 Patterns	4	6	11	6	9	16	8	12	19	10	14	21	12	16	23	13	17	24	14	17	25	15	19	26
1 way - 11 Pattern				5	8	16	8	12	23	11	17	26	14	20	29	16	23	32	18	24	34	19	25	35	22	26	37
15	15	1.56	CFM		300		460		610		760		910		990		1070		1220								
			NC		<20		<20		22		28		33		35		37		41								
			4 Way - 41 Pattern	4	6	11	6	9	15	8	11	17	10	14	19	11	15	21	12	16	22	13	16	23	14	17	25
			2 way - 21 & 25 Patterns	4	7	14	7	11	20	10	15	23	12	18	26	14	20	29	16	21	30	17	22	31	19	23	33
1 way - 11 Pattern				6	10	20	10	16	29	14	21	33	17	26	37	20	29	40	22	30	42	24	31	44	27	33	47
18	18	2.25	CFM		440		660		880		1100		1320		1430		1540		1760								
			NC		<20		<20		24		30		35		37		39		43								
			4 Way - 41 Pattern	5	7	14	7	10	18	9	14	21	11	17	23	14	18	26	15	19	27	16	20	28	17	21	30
			2 way - 21 & 25 Patterns	6	9	17	9	13	24	12	17	28	15	22	31	17	24	34	19	25	36	20	26	37	23	28	40
1 way - 11 Pattern				8	12	25	12	19	34	16	25	40	21	31	44	25	34	49	27	36	51	29	37	53	32	40	56
21	21	3.06	CFM		600		900		1200		1500		1800		1960		2110		2410								
			NC		<20		<20		25		31		36		38		40		44								
			4 Way - 41 Pattern	5	8	16	8	12	21	11	16	24	13	19	27	16	21	30	17	22	31	19	23	32	20	25	35
			2 way - 21 & 25 Patterns	6	10	20	10	15	28	14	20	33	17	25	37	20	28	40	22	30	42	24	31	44	27	33	47
1 way - 11 Pattern				9	14	29	14	22	40	19	29	46	24	36	52	29	40	57	31	42	59	34	44	62	38	47	66
24	24	4.00	CFM		790		1180		1580		1970		2360		2560		2760		3150								
			NC		<20		<20		26		32		37		39		41		45								
			4 Way - 41 Pattern	6	9	18	9	14	24	12	18	28	15	22	31	18	24	34	20	25	36	21	26	37	23	28	40
			3 way throw	7	12	23	12	18	33	16	23	38	19	29	42	23	33	46	25	34	48	27	35	50	31	38	53
2 way - 21 & 25 Patterns				7	12	23	12	18	33	16	23	38	19	29	42	23	33	46	25	34	48	27	35	50	31	38	53
1 way - 11 Pattern				11	17	33	17	25	46	22	33	53	28	41	60	33	46	65	36	48	68	39	50	70	43	53	75
27	27	5.06	CFM		1000		1500		2000		2500		3000		3250		3490		3990								
			NC		<20		<20		27		33		38		40		42		46								
			4 Way - 41 Pattern	7	10	21	10	16	27	14	21	32	17	25	35	21	27	39	22	29	40	24	30	42	26	32	45
			2 way - 21 & 25 Patterns	8	13	26	13	20	37	18	26	42	22	33	47	26	37	52	29	38	54	31	40	56	35	42	60
1 way - 11 Pattern				12	19	37	19	28	52	25	37	60	31	47	67	37	52	73	40	54	76	43	56	79	49	60	85
30	30	6.25	CFM		1230		1850		2470		3090		3700		4010		4320		4940								
			NC		<20		20		28		34		39		41		43		47								
			4 Way - 41 Pattern	8	11	23	11	17	30	15	23	35	19	28	39	23	30	43	25	32	45	27	33	46	29	35	50
			2 way - 21 & 25 Patterns	9	15	29	15	22	41	20	29	47	24	37	53	29	41	58	32	42	60	34	44	62	38	47	67
1 way - 11 Pattern				13	21	41	21	31	58	28	41	67	35	52	75	41	58	82	45	60	85	48	62	88	54	67	94
33	33	7.56	CFM		1500		2240		2990		3740		4490		4860		5230		5980								
			NC		<20		21		29		35		40		42		44		48								
			4 Way - 41 Pattern	8	13	25	13	19	33	17	25	39	21	31	43	25	34	47	27	35	49	30	36	51	32	39	55
			2 way - 21 & 25 Patterns	10	16	32	16	24	45	21	32	52	27	40	58	32	45	64	35	47	66	38	49	69	42	52	73
1 way - 11 Pattern				15	23	46	23	34	63	30	46	73	38	57	82	46	64	90	49	66	94	53	69	97	60	73	104
36	36	9.00	CFM		1780		2670		3560		4450		5340		5790		6230		7130								
			NC		<20		22		30		36		41		43		45		49								
			4 Way - 41 Pattern	9	14	28	14	21	37	18	28	42	23	33	47	28	37	52	30	38	54	32	39	56	34	42	60
			2 way - 21 & 25 Patterns	11	18	35	18	26	49	23	35	57	29	44	63	35	49	69	38	51	72	41	53	75	46	57	80
1 way - 11 Pattern				16	25	50	25	37	69	33	50	80	41	62	89	50	69	98	54	72	102	58	75	106	65	80	113

For performance data notes see page B-36.

Square Diffusers

B

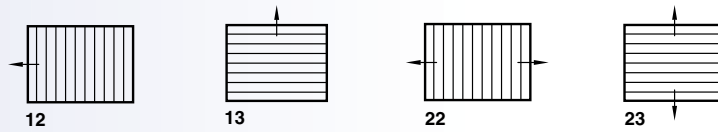
THROW PATTERNS



ROUND NECK

DIFFUSER SIZE		NECK DIAMETER	Neck Velocity																																							
W	H		200	300				400				500				600				650				700				800														
6	6	6"	Pt	0.01				0.03				0.06				0.09				0.13				0.15				0.18				0.23										
			CFM	40				60				80				100				120				130				140				160										
			NC	<20				<20				<20				<20				24				26				28				32										
			4 Way - 41 Pattern	1	2	4	2	3	5	3	4	6	3	5	7	4	5	8	4	6	8	5	6	8	5	6	8	5	6	8	5	6	8	5	6	8	5	6	8			
			2 way - 21 & 25 Patterns	2	3	5	3	4	7	4	5	8	4	7	9	5	7	10	6	8	11	6	8	11	7	8	12	7	8	12	7	8	12	7	8	12	7	8	12			
			1 way - 11 Pattern	2	4	7	4	6	10	5	7	12	6	9	13	7	10	15	8	11	15	9	11	16	10	12	17	10	12	17	10	12	17	10	12	17	10	12	17			
9	9	6"	CFM	40				60				80				100				120				130				140				160										
			NC	<20				<20				<20				<20				24				26				28				32										
			4 Way - 41 Pattern	1	2	4	2	3	5	3	4	6	3	5	7	4	5	8	4	6	8	5	6	8	5	6	8	5	6	8	5	6	8	5	6	8	5	6	8			
			2 way - 21 & 25 Patterns	2	3	5	3	4	7	4	5	8	4	7	9	5	7	10	6	8	11	6	8	11	7	8	12	7	8	12	7	8	12	7	8	12	7	8	12			
			1 way - 11 Pattern	2	4	7	4	6	10	5	7	12	6	9	13	7	10	15	8	11	15	9	11	16	10	12	17	10	12	17	10	12	17	10	12	17	10	12	17			
			9	9	8"	CFM	70				100				140				170				210				230				240				280							
NC	<20					<20				<20				22				27				29				31				35												
4 Way - 41 Pattern	2	3				5	3	4	7	4	5	8	4	7	9	5	7	10	6	8	11	6	8	11	7	8	12	7	8	12	7	8	12	7	8	12	7	8	12			
2 way - 21 & 25 Patterns	2	3				7	3	5	9	5	7	11	6	8	12	7	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14
1 way - 11 Pattern	3	5				10	5	7	13	7	10	16	8	12	17	10	14	19	11	14	20	11	15	21	13	16	22	13	16	22	13	16	22	13	16	22	13	16	22	13	16	22
12	12	8"				CFM	70				110				140				180				210				230				250				280							
			NC	<20				<20				<20				22				27				29				31				35										
			4 Way - 41 Pattern	2	3	5	3	4	7	4	5	8	5	7	9	5	7	10	6	8	11	6	8	11	7	8	12	7	8	12	7	8	12	7	8	12	7	8	12			
			3 way throw	2	3	7	4	5	10	5	7	11	6	9	13	7	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14
			2 way - 21 & 25 Patterns	2	3	7	4	5	10	5	7	11	6	9	13	7	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14
			1 way - 11 Pattern	3	5	10	5	8	14	7	10	16	8	13	18	10	14	19	11	14	20	12	15	21	13	16	22	13	16	22	13	16	22	13	16	22	13	16	22	13	16	22
12	12	10"	CFM	110				160				220				270				330				350				380				440										
			NC	<20				<20				<20				24				29				31				33				36										
			4 Way - 41 Pattern	2	3	7	3	5	9	5	7	10	6	8	12	7	9	13	7	9	13	8	10	14	9	10	15	8	10	14	9	10	15	8	10	14	9	10	15			
			2 way - 21 & 25 Patterns	3	4	9	4	6	12	6	9	14	7	11	16	9	12	17	9	13	18	10	13	18	10	13	18	10	13	18	10	13	18	10	13	18	10	13	18	10	13	18
			1 way - 11 Pattern	4	6	12	6	9	17	8	12	20	10	15	22	12	17	24	13	18	25	14	18	25	14	18	25	14	18	25	14	18	25	14	18	25	14	18	25	14	18	25
			12	12	12"	CFM	160				240				310				390				470				510				550				630							
NC	<20					<20				<20				25				30				32				34				38												
4 Way - 41 Pattern	3	4				8	4	6	11	5	8	12	7	10	14	8	11	15	9	11	16	10	12	17	10	13	18	10	13	18	10	13	18	10	13	18	10	13	18			
2 way - 21 & 25 Patterns	3	5				11	5	8	15	7	10	17	9	13	19	10	15	21	11	15	21	11	15	21	12	16	22	14	17	24	14	17	24	14	17	24	14	17	24	14	17	24
1 way - 11 Pattern	5	8				15	8	11	21	10	15	24	12	18	26	15	21	29	16	21	30	17	22	31	19	24	34	19	24	34	19	24	34	19	24	34	19	24	34	19	24	34
15	15	12"				CFM	160				240				310				390				470				510				550				630							
			NC	<20				<20				<20				25				30				32				34				38										
			4 Way - 41 Pattern	3	4	8	4	6	11	5	8	12	7	10	14	8	11	15	9	11	16	10	12	17	10	13	18	10	13	18	10	13	18	10	13	18	10	13	18			
			2 way - 21 & 25 Patterns	3	5	11	5	8	15	7	10	17	9	13	19	10	15	21	11	15	21	12	16	22	14	17	24	14	17	24	14	17	24	14	17	24	14	17	24	14	17	24
			1 way - 11 Pattern	5	8	15	8	11	21	10	15	24	12	18	26	15	21	29	16	21	30	17	22	31	19	24	34	19	24	34	19	24	34	19	24	34	19	24	34	19	24	34
			15	15	14"	CFM	210				320				430				530				640				690				750				860							
NC	<20					<20				21				27				32				34				36				39												
4 Way - 41 Pattern	3	5				9	5	7	13	6	10	15	8	12	16	10	13	18	10	13	19	11	14	19	12	15	21	12	15	21	12	15	21	12	15	21	12	15	21	12	15	21
2 way - 21 & 25 Patterns	4	6				12	6	9	17	8	12	20	10	15	22	12	17	24	13	18	25	14	18	25	14	18	25	14	18	25	14	18	25	14	18	25	14	18	25	14	18	25
1 way - 11 Pattern	5	8				17	9	13	24	12	17	28	14	21	31	17	24	34	19	25	35	20	26	37	23	28	39	23	28	39	23	28	39	23	28	39	23	28	39	23	28	39
18	18	6"				CFM	40				60				80				100				120				130				140				160							
			NC	<20				<20				<20				<20				24				26				28				32										
			4 Way - 41 Pattern	1	2	4	2	3	5	3	4	6	3	5	7	4	5	8	4	6	8	5	6	8	5	6	8	5	6	8	5	6	8	5	6	8	5	6	8			
			2 way - 21 & 25 Patterns	2	3	5	3	4	7	4	5	8	4	7	9	5	7	10	6	8	11	6	8	11	7	8	12	7	8	12	7	8	12	7	8	12	7	8	12	7	8	12
			1 way - 11 Pattern	2	4	7	4	6	10	5	7	12	6	9	13	7	10	15	8	11	15	9	11	16	10	12	17	10	12	17	10	12	17	10	12	17	10	12	17	10	12	17
			18	18	8"	CFM	70				110				140				180				210				230				250				280							
NC	<20					<20				<20				22				27				29				31				35												
4 Way - 41 Pattern	2	3				5	3	4	7	4	5	8	5	7	9	5	7	10	6	8	11	6	8	11	7	8	12	7	8	12	7	8	12	7	8	12	7	8	12			
2 way - 21 & 25 Patterns	2	3				7	4	5	10	5	7	11	6	9	13	7	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14	8	10	14
1 way - 11 Pattern	3	5				10	5	8	14	7	10	16	8	13	18	10	14	19	11	14	20	12	15	21	13	16	22	13	16	22	13	16	22	13	16	22	13	16	22	13	16	22
18	18	10"				CFM	110				160				220				270				330				350				380				440							
			NC	<20				<20				<20				24				29				31				33				36										
			4 Way - 41 Pattern	2	3	7	3	5	9	5	7	10	6	8	12	7	9	13	7	9	13	8	10	14	9	10	15	8	10	14	9	10	15	8	10	14	9	10	15			
			2 way - 21 & 25 Patterns	3	4	9	4	6	12	6	9	14	7	11	16	9	12	17	9	13	18	10	13	18	10	13	18	10	13													

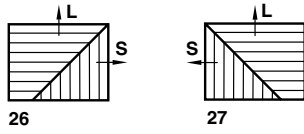
THROW PATTERNS



NECK SIZE		NECK FT ²	Neck Velocity		200	300	400	500	600	650	700	800							
W	H		Pt		0.01	0.03	0.06	0.09	0.13	0.15	0.18	0.23							
9	6	0.38	CFM		70	110	140	180	210	230	250	280							
			NC		<20	<20	<20	22	27	29	31	35							
			2 way - 22 & 23 Patterns		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			1 way - 12 & 13 Patterns		3	5	7	10	14	19	25	31	37	43	50				
			CFM		100	140	190	240	290	310	330	380							
12	6	0.50	NC		<20	<20	<20	23	28	30	32	36							
			2 way - 22 & 23 Patterns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	
			1 way - 12 & 13 Patterns		4	6	8	11	15	19	24	29	34	40					
			CFM		120	180	240	300	360	390	420	480							
			NC		<20	<20	<20	24	29	31	33	37							
15	6	0.63	2 way - 22 & 23 Patterns		3	5	7	9	11	13	15	17	19	21	23	25	27	29	
			1 way - 12 & 13 Patterns		4	6	8	11	15	19	24	29	34	40					
			CFM		140	220	290	360	430	470	510	580							
			NC		<20	<20	<20	25	30	32	34	38							
			2 way - 22 & 23 Patterns		3	5	7	10	14	18	23	28	34	40					
12	9	0.75	1 way - 12 & 13 Patterns		4	7	10	14	18	23	28	34							
			CFM		180	270	360	450	540	590	630	730							
			NC		<20	<20	20	26	31	33	35	39							
			2 way - 22 & 23 Patterns		4	6	8	11	15	19	24	29	34	40					
			1 way - 12 & 13 Patterns		5	8	11	16	21	27	33	39	46						
15	9	0.94	CFM		240	360	490	610	730	790	850	970							
			NC		<20	<20	21	27	32	34	36	40							
			2 way - 22 & 23 Patterns		4	6	9	12	16	20	25	30	36	42					
			1 way - 12 & 13 Patterns		6	9	12	17	23	30	37	45	53						
			CFM		250	380	510	640	760	830	890	1020							
21	9	1.31	NC		<20	<20	21	27	32	34	37	40							
			2 way - 22 & 23 Patterns		4	7	10	14	18	23	28	34	40						
			1 way - 12 & 13 Patterns		6	9	12	17	23	30	37	45	53						
			CFM		290	440	580	730	880	950	1020	1170							
			NC		<20	<20	22	28	33	35	37	41							
18	12	1.50	2 way - 22 & 23 Patterns		4	7	10	14	18	23	28	34							
			1 way - 12 & 13 Patterns		6	10	14	18	23	29	36	42							
			CFM		340	510	680	850	1020	1110	1200	1370							
			NC		<20	<20	23	29	34	36	38	41							
			2 way - 22 & 23 Patterns		5	8	11	15	19	24	29	34	40						
21	12	1.75	1 way - 12 & 13 Patterns		7	11	15	20	25	31	37	43							
			CFM		390	590	780	980	1170	1270	1370	1560							
			NC		<20	<20	23	29	34	36	38	42							
			2 way - 22 & 23 Patterns		5	8	11	15	19	24	29	34	40						
			1 way - 12 & 13 Patterns		7	11	15	20	25	31	37	43	50						
24	12	2.00	CFM		490	730	980	1220	1470	1590	1710	1960							
			NC		<20	<20	24	30	35	37	39	43							
			2 way - 22 & 23 Patterns		6	9	12	16	20	25	30	35	42						
			1 way - 12 & 13 Patterns		8	12	16	21	27	33	39	46	53						
			CFM		590	880	1180	1470	1770	1910	2060	2360							
24	18	3.00	NC		<20	<20	25	31	36	38	40	44							
			2 way - 22 & 23 Patterns		6	10	14	18	23	28	34	40							
			1 way - 12 & 13 Patterns		9	14	19	24	30	37	44	52							
			CFM		690	1030	1380	1720	2060	2240	2410	2750							
			NC		<20	<20	26	32	37	39	41	44							
24	21	3.50	2 way - 22 & 23 Patterns		7	11	15	20	25	31	37	43							
			1 way - 12 & 13 Patterns		10	15	20	26	33	40	47	55							
			CFM		990	1480	1970	2460	2960	3200	3450	3940							
			NC		<20	<20	27	33	38	40	42	46							
			2 way - 22 & 23 Patterns		8	13	17	22	28	34	40	47	55						
30	24	5.00	1 way - 12 & 13 Patterns		12	18	24	31	38	45	53	61							
			CFM		1180	1780	2370	2960	3550	3850	4150	4740							
			NC		<20	<20	28	34	39	41	43	47							
			2 way - 22 & 23 Patterns		9	14	19	25	31	37	43	50	58						
			1 way - 12 & 13 Patterns		13	20	27	34	41	49	57	65	73						
36	24	6.00	CFM		1580	2370	3160	3950	4740	5140	5530	6330							
			NC		<20	<20	29	35	40	42	44	48							
			2 way - 22 & 23 Patterns		11	17	23	30	37	44	51	59	67						
			1 way - 12 & 13 Patterns		15	23	31	39	47	55	63	71	80						
			CFM		1580	2370	3160	3950	4740	5140	5530	6330							
48	24	8.00	NC		<20	<20	29	35	40	42	44	48							
			2 way - 22 & 23 Patterns		11	17	23	30	37	44	51	59	67						
			1 way - 12 & 13 Patterns		15	23	31	39	47	55	63	71	80						

For performance data notes see page B-36.

THROW PATTERNS



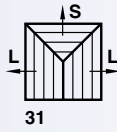
NECK SIZE		NECK FT2	Neck Velocity		200	300	400	500	600	650	700	800															
W	H		Pt		0.01	0.03	0.06	0.09	0.13	0.15	0.18	0.23															
9	6	0.38	CFM		70	110	140	180	210	230	250	280															
			NC		<20	<20	<20	22	27	29	31	35															
			CFM (L)		50	70	90	120	140	150	170	190															
			Throw (L)	3	4	9	5	7	12	6	9	14	7	11	15	9	12	17	9	12	18	10	13	18	11	14	19
			CFM (S)		20		40		50		60		70		80		80		90		90						
			Throw (S)	2	3	6	3	5	9	4	6	10	5	8	11	6	8	12	7	9	12	7	9	13	8	10	14
12	6	0.50	CFM		100	140	190	240	290	310	330	380															
			NC		<20	<20	<20	23	28	30	32	36															
			CFM (L)		80	110	140	180	220	230	250	290															
			Throw (L)	4	6	11	5	8	14	7	11	17	9	13	19	11	15	21	12	15	22	12	16	22	14	17	24
			CFM (S)		20		30		50		60		70		80		80		90		90						
			Throw (S)	2	3	7	3	5	8	4	6	10	5	8	11	6	9	12	7	9	12	7	9	13	8	10	14
15	6	0.63	CFM		120	180	240	300	360	390	420	480															
			NC		<20	<20	<20	24	29	31	33	37															
			CFM (L)		100	140	190	240	290	310	340	380															
			Throw (L)	4	6	13	6	9	17	8	13	20	10	15	22	13	17	24	14	18	25	15	18	26	16	20	28
			CFM (S)		20		40		50		60		70		80		80		100								
			Throw (S)	2	3	6	3	5	8	4	6	10	5	8	11	6	8	12	7	9	12	7	9	13	8	10	14
12	9	0.75	CFM		140	220	290	360	430	470	510	580															
			NC		<20	<20	<20	25	30	32	34	38															
			CFM (L)		90	140	180	230	270	290	320	360															
			Throw (L)	4	6	12	6	9	17	8	12	19	10	15	21	12	16	23	13	17	24	14	18	25	16	19	27
			CFM (S)		50		80		110		130		160		180		190		220								
			Throw (S)	3	5	9	5	7	13	6	9	15	8	12	16	9	13	18	10	13	19	11	14	20	12	15	21
15	9	0.94	CFM		180	270	360	450	540	590	630	730															
			NC		<20	<20	20	26	31	33	35	39															
			CFM (L)		130	190	250	320	380	410	440	510															
			Throw (L)	5	7	14	7	11	19	10	14	22	12	18	25	14	19	27	16	20	29	17	21	30	18	23	32
			CFM (S)		50		80		110		130		160		180		190		220								
			Throw (S)	3	5	9	5	7	13	6	9	15	8	12	16	9	13	18	10	13	19	11	14	19	12	15	21
15	12	1.25	CFM		240	360	490	610	730	790	850	970															
			NC		<20	<20	21	27	32	34	36	40															
			CFM (L)		140	220	290	370	440	470	510	580															
			Throw (L)	5	8	15	8	12	21	10	16	24	13	19	27	16	21	30	17	22	31	18	23	32	20	24	34
			CFM (S)		100		140		200		240		290		320		340		390								
			Throw (S)	4	6	13	6	9	17	9	13	20	11	16	22	13	17	24	14	18	25	15	18	26	16	20	28
18	12	1.50	CFM		290	440	580	730	880	950	1020	1170															
			NC		<20	<20	22	28	33	35	37	41															
			CFM (L)		190	290	390	490	590	630	680	780															
			Throw (L)	6	9	18	9	14	24	12	18	28	15	22	31	18	24	34	20	25	36	21	26	37	23	28	39
			CFM (S)		100		150		190		240		290		320		340		390								
			Throw (S)	4	6	13	6	10	17	8	13	20	11	16	22	13	17	24	14	18	25	15	18	26	16	20	28
18	15	1.88	CFM		370	550	730	920	1100	1190	1280	1470															
			NC		<20	<20	23	29	34	36	38	42															
			CFM (L)		220	320	430	540	640	690	750	860															
			Throw (L)	6	10	19	9	14	25	13	19	29	16	23	33	19	25	36	20	26	37	22	27	39	24	29	41
			CFM (S)		150		230		300		380		460		500		530		610								
			Throw (S)	5	8	16	8	12	21	11	16	25	13	20	28	16	21	30	17	22	31	19	23	33	20	25	35
24	18	3.00	CFM		590	880	1180	1470	1770	1910	2060	2360															
			NC		<20	<20	25	31	36	38	40	44															
			CFM (L)		370	550	740	920	1100	1190	1290	1480															
			Throw (L)	8	12	25	12	19	33	17	25	38	21	30	43	25	33	47	27	35	49	29	36	51	31	38	54
			CFM (S)		220		330		440		550		660		720		770		880								
			Throw (S)	6	10	19	10	14	26	13	19	30	16	23	33	19	26	36	21	27	38	22	28	39	24	30	42
30	18	3.75	CFM		740	1110	1480	1840	2210	2400	2580	2950															
			NC		<20	<20	26	32	37	39	41	45															
			CFM (L)		520	780	1040	1290	1550	1680	1810	2070															
			Throw (L)	10	15	30	15	22	39	20	30	46	25	36	51	29	39	56	32	41	58	34	42	60	37	45	64
			CFM (S)		220		330		440		550		660		720		770		880								
			Throw (S)	6	10	19	10	15	26	13	19	30	16	23	33	19	26	36	21	27	38	23	28	39	24	30	42
36	24	6.00	CFM		1180	1780	2370	2960	3550	3850	4150	4740															
			NC		<20	<20	28	34	39	41	43	47															
			CFM (L)		790	1190	1580	1970	2370	2570	2770	3160															
			Throw (L)	12	18	36	18	27	49	24	37	56	30	44	63	37	49	69	40	51	72	43	53	74	46	56	79
			CFM (S)		390		590		790		990		1180		1280		1380		1580								
			Throw (S)	9	13	26	13	19	34	17	26	40	22	31	44	26	34	49	28	36	51	30	37	53	32	40	56
48	24	8.00	CFM		1580	2370	3160	3950	4740	5140	5530	6330															
			NC		<20	<20	29	35	40	42	44	48															
			CFM (L)		1190	1780	2370	2960	3560	3860	4150	4750															
			Throw (L)	15	22	45	22	34	60	30	45	69	37	54	77	45	60	84	49	62	88	52	64	91	56	69	97
			CFM (S)		390		590		790		990		1180		1280		1380		1580								
			Throw (S)	9	13	26	13	19	34	17	26	40	22	31	44	26	34	49	28	36	51	30	37	53	32	40	56

For performance data notes see page B-36.

Square Diffusers

B

**THROW
PATTERN**



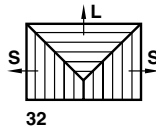
Square Diffusers

B

NECK SIZE		NECK FT ²	Neck Velocity		200	300	400	500	600	650	700	800
W	H		Pt		0.01	0.03	0.06	0.09	0.13	0.15	0.18	0.23
6	6	0.25	CFM		50	70	90	120	140	150	160	190
			NC		<20	<20	<20	20	25	27	29	33
			CFM (L)		20	30	30	50	50	60	60	70
			Throw (L)		2 3 6	3 4 7	3 5 8	5 7 9	5 7 10	6 8 11	6 8 11	7 8 12
			CFM (S)		10	20	20	30	40	40	40	50
			Throw (S)		2 2 5	2 3 6	3 4 7	4 5 8	4 6 8	5 6 9	5 6 9	6 7 10
9	9	0.56	CFM		110	160	220	270	320	350	380	430
			NC		<20	<20	<20	24	29	31	33	36
			CFM (L)		40	60	80	100	120	130	140	160
			Throw (L)		3 4 8	4 6 11	6 8 13	7 10 14	8 11 15	9 11 16	10 12 17	10 13 18
			CFM (S)		30	40	60	70	80	90	100	110
			Throw (S)		2 3 7	3 5 9	5 7 10	6 8 12	7 9 13	7 9 13	8 10 14	8 10 15
12	12	1.00	CFM		190	290	390	480	580	630	680	780
			NC		<20	<20	20	26	31	33	35	39
			CFM (L)		70	110	150	180	220	240	260	290
			Throw (L)		4 5 11	5 8 15	7 11 17	9 13 19	11 15 21	12 15 22	13 16 23	14 17 24
			CFM (S)		50	70	100	120	150	160	170	200
			Throw (S)		3 4 9	4 7 12	6 9 14	7 11 15	9 12 17	10 13 18	10 13 18	11 14 20
15	15	1.56	CFM		300	460	610	760	910	990	1070	1220
			NC		<20	<20	22	28	33	35	37	41
			CFM (L)		110	170	230	290	340	370	400	460
			Throw (L)		5 7 14	7 10 19	9 14 21	11 17 24	14 18 26	15 19 27	16 20 28	17 21 30
			CFM (S)		80	120	150	190	230	250	270	310
			Throw (S)		4 6 11	6 9 15	8 11 17	9 14 19	11 15 21	12 16 22	13 16 23	14 17 25
18	18	2.25	CFM		440	660	880	1100	1320	1430	1540	1760
			NC		<20	<20	24	30	35	37	39	43
			CFM (L)		170	250	330	410	500	540	580	660
			Throw (L)		6 8 17	8 12 22	11 17 26	14 20 29	17 22 31	18 23 33	19 24 34	21 26 36
			CFM (S)		110	170	220	280	330	360	390	440
			Throw (S)		5 7 14	7 10 18	9 14 21	11 17 23	14 18 26	15 19 27	16 20 28	17 21 30
21	21	3.06	CFM		600	900	1200	1500	1800	1960	2110	2410
			NC		<20	<20	25	31	36	38	40	44
			CFM (L)		230	340	450	560	680	740	790	900
			Throw (L)		6 10 19	10 15 26	13 19 30	16 24 34	19 26 37	21 27 38	23 28 40	25 30 43
			CFM (S)		150	230	300	380	450	490	530	600
			Throw (S)		5 8 16	8 12 21	11 16 24	13 19 27	16 21 30	17 22 31	19 23 32	20 25 35
24	24	4.00	CFM		790	1180	1580	1970	2360	2560	2760	3150
			NC		<20	<20	26	32	37	39	41	45
			CFM (L)		300	440	590	740	890	960	1040	1180
			Throw (L)		7 11 22	11 17 30	15 22 34	19 27 38	22 30 42	24 31 44	26 32 45	28 34 49
			CFM (S)		200	300	400	490	590	640	690	790
			Throw (S)		6 9 18	9 14 24	12 18 28	15 22 31	18 24 34	20 25 36	21 26 37	23 28 40
30	30	6.25	CFM		1230	1850	2470	3090	3700	4010	4320	4940
			NC		<20	20	28	34	39	41	43	47
			CFM (L)		460	690	930	1160	1390	1500	1620	1850
			Throw (L)		9 14 28	14 21 37	19 28 43	23 34 48	28 37 53	30 39 55	33 40 57	35 43 61
			CFM (S)		310	460	620	770	930	1000	1080	1240
			Throw (S)		8 11 23	11 17 30	15 23 35	19 28 39	23 30 43	25 32 45	27 33 46	29 35 50
33	33	7.56	CFM		1500	2240	2990	3740	4490	4860	5230	5980
			NC		<20	21	29	35	40	42	44	48
			CFM (L)		560	840	1120	1400	1680	1820	1960	2240
			Throw (L)		10 15 31	15 23 41	21 31 47	26 37 53	31 41 58	33 43 60	36 44 63	39 47 67
			CFM (S)		380	560	750	940	1120	1220	1310	1500
			Throw (S)		8 13 25	13 19 33	17 25 39	21 31 43	25 34 47	27 35 49	29 36 51	32 39 55
36	36	9.00	CFM		1780	2670	3560	4450	5340	5790	6230	7130
			NC		<20	22	30	36	41	43	45	49
			CFM (L)		670	1000	1340	1670	2000	2170	2340	2670
			Throw (L)		11 17 34	17 25 45	22 34 52	28 41 58	34 45 63	36 47 66	39 48 68	42 52 73
			CFM (S)		450	670	890	1110	1340	1450	1560	1780
			Throw (S)		9 14 27	14 21 37	18 27 42	23 33 47	27 37 52	30 38 54	32 39 56	34 42 60

For performance data notes see page B-36.

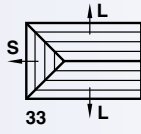
THROW PATTERN



NECK SIZE		NECK FT2	Neck Velocity		200	300	400	500	600	650	700	800															
W	H		Pt																								
9	6	0.38	CFM	70	110	140	180	210	230	250	280																
			NC	<20	<20	<20	22	27	29	31	35																
			CFM (L)	30	40	50	70	80	90	90	110																
			Throw (L)	2	3	6	3	5	9	4	6	10	6	8	12	6	9	13	7	9	13	8	10	14	8	10	14
			CFM (S)	20	30	40	60	70	70	80	80	90															
			Throw (S)	2	3	6	3	5	8	4	6	9	5	8	11	6	8	11	6	8	12	7	9	13	8	9	13
			12	6	0.50	CFM	100	140	190	240	290	310	330	380													
NC	<20	<20				<20	23	28	30	32	36																
CFM (L)	50	70				100	120	150	160	170	190																
Throw (L)	3	5				9	4	6	12	6	9	14	7	11	15	9	12	17	10	12	18	10	13	18	11	14	19
CFM (S)	30	40				50	60	70	80	80	100																
Throw (S)	2	3				7	3	5	8	4	6	10	5	8	11	6	9	12	7	9	12	7	9	13	8	10	14
15	6	0.63				CFM	120	180	240	300	360	390	420	480													
			NC	<20	<20	<20	24	29	31	33	37																
			CFM (L)	80	110	150	190	230	240	260	300																
			Throw (L)	4	6	11	6	8	15	7	11	17	9	14	19	11	15	21	12	16	22	13	16	23	14	17	24
			CFM (S)	20	30	50	60	70	70	80	90																
			Throw (S)	2	3	6	3	5	8	4	6	9	5	8	11	6	8	12	7	9	12	7	9	13	8	9	13
			18	6	0.75	CFM	140	220	290	360	430	470	500	580													
NC	<20	<20				<20	25	30	32	34	38																
CFM (L)	110	170				220	270	320	350	380	440																
Throw (L)	4	6				13	7	10	18	9	13	21	11	16	23	13	18	25	15	19	27	15	19	27	17	21	29
CFM (S)	20	30				40	50	50	60	60	70																
Throw (S)	2	3				5	3	4	7	4	5	9	5	7	9	5	7	10	6	8	11	6	8	11	7	9	12
12	9	0.75				CFM	140	220	290	360	430	470	510	580													
			NC	<20	<20	<20	25	30	32	34	38																
			CFM (L)	50	70	100	120	140	160	170	190																
			Throw (L)	3	4	9	5	7	12	6	9	14	7	11	15	9	12	17	10	13	18	10	13	18	11	14	20
			CFM (S)	50	70	100	120	140	160	170	190																
			Throw (S)	3	4	9	5	7	12	6	9	14	7	11	15	9	12	17	10	13	18	10	13	18	11	14	20
			15	9	0.94	CFM	180	270	360	450	540	590	630	730													
NC	<20	<20				20	26	31	33	35	39																
CFM (L)	80	110				150	190	230	250	260	300																
Throw (L)	4	6				11	6	8	15	7	11	17	9	14	19	11	15	21	12	16	22	13	16	23	14	17	25
CFM (S)	50	80				110	130	160	170	180	210																
Throw (S)	3	5				9	5	7	13	6	9	14	8	11	16	9	13	18	10	13	19	11	14	19	12	15	21
21	9	1.31				CFM	250	380	510	640	760	830	890	1020													
			NC	<20	<20	21	27	32	34	37	40																
			CFM (L)	150	220	300	370	440	480	520	600																
			Throw (L)	5	8	15	8	12	21	10	16	24	13	19	27	16	21	30	17	22	31	18	23	32	20	24	34
			CFM (S)	50	80	110	130	160	170	180	210																
			Throw (S)	3	5	9	5	7	13	6	9	15	8	12	16	9	13	18	10	13	19	11	14	19	12	15	21
			15	12	1.25	CFM	240	360	490	610	730	790	850	970													
NC	<20	<20				21	27	32	34	36	40																
CFM (L)	80	110				150	190	230	250	270	300																
Throw (L)	4	6				11	6	8	15	8	11	18	9	14	20	11	15	21	12	16	22	13	16	23	14	17	25
CFM (S)	80	120				170	210	250	270	290	330																
Throw (S)	4	6				12	6	9	16	8	12	18	10	14	20	12	16	22	13	16	23	14	17	24	15	18	26
18	12	1.50				CFM	290	440	580	730	880	950	1020	1170													
			NC	<20	<20	22	28	33	35	37	41																
			CFM (L)	110	170	220	270	330	360	380	440																
			Throw (L)	4	7	13	7	10	18	9	13	21	11	17	23	14	18	26	15	19	27	16	20	28	17	21	30
			CFM (S)	90	140	180	230	280	300	320	370																
			Throw (S)	4	6	12	6	9	17	8	12	19	10	15	21	12	17	23	13	17	24	14	18	25	16	19	27
			18	15	1.88	CFM	370	550	730	920	1100	1190	1280	1470													
NC	<20	<20				23	29	34	36	38	42																
CFM (L)	110	170				220	280	330	360	380	440																
Throw (L)	5	7				14	7	10	18	9	14	21	11	17	23	14	18	26	15	19	27	16	20	28	17	21	30
CFM (S)	130	190				260	320	390	420	450	510																
Throw (S)	5	7				15	7	11	20	10	15	23	12	18	25	15	20	28	16	20	29	17	21	30	19	23	32
21	18	2.63				CFM	510	770	1030	1290	1540	1670	1800	2060													
			NC	<20	<20	24	30	35	38	40	43																
			CFM (L)	150	220	300	380	450	490	530	600																
			Throw (L)	5	8	16	8	12	21	11	16	25	13	19	27	16	21	30	17	22	31	19	23	32	20	25	35
			CFM (S)	180	270	360	460	550	590	640	730																
			Throw (S)	6	9	17	9	13	23	12	18	27	15	21	30	17	23	33	19	24	34	20	25	36	22	27	38
			36	24	6.00	CFM	1180	1780	2370	2960	3550	3850	4150	4740													
NC	<20	20				28	34	39	41	43	47																
CFM (L)	440	670				890	1110	1330	1440	1560	1780																
Throw (L)	9	14				27	14	21	37	18	27	42	23	33	47	27	36	52	30	38	54	32	39	56	34	42	60
CFM (S)	370	560				740	930	1110	1200	1300	1480																
Throw (S)	8	12				25	13	19	33	17	25	38	21	30	43	25	33	47	27	35	49	29	36	51	31	38	54

For performance data notes see page B-36.

THROW PATTERN



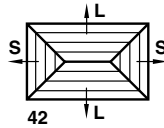
Square Diffusers

B

NECK SIZE		NECK FT2	Neck Velocity		200	300	400	500	600	650	700	800	
W	H		Pt		0.01	0.03	0.06	0.09	0.13	0.15	0.18	0.23	
9	6	0.38	CFM		70	110	140	180	210	230	250	280	
			NC		<20	<20	<20	22	27	29	31	35	
			CFM (L)		30	50	60	80	90	100	100	100	120
			Throw (L)		2 3 7	4 5 10	5 7 11	6 9 12	7 9 13	7 10 14	8 10 14	9 11 15	
			CFM (S)		10	20	20	30	40	40	40	50	
			Throw (S)		1 2 4	2 3 6	3 4 7	4 5 8	4 6 8	5 6 9	5 6 9	6 7 10	
12	6	0.50	CFM		100	140	190	240	290	310	330	380	
			NC		<20	<20	<20	23	28	30	32	36	
			CFM (L)		40	60	80	110	130	140	140	170	
			Throw (L)		3 4 9	4 6 11	5 8 13	7 10 14	8 11 16	9 12 16	10 12 17	11 13 18	
			CFM (S)		10	20	20	30	40	40	40	50	
			Throw (S)		2 2 5	2 3 6	3 4 7	4 5 8	4 6 9	5 6 9	5 6 9	6 7 10	
15	6	0.63	CFM		120	180	240	300	360	390	420	480	
			NC		<20	<20	<20	24	29	31	33	37	
			CFM (L)		50	80	110	140	160	180	190	220	
			Throw (L)		3 5 9	5 7 13	6 9 15	8 12 16	9 13 18	10 13 19	11 14 19	12 15 21	
			CFM (S)		10	20	20	30	40	40	40	50	
			Throw (S)		1 2 4	2 3 6	3 4 7	4 5 8	4 6 8	5 6 9	5 6 9	6 7 10	
12	9	0.75	CFM		140	220	290	360	430	470	510	580	
			NC		<20	<20	<20	25	30	32	34	38	
			CFM (L)		60	90	120	150	170	190	210	240	
			Throw (L)		3 5 10	5 7 13	7 10 15	8 12 17	10 13 19	11 14 20	12 14 20	13 15 22	
			CFM (S)		30	40	50	70	80	90	100	110	
			Throw (S)		2 3 6	3 5 9	4 7 10	6 8 12	7 9 13	7 9 13	8 10 14	9 10 15	
15	9	0.94	CFM		180	270	360	450	540	590	630	730	
			NC		<20	<20	20	26	31	33	35	39	
			CFM (L)		80	110	150	190	230	250	270	310	
			Throw (L)		4 6 11	6 8 15	7 11 17	9 14 20	11 15 21	12 16 22	13 16 23	14 18 25	
			CFM (S)		30	40	50	70	80	90	90	110	
			Throw (S)		2 3 7	3 5 9	4 7 10	6 8 12	7 9 13	7 9 13	8 10 14	9 10 15	
21	9	1.31	CFM		250	380	510	640	760	830	890	1020	
			NC		<20	<20	21	27	32	34	37	40	
			CFM (L)		110	170	230	290	340	370	400	460	
			Throw (L)		4 7 13	7 10 18	9 14 21	12 17 24	14 18 26	15 19 27	16 20 28	17 21 30	
			CFM (S)		30	40	50	70	80	90	100	110	
			Throw (S)		2 3 7	3 5 9	4 7 10	6 8 12	7 9 13	7 9 13	8 10 14	9 10 15	
15	12	1.25	CFM		240	360	490	610	730	790	850	970	
			NC		<20	<20	21	27	32	34	36	40	
			CFM (L)		100	140	200	240	290	320	340	390	
			Throw (L)		4 6 13	6 9 17	9 13 20	11 16 22	13 17 24	14 18 25	15 18 26	16 20 28	
			CFM (S)		50	70	100	120	150	160	170	190	
			Throw (S)		3 4 9	4 7 12	6 9 14	8 11 16	9 12 17	10 13 18	10 13 18	11 14 20	
18	12	1.50	CFM		290	440	580	730	880	950	1020	1170	
			NC		<20	<20	22	28	33	35	37	41	
			CFM (L)		120	180	240	300	370	400	430	490	
			Throw (L)		5 7 14	7 11 19	9 14 22	12 17 25	14 19 27	15 20 28	17 21 29	18 22 31	
			CFM (S)		50	70	100	120	150	160	170	200	
			Throw (S)		3 4 9	5 7 12	6 9 14	8 11 16	9 12 17	10 13 18	10 13 18	11 14 20	
24	18	3.00	CFM		590	880	1180	1470	1770	1910	2060	2360	
			NC		<20	<20	25	31	36	38	40	44	
			CFM (L)		240	360	480	600	720	780	840	960	
			Throw (L)		7 10 20	10 15 27	13 20 31	17 24 35	20 27 38	22 28 39	23 29 41	25 31 44	
			CFM (S)		110	170	220	280	330	360	390	440	
			Throw (S)		5 7 14	7 10 18	9 14 21	11 17 23	14 18 26	15 19 27	16 20 28	17 21 30	
30	24	5.00	CFM		990	1480	1970	2460	2960	3200	3450	3940	
			NC		<20	<20	27	33	38	40	42	46	
			CFM (L)		400	590	790	980	1180	1280	1380	1580	
			Throw (L)		9 13 26	13 19 34	17 26 40	21 31 44	26 34 49	28 36 51	30 37 53	32 40 56	
			CFM (S)		200	300	390	490	590	640	690	790	
			Throw (S)		6 9 18	9 14 24	12 18 28	15 22 31	18 24 34	20 25 36	21 26 37	23 28 40	
36	24	6.00	CFM		1180	1780	2370	2960	3550	3850	4150	4740	
			NC		<20	20	28	34	39	41	43	47	
			CFM (L)		490	740	990	1230	1480	1600	1730	1980	
			Throw (L)		10 14 29	14 22 39	19 29 44	24 35 50	29 38 54	31 40 57	34 42 59	36 44 63	
			CFM (S)		200	300	400	490	590	640	690	790	
			Throw (S)		6 9 18	9 14 24	12 18 28	15 22 31	18 24 34	20 25 36	21 26 37	23 28 40	

For performance data notes see page B-36.

**THROW
PATTERN**



NECK SIZE		NECK FT2	Neck Velocity		200	300	400	500	600	650	700	800															
W	H		Pt		0.01	0.03	0.06	0.09	0.13	0.15	0.18	0.23															
9	6	0.38	CFM		70	110	140	180	210	230	250	280															
			NC		<20	<20	<20	22	27	29	31	35															
			Throw (L)	2	3	6	3	5	9	4	6	10	5	8	11	6	8	12	7	9	12	7	9	13	8	10	14
			CFM (S)		10		20		20		30		40		40		40		40		40		40		50		
			Throw (S)	1	2	4	2	3	6	3	4	7	4	5	8	4	6	8	5	6	9	5	6	9	6	7	10
12	6	0.50	CFM		100	140	190	240	290	310	330	380															
			NC		<20	<20	<20	23	28	30	32	36															
			CFM (L)		40		50		70		90		110		120		120		120		120		140				
			Throw (L)	3	4	8	4	6	10	5	8	12	6	9	13	8	10	15	8	11	15	9	11	16	10	12	17
			CFM (S)		10		20		20		30		40		40		40		40		40		40		50		
Throw (S)	2	2	5	2	3	6	3	4	7	4	5	8	4	6	9	5	6	9	5	6	9	6	7	10			
15	6	0.63	CFM		120	180	240	300	360	390	420	480															
			NC		<20	<20	<20	24	29	31	33	37															
			CFM (L)		50		70		100		120		160		170		190										
			Throw (L)	3	4	9	4	7	12	6	9	14	7	11	15	9	12	17	10	12	18	10	13	18	11	14	20
			CFM (S)		10		20		20		30		40		40		40		40		40		40		50		
Throw (S)	1	2	4	2	3	6	3	4	7	4	5	8	4	6	8	5	6	9	5	6	9	6	7	10			
18	9	1.13	CFM		220	330	440	550	650	710	760	870															
			NC		<20	<20	21	27	32	34	36	39															
			CFM (L)		80		120		170		210		240		270		290		330								
			Throw (L)	4	6	12	6	9	16	8	12	18	10	14	20	12	16	22	13	16	23	14	17	24	15	18	26
			CFM (S)		30		40		60		70		80		90		100		110								
Throw (S)	2	3	7	3	5	9	5	7	10	6	8	12	7	9	13	7	9	13	8	10	14	9	10	15			
15	12	1.25	CFM		240	360	490	610	730	790	850	970															
			NC		<20	<20	21	27	32	34	36	40															
			CFM (L)		70		110		150		180		220		240		260		290								
			Throw (L)	4	5	11	5	8	15	7	11	17	9	14	19	11	15	21	12	15	22	13	16	23	14	17	24
			CFM (S)		50		70		100		120		150		160		170		190								
Throw (S)	3	4	9	4	7	12	6	9	14	8	11	16	9	12	17	10	13	18	10	13	18	11	14	20			
18	12	1.50	CFM		290	440	580	730	880	950	1020	1170															
			NC		<20	<20	22	28	33	35	37	41															
			CFM (L)		100		150		190		240		290		320		340		390								
			Throw (L)	4	6	13	6	10	17	8	13	20	11	16	22	13	17	24	14	18	25	15	18	26	16	20	28
			CFM (S)		50		70		100		120		150		160		170		200								
Throw (S)	3	4	9	5	7	12	6	9	14	8	11	16	9	12	17	10	13	18	10	13	18	11	14	20			
24	12	2.00	CFM		390	590	780	980	1170	1270	1370	1560															
			NC		<20	<20	23	29	34	36	38	42															
			CFM (L)		150		220		290		370		440		480		510		590								
			Throw (L)	5	8	16	8	12	21	10	16	24	13	19	27	16	21	30	17	22	31	18	23	32	20	24	34
			CFM (S)		50		70		100		120		150		160		170		200								
Throw (S)	3	5	9	5	7	12	6	9	14	8	11	16	9	12	17	10	13	18	11	13	19	11	14	20			
24	15	2.50	CFM		490	730	980	1220	1470	1590	1710	1960															
			NC		<20	<20	24	30	35	37	39	43															
			CFM (L)		170		250		340		420		510		550		590		670								
			Throw (L)	6	8	17	8	13	22	11	17	26	14	20	29	17	22	32	18	23	33	20	24	34	21	26	37
			CFM (S)		80		110		150		190		230		250		270		310								
Throw (S)	4	6	11	6	8	15	8	11	18	9	14	20	11	15	21	12	16	22	13	16	23	14	18	25			
24	18	3.00	CFM		590	880	1180	1470	1770	1910	2060	2360															
			NC		<20	<20	25	31	36	38	40	44															
			CFM (L)		180		280		370		460		550		600		640		740								
			Throw (L)	6	9	18	9	13	23	12	18	27	15	21	30	18	24	33	19	24	35	21	25	36	22	27	38
			CFM (S)		110		170		220		280		330		360		390		440								
Throw (S)	5	7	14	7	10	18	9	14	21	11	17	23	14	18	26	15	19	27	16	20	28	17	21	30			
30	21	4.38	CFM		860	1290	1720	2150	2590	2800	3020	3450															
			NC		<20	<20	27	33	38	40	42	45															
			CFM (L)		280		420		560		700		840		910		980		1120								
			Throw (L)	7	11	22	11	16	29	14	22	33	18	26	37	22	29	41	24	30	43	25	31	44	27	33	47
			CFM (S)		150		230		300		380		450		490		530		600								
Throw (S)	5	8	16	8	12	21	11	16	25	13	19	27	16	21	30	17	22	31	19	23	33	20	25	35			
36	24	6.00	CFM		1180	1780	2370	2960	3550	3850	4150	4740															
			NC		<20	20	28	34	39	41	43	47															
			CFM (L)		390		590		790		990		1180		1280		1380		1580								
			Throw (L)	9	13	26	13	19	34	17	26	40	22	31	44	26	34	49	28	36	51	30	37	53	32	40	56
			CFM (S)		200		300		400		490		590		640		690		790								
Throw (S)	6	9	18	9	14	24	12	18	28	15	22	31	18	24	34	20	25	36	21	26	37	23	28	40			

For performance data notes see page B-36.

Square Diffusers

B

Test Standard

- ANSI / ASHRAE Standard 70

Sound Levels

- NC is noise criteria curve that will not be exceeded at the operating point for the supply air volume shown. This is determined by assuming a 10dB (ref:10-12 watts) room attenuation that is subtracted from the power levels in each of the 2nd thru 7th octave bands.

Neck Velocity

- Feet per minute (fpm), measured in the supply duct.

Throw

- The numbers shown are throw distances, in feet, measured along the jet trajectory axis relating to terminal velocities of 150,100, & 50 fpm, with the jet attached to the ceiling surface. For exposed duct installation with free, unattached jet, multiply throw distances shown in table x .70

Pressure

- Pt represents Total Pressure, inches of water, measured in the supply duct.

