

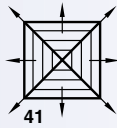
**MODELS DF, DM, DP, DD
PATTERN 41**

4 WAY PATTERN (41)	NECK VELOCITY, FPM							
		200	300	400	500	600	700	800
6 x 6	SP _H	.02	.03	.06	.10	.14	.19	.23
	SP _V	.04	.09	.16	.25	.36	.49	.64
9 x 9	CFM	50	75	100	125	150	175	200
	THROW	1-4	2-6	3-6	4-7	5-8	5-9	6-9
	NC _H	<20	<20	<20	<20	24	28	32
	PROJ	7	10	10	12	14	16	16
	NC _V	<20	24	32	38	43	48	51
12 x 12	CFM	115	170	225	280	340	395	450
	THROW	2-6	4-8	5-10	6-11	7-12	8-13	9-14
	NC _H	<20	<20	<20	23	28	32	36
	PROJ	10	13	16	18	19	21	23
	NC _V	<20	25	33	39	44	49	52
15 x 15	CFM	200	300	400	500	600	700	800
	THROW	2-7	5-11	6-13	8-14	9-16	11-17	12-18
	NC _H	<20	<20	21	27	32	37	40
	PROJ	12	19	23	24	28	29	31
	NC _V	<20	25	33	40	45	49	53
18 x 18	CFM	315	470	625	780	940	1095	1250
	THROW	3-9	6-14	8-16	10-18	12-20	14-21	15-23
	NC _H	<20	<20	23	30	35	39	43
	PROJ	14	21	25	28	31	32	35
	NC _V	<20	25	33	40	45	49	53
21 x 21	CFM	450	675	900	1125	1350	1575	1800
	THROW	4-11	7-17	9-19	12-22	14-24	16-26	18-27
	NC _H	<20	<20	25	31	37	41	45
	PROJ	17	27	30	35	38	41	43
	NC _V	<20	25	33	40	45	49	53
24 x 24	CFM	615	920	1225	1530	1840	2145	2450
	THROW	4-13	8-20	11-23	14-25	16-28	19-30	21-32
	NC _H	<20	<20	27	34	39	43	47
	PROJ	18	28	32	35	39	42	45
	NC _V	<20	26	34	40	45	49	53
24 x 24	CFM	800	1200	1600	2000	2400	2800	3200
	THROW	5-15	9-22	12-26	16-29	19-32	22-34	24-37
	NC _H	<20	21	29	35	40	44	48
	PROJ	21	31	37	41	45	48	52
	NC _V	<20	26	34	40	45	49	53

- SP_H Static Pressure with PF Flaps up for a horizontal air pattern, Inches W.G.
- SP_V Static Pressure with PF Flaps down for a Vertical Projection Pattern, Inches W.G.
- Throw Horizontal distance, in Feet, that the airstream travels to Terminal Velocities, V_T, of 300 & 125 FPM. Respectively
- PROJ Vertical Projection Distance, in Feet, that the airstream travels to a Terminal Velocity, V_t, of 50 FPM, for an Isothermal Jet. See Table below for Heating & Cooling Adjustment Factors, Multiplying Value above by appropriate Factor
- NC_H Noise Criteria of Sound Pressure Levels with PF Flaps up, with 10 dB room absorption (L_W ref: 10⁻¹² watts)
- NC_V Noise Criteria of Sound Pressure Levels with PF Flaps down, with 10 dB room absorption (L_W ref: 10⁻¹² watts)

VERTICAL PROJECTION ADJUSTMENT FACTORS			
DIFFERENTIAL	Δ COOLING = 20° F	Δ HEATING = 20° F	Δ HEATING = 40° F
FACTOR	1.30	.75	.45

THROW PATTERN

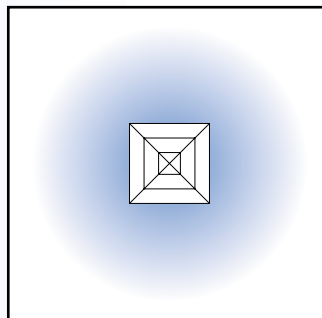


NECK SIZE		NECK FT2	Neck Velocity		200	300	400	500	600	700	800	900
W	H		Pt									
6	6	0.25	CFM		50	70	90	120	140	160	190	210
			NC		<20	<20	<20	<20	24	28	32	35
			Throw		2 3 5	3 4 6	4 5 6	4 6 7	5 6 8	5 6 9	6 6 10	6 7 10
			CFM		110	160	220	270	320	380	430	490
9	9	0.56	NC		<20	<20	<20	23	28	32	36	39
			Throw		3 5 7	5 6 9	6 7 10	6 8 11	7 9 12	8 10 14	8 10 14	9 10 15
			CFM		190	290	390	480	580	680	780	870
			NC		<20	<20	<20	25	30	34	38	41
12	12	1.00	Throw		4 6 10	6 8 11	8 10 14	9 10 15	10 11 16	10 13 18	11 14 19	11 14 20
			CFM		300	460	610	760	910	1070	1220	1370
			NC		<20	<20	21	27	32	36	40	43
			Throw		5 7 12	8 10 14	10 12 17	11 14 18	12 14 21	13 16 22	14 17 24	14 18 25
15	15	1.56	CFM		440	660	880	1100	1320	1540	1760	1980
			NC		<20	<20	23	29	34	38	42	45
			Throw		6 9 14	9 12 18	12 14 20	13 16 22	14 18 25	15 19 26	17 20 29	18 22 30
			CFM		600	900	1200	1500	1800	2110	2410	2710
21	21	3.06	NC		<20	<20	24	30	35	39	43	46
			Throw		7 10 17	10 14 20	14 17 23	15 18 26	17 20 29	18 22 31	19 23 34	21 25 35
			CFM		790	1180	1580	1970	2360	2760	3150	3540
			NC		<20	<20	25	31	36	41	44	47
24	24	4.00	Throw		8 12 19	12 17 23	15 19 27	18 22 30	19 23 33	21 26 36	22 27 38	23 29 40
			CFM		1000	1500	2000	2500	3000	3490	3990	4490
			NC		<20	<20	26	32	37	42	45	48
			Throw		10 14 22	14 18 26	18 22 30	19 24 34	22 26 37	23 28 40	25 30 43	26 32 46
30	30	6.25	CFM		1230	1850	2470	3090	3700	4320	4940	5550
			NC		<20	<20	27	33	38	42	46	49
			Throw		10 15 24	15 21 29	19 24 34	22 26 38	24 29 42	26 31 45	27 34 48	29 36 50
			CFM		1500	2240	2990	3740	4490	5230	5980	6730
33	33	7.56	NC		<20	20	28	34	39	43	47	50
			Throw		11 17 26	17 22 32	22 26 37	24 30 42	26 32 46	28 34 49	30 37 53	32 39 56
			CFM		1780	2670	3560	4450	5340	6230	7130	8020
			NC		<20	21	29	35	40	44	48	51
36	36	9.00	Throw		12 18 29	18 25 35	23 29 41	26 32 46	29 35 50	31 38 54	33 41 58	35 43 61
			CFM		2430	3640	4860	6070	7280	8500	9710	10930
			NC		<20	22	30	36	41	45	49	52
			Throw		14 22 34	22 29 41	27 34 47	30 38 53	34 41 58	36 44 62	38 47 67	41 50 71
42	42	12.25	CFM		2790	4180	5580	6970	8370	9760	11160	12550
			NC		<20	23	31	37	42	46	50	53
			Throw		15 23 36	23 31 44	30 36 50	33 40 57	36 44 62	38 47 67	42 50 72	44 54 76
			CFM		3180	4760	6350	7940	9530	11110	12700	14290
45	45	14.06	NC		<20	23	31	37	42	46	50	53
			Throw		17 25 38	25 33 47	31 38 54	35 42 61	38 47 66	42 50 71	44 54 77	47 58 81
			CFM		2790	4180	5580	6970	8370	9760	11160	12550
			NC		<20	23	31	37	42	46	50	53
48	48	16.00	Throw		17 25 38	25 33 47	31 38 54	35 42 61	38 47 66	42 50 71	44 54 77	47 58 81
			CFM		3180	4760	6350	7940	9530	11110	12700	14290
			NC		<20	23	31	37	42	46	50	53
			Throw		17 25 38	25 33 47	31 38 54	35 42 61	38 47 66	42 50 71	44 54 77	47 58 81

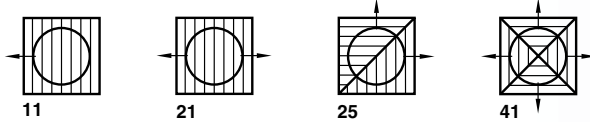
Square Diffusers

B

For performance data notes see page B-24. Do not use TRV adjustments shown in notes.



THROW PATTERNS

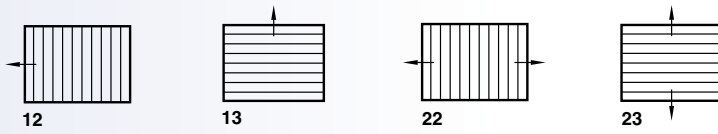


ROUND NECK

NECK SIZE		NECK DIAMETER	Neck Velocity		200	300	400	500	600	700	800	900															
W	H		Pt		0.01	0.02	0.04	0.06	0.09	0.12	0.16	0.20															
6	6	6"ø	CFM		40	60	80	100	120	140	160	180															
			NC		<20	<20	<20	<20	<20	22	25	29															
			4 Way - 41 Pattern	2	3	5	3	5	7	4	5	8	5	6	8	5	7	9	6	7	10	6	8	11	7	8	11
			2 way - 21 & 25 Patterns	3	4	7	4	6	9	6	7	10	7	8	11	7	9	12	8	10	13	8	10	14	9	11	15
9	9	6"ø	CFM		40	60	80	100	120	140	160	180															
			NC		<20	<20	<20	<20	<20	22	25	29															
			4 Way - 41 Pattern	2	3	5	3	5	7	4	5	8	5	6	8	5	7	9	6	7	10	6	8	11	7	8	11
			2 way - 21 & 25 Patterns	3	4	7	4	6	9	6	7	10	7	8	11	7	9	12	8	10	13	8	10	14	9	11	15
9	9	8"ø	CFM		70	110	140	180	210	250	280	320															
			NC		<20	<20	<20	<20	20	24	28	31															
			4 Way - 41 Pattern	3	5	7	5	6	9	6	7	10	7	8	11	7	9	12	8	9	13	8	10	14	9	11	15
			2 way - 21 & 25 Patterns	4	6	10	6	8	12	8	10	13	9	11	15	10	12	16	10	13	18	11	13	19	12	14	20
12	12	8"ø	CFM		70	110	140	180	210	250	280	320															
			NC		<20	<20	<20	<20	20	24	28	31															
			4 Way - 41 Pattern	3	5	7	5	6	9	6	7	10	7	8	11	7	9	12	8	9	13	8	10	14	9	11	15
			2 way - 21 & 25 Patterns	4	6	10	6	8	12	8	10	13	9	11	15	10	12	16	10	13	18	11	13	19	12	14	20
12	12	10"ø	CFM		110	170	220	280	330	390	440	500															
			NC		<20	<20	<20	<20	22	26	30	33															
			4 Way - 41 Pattern	4	6	9	6	8	11	7	9	13	8	10	14	9	11	15	10	12	17	10	13	18	11	13	19
			2 way - 21 & 25 Patterns	5	7	12	8	10	15	10	12	17	11	13	19	12	15	21	13	16	22	14	17	24	15	18	25
12	12	12"ø	CFM		160	240	310	390	470	550	630	710															
			NC		<20	<20	<20	<20	23	28	31	34															
			4 Way - 41 Pattern	5	7	11	7	9	13	9	11	15	10	12	17	11	13	18	11	14	20	12	15	21	13	16	23
			2 way - 21 & 25 Patterns	6	9	14	9	12	18	11	14	20	13	16	22	14	17	25	15	19	27	16	20	29	18	21	30
15	15	12"ø	CFM		160	240	310	390	470	550	630	710															
			NC		<20	<20	<20	<20	23	28	31	34															
			4 Way - 41 Pattern	5	7	11	7	9	13	9	11	15	10	12	17	11	13	18	11	14	20	12	15	21	13	16	23
			2 way - 21 & 25 Patterns	6	9	14	9	12	18	11	14	20	13	16	22	14	17	25	15	19	27	16	20	29	18	21	30
15	15	14"ø	CFM		210	320	430	530	640	750	860	960															
			NC		<20	<20	<20	20	25	29	33	36															
			4 Way - 41 Pattern	5	8	12	8	11	15	10	12	18	11	14	20	12	15	21	13	16	23	14	18	25	15	19	26
			2 way - 21 & 25 Patterns	7	10	16	10	14	20	14	17	24	15	19	26	17	20	29	18	22	31	19	24	33	20	25	35
18	18	6"ø	CFM		40	60	80	100	120	140	160	180															
			NC		<20	<20	<20	<20	<20	22	25	29															
			4 Way - 41 Pattern	2	3	5	3	5	7	4	5	8	5	6	8	5	7	9	6	7	10	6	8	11	7	8	11
			2 way - 21 & 25 Patterns	3	4	7	4	6	9	6	7	10	7	8	11	7	9	12	8	10	13	8	10	14	9	11	15
18	18	8"ø	CFM		70	110	140	180	210	250	280	320															
			NC		<20	<20	<20	<20	20	24	28	31															
			4 Way - 41 Pattern	3	5	7	5	6	9	6	7	10	7	8	11	7	9	12	8	9	13	8	10	14	9	11	15
			2 way - 21 & 25 Patterns	4	6	10	6	8	12	8	10	13	9	11	15	10	12	16	10	13	18	11	13	19	12	14	20
18	18	10"ø	CFM		110	170	220	280	330	390	440	500															
			NC		<20	<20	<20	<20	22	26	30	33															
			4 Way - 41 Pattern	4	6	9	6	8	11	7	9	13	8	10	14	9	11	15	10	12	17	10	13	18	11	13	19
			2 way - 21 & 25 Patterns	5	7	12	8	10	15	10	12	17	11	13	19	12	15	21	13	16	22	14	17	24	15	18	25
18	18	12"ø	CFM		160	240	310	390	470	550	630	710															
			NC		<20	<20	<20	<20	23	28	31	34															
			4 Way - 41 Pattern	5	7	11	7	9	13	9	11	15	10	12	17	11	13	18	11	14	20	12	15	21	13	16	23
			2 way - 21 & 25 Patterns	6	9	14	9	12	18	11	14	20	13	16	22	14	17	25	15	19	27	16	20	29	18	21	30
18	18	14"ø	CFM		210	320	430	530	640	750	860	960															
			NC		<20	<20	<20	20	25	29	33	36															
			4 Way - 41 Pattern	5	8	12	8	11	15	10	12	18	11	14	20	12	15	21	13	16	23	14	18	25	15	19	26
			2 way - 21 & 25 Patterns	7	10	16	10	14	20	14	17	24	15	19	26	17	20	29	18	22	31	19	24	33	20	25	35
18	18	16"ø	CFM		280	420	560	700	840	980	1120	1260															
			NC		<20	<20	<20	21	26	30	34	37															
			4 Way - 41 Pattern	6	9	14	9	12	17	12	14	20	13	16	22	14	17	25	15	19	27	16	20	28	17	21	30
			2 way - 21 & 25 Patterns	8	12	19	12	16	23	16	19	27	17	21	30	19	23	33	21	25	36	22	27	38	23	29	40
1 way - 11 Pattern	11	16	27	16	23	33	22	27	38	25	30	43	27	33	47	29	36	50	31	38	54	33	40	57			

For performance data notes see page B-24.

THROW PATTERNS



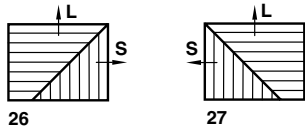
Square Diffusers

B

NECK SIZE		NECK FT ²	Neck Velocity		200	300	400	500	600	700	800	900
W	H		Pt	CFM	Pt		Pt		Pt		Pt	
9	6	0.38	CFM	70	110	140	180	210	250	280	320	
			NC	<20	<20	<20	<20	20	24	28	31	
			2 way - 22 & 23 Patterns	4 6 10	6 8 12	8 10 13	9 11 15	10 12 16	10 13 18	11 13 19	12 14 20	12 14 20
12	6	0.50	CFM	100	140	190	240	290	330	380	430	
			NC	<20	<20	<20	<20	21	25	29	32	
			2 way - 22 & 23 Patterns	5 7 11	7 10 13	9 11 16	10 12 18	11 14 19	12 15 21	13 16 22	14 17 24	14 17 24
15	6	0.63	CFM	120	180	240	300	360	420	480	540	
			NC	<20	<20	<20	<20	22	26	30	33	
			2 way - 22 & 23 Patterns	5 8 12	8 11 15	10 12 18	11 14 20	12 15 22	13 16 23	14 18 25	15 19 26	15 19 26
12	9	0.75	CFM	140	220	290	360	430	510	580	650	
			NC	<20	<20	<20	<20	23	27	31	34	
			2 way - 22 & 23 Patterns	5 8 13	8 12 17	11 14 19	12 15 22	14 17 24	15 18 26	16 19 27	17 21 29	17 21 29

For performance data notes see page B-24.

THROW PATTERNS



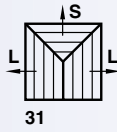
NECK SIZE		NECK FT ²	Neck Velocity		200	300	400	500	600	700	800	900																
W	H		Pt																									
9	6	0.38	CFM		70	110	140	180	210	250	280	320																
			NC		<20	<20	<20	<20	20	24	28	31																
			CFM (L)		50	70	90	120	140	170	190	210																
			Throw (L)		5	7	12	8	10	15	9	12	16	11	13	19	12	14	20	13	15	22	13	16	23	14	18	25
			CFM (S)		20		40		50		60		70		80		90		110									
			Throw (S)		3	5	8	5	7	10	7	8	12	8	9	13	8	10	14	9	11	15	9	12	16	10	12	18
12	6	0.50	CFM		100	140	190	240	290	330	380	430																
			NC		<20	<20	<20	<20	21	25	29	32																
			CFM (L)		80	110	140	180	220	250	290	320																
			Throw (L)		6	9	15	9	12	17	12	14	20	13	16	23	14	18	25	15	19	27	17	20	29	18	22	30
			CFM (S)		20		30		50		60		70		80		90		110									
			Throw (S)		4	5	8	5	7	10	7	8	12	8	9	13	8	10	14	9	11	15	10	12	17	10	12	18
15	6	0.63	CFM		120	180	240	300	360	420	480	540																
			NC		<20	<20	<20	<20	22	26	30	33																
			CFM (L)		100	140	190	240	290	340	380	430																
			Throw (L)		7	10	17	10	14	20	14	17	24	15	19	26	17	20	29	18	22	31	19	24	33	20	25	35
			CFM (S)		20		40		50		60		70		80		100		110									
			Throw (S)		3	5	8	5	7	10	7	8	12	8	9	13	8	10	14	9	11	16	10	12	17	10	12	18
12	9	0.75	CFM		140	220	290	360	430	510	580	650																
			NC		<20	<20	<20	<20	23	27	31	34																
			CFM (L)		90	140	180	230	270	320	360	410																
			Throw (L)		7	10	16	10	14	20	13	16	23	15	18	25	16	20	28	17	21	30	19	23	32	20	24	34
			CFM (S)		50		80		110		130		160		190		220		240									
			Throw (S)		5	8	12	8	11	15	10	13	18	11	14	20	12	15	22	14	17	23	14	18	25	15	19	26
15	9	0.94	CFM		180	270	360	450	540	630	730	820																
			NC		<20	<20	<20	<20	24	28	32	35																
			CFM (L)		130	190	250	320	380	440	510	570																
			Throw (L)		8	12	19	12	16	23	16	19	27	17	21	30	19	23	33	21	25	36	22	27	38	23	29	41
			CFM (S)		50		80		110		130		160		190		220		250									
			Throw (S)		5	8	12	8	11	15	10	12	18	11	14	20	12	15	22	13	16	23	14	18	25	15	19	27
15	12	1.25	CFM		240	360	490	610	730	850	970	1090																
			NC		<20	<20	<20	20	25	29	33	36																
			CFM (L)		140	220	290	370	440	510	580	650																
			Throw (L)		9	13	20	13	18	25	17	21	29	19	23	32	21	25	36	22	27	38	24	29	41	25	31	43
			CFM (S)		100		140		200		240		290		340		390		440									
			Throw (S)		7	10	17	10	14	20	14	17	24	15	19	27	17	21	29	18	22	31	19	24	33	20	25	35
18	12	1.50	CFM		290	440	580	730	880	1020	1170	1320																
			NC		<20	<20	<20	21	26	30	34	37																
			CFM (L)		190	290	390	490	590	680	780	880																
			Throw (L)		10	15	24	15	21	29	19	24	33	22	26	37	24	29	41	26	31	44	27	34	47	29	36	50
			CFM (S)		100		150		190		240		290		340		390		440									
			Throw (S)		7	11	17	11	15	21	14	17	24	15	19	26	17	21	29	18	22	31	19	24	34	21	25	36
18	15	1.88	CFM		370	550	730	920	1100	1280	1470	1650																
			NC		<20	<20	<20	22	27	31	35	38																
			CFM (L)		220	320	430	540	640	750	860	960																
			Throw (L)		11	16	25	16	21	30	20	25	35	23	28	39	25	30	43	27	33	46	29	35	50	30	37	53
			CFM (S)		150		230		300		380		460		530		610		690									
			Throw (S)		9	13	21	13	18	26	17	21	30	19	23	33	21	26	36	23	28	39	24	30	42	26	31	44
24	18	3.00	CFM		590	880	1180	1470	1770	2060	2360	2650																
			NC		<20	<20	<20	24	29	33	37	40																
			CFM (L)		370	550	740	920	1110	1290	1480	1660																
			Throw (L)		14	21	33	21	28	40	27	33	46	30	36	51	33	40	56	35	43	61	38	46	65	40	49	69
			CFM (S)		220		330		440		550		660		770		880		990									
			Throw (S)		11	16	25	16	22	31	21	25	36	23	28	40	25	31	44	27	33	47	29	36	50	31	38	53
30	18	3.75	CFM		740	1110	1480	1840	2210	2580	2950	3320																
			NC		<20	<20	<20	25	30	34	38	41																
			CFM (L)		520	780	1040	1290	1550	1810	2070	2330																
			Throw (L)		16	25	39	25	33	47	32	39	55	35	43	61	39	47	67	42	51	72	45	55	77	47	58	82
			CFM (S)		220		330		440		550		660		770		880		1000									
			Throw (S)		11	16	25	16	22	31	21	25	36	23	28	40	25	31	44	27	33	47	29	36	50	31	38	54
36	24	6.00	CFM		1180	1780	2370	2960	3550	4150	4740	5330																
			NC		<20	<20	21	27	32	36	40	43																
			CFM (L)		790	1190	1580	1970	2370	2770	3160	3550																
			Throw (L)		20	30	48	31	41	58	39	48	67	44	53	75	48	58	83	52	63	89	55	67	95	58	72	101
			CFM (S)		390		590		790		990		1180		1380		1580		1780									
			Throw (S)		14	21	34	22	29	41	28	34	48	31	38	53	34	41	58	36	45	63	39	48	67	41	51	72
48	24	8.00	CFM		1580	2370	3160	3950	4740	5530	6330	7120																
			NC		<20	<20	22	28	33	38	41	44																
			CFM (L)		1190	1780	2370	2960	3560	4150	4750	5340																
			Throw (L)		25	37	58	37	51	72	48	58	83	53	65	92	58	72	101	63	77	109	68	83	117	72	88	124
			CFM (S)		390		590		790		990		1180		1380		1580		1780									
			Throw (S)		14	22	34	22	29	41	28	34	48	31	38	53	34	41	58	36	45	63	39	48	68	41	51	72

For performance data notes see page B-24.

Square Diffusers

B

**THROW
PATTERN**



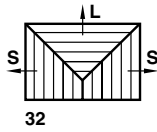
Square Diffusers

B

NECK SIZE		NECK FT ²	Neck Velocity	200	300	400	500	600	700	800	900																			
W	H			Pt	0.01	0.02	0.04	0.06	0.09	0.12	0.16	0.20																		
6	6	0.25	CFM	50	70	90	120	140	160	190	210																			
			NC	<20	<20	<20	<20	<20	22	26	29																			
			CFM (L)	20	30	30	50	50	60	70	80																			
			Throw (L)	3	5	7	4	6	9	6	7	10	7	8	11	7	9	12	8	9	13	8	10	14	9	11	15			
			CFM (S)	10		20		20		30		40		50																
			Throw (S)	3	4	6	4	5	7	5	6	8	5	7	9	6	7	10	6	8	11	7	8	12	7	9	12			
9	9	0.56	CFM	110	160	220	270	320	380	430	490																			
			NC	<20	<20	<20	<20	22	26	30	33																			
			CFM (L)	40	60	80	100	120	140	160	180																			
			Throw (L)	5	7	11	7	9	13	9	11	15	10	12	17	11	13	19	12	14	20	12	15	22	13	16	23			
			CFM (S)	30	40	60	70	80	100	80	100	110	120																	
			Throw (S)	4	6	9	5	8	11	7	9	13	8	10	14	9	11	15	10	12	17	10	12	18	11	13	19			
12	12	1.00	CFM	190	290	390	480	580	680	780	830																			
			NC	<20	<20	<20	<20	24	28	32	35																			
			CFM (L)	70	110	150	180	220	260	290	330																			
			Throw (L)	6	9	14	9	13	18	12	15	21	13	16	23	14	18	25	16	19	27	17	21	29	18	22	31			
			CFM (S)	50	70	100	120	150	170	200	220																			
			Throw (S)	5	7	12	7	10	14	10	12	17	11	13	19	12	14	20	13	16	22	14	17	24	14	18	25			
15	15	1.56	CFM	300	460	610	760	910	1070	1220	1370																			
			NC	<20	<20	<20	21	26	30	34	37																			
			CFM (L)	110	170	230	290	340	400	460	510																			
			Throw (L)	8	11	18	12	16	22	15	18	26	17	20	29	18	22	31	20	24	34	21	26	36	22	27	38			
			CFM (S)	80	120	150	190	230	270	310	340																			
			Throw (S)	6	9	15	9	13	18	12	15	21	14	17	23	15	18	26	16	20	28	17	21	30	18	22	31			
18	18	2.25	CFM	440	660	880	1100	1320	1540	1760	1980																			
			NC	<20	<20	<20	23	28	32	36	39																			
			CFM (L)	170	250	330	410	500	580	660	740																			
			Throw (L)	9	14	22	14	19	27	18	22	31	20	24	34	22	27	38	24	29	41	25	31	44	27	33	46			
			CFM (S)	110	170	220	280	330	390	440	500																			
			Throw (S)	8	11	18	11	15	22	15	18	25	16	20	28	18	22	31	19	24	33	21	25	36	22	27	38			
21	21	3.06	CFM	600	900	1200	1500	1800	2110	2410	2710																			
			NC	<20	<20	<20	24	29	33	37	40																			
			CFM (L)	230	340	450	560	680	790	900	1020																			
			Throw (L)	11	16	25	16	22	31	21	25	36	23	28	40	25	31	44	28	34	48	29	36	51	31	38	54			
			CFM (S)	150	230	300	380	450	530	600	680																			
			Throw (S)	9	13	21	13	18	25	17	21	29	19	23	33	21	25	36	23	28	39	24	29	42	26	31	44			
24	24	4.00	CFM	790	1180	1580	1970	2360	2760	3150	3540																			
			NC	<20	<20	<20	25	30	35	38	41																			
			CFM (L)	300	440	590	740	890	1040	1180	1330																			
			Throw (L)	12	19	29	19	25	36	24	29	41	27	33	46	29	36	50	32	39	55	34	41	58	36	44	62			
			CFM (S)	200	300	400	490	590	690	790	890																			
			Throw (S)	10	15	24	15	21	29	19	24	34	22	27	38	24	29	41	26	32	45	27	34	48	29	36	50			
30	30	6.25	CFM	1230	1850	2470	3090	3700	4320	4940	5550																			
			NC	<20	<20	21	27	32	36	40	43																			
			CFM (L)	460	690	930	1160	1390	1620	1850	2080																			
			Throw (L)	15	23	36	23	32	45	30	37	52	33	41	58	36	45	63	39	48	68	42	52	73	45	55	77			
			CFM (S)	310	460	620	770	930	1080	1240	1390																			
			Throw (S)	13	19	30	19	26	36	24	30	42	27	33	47	30	36	52	32	39	56	34	42	60	36	45	63			
33	33	7.56	CFM	1500	2240	2990	3740	4490	5230	5980	6730																			
			NC	<20	<20	22	28	33	37	41	44																			
			CFM (L)	560	840	1120	1400	1680	1960	2240	2520																			
			Throw (L)	17	26	40	26	35	49	33	40	57	37	45	64	40	49	70	43	53	75	46	57	80	49	60	85			
			CFM (S)	380	560	750	940	1120	1310	1500	1680																			
			Throw (S)	14	21	33	21	28	40	27	33	46	30	37	52	33	40	57	35	43	61	38	46	66	40	49	70			
36	36	9.00	CFM	1780	2670	3560	4450	5340	6230	7130	8020																			
			NC	<20	<20	23	29	34	38	42	45																			
			CFM (L)	670	1000	1340	1670	2000	2340	2670	3010																			
			Throw (L)	19	28	44	28	38	54	36	44	62	40	49	69	44	54	76	47	58	82	51	62	88	54	66	93			
			CFM (S)	450	670	890	1110	1340	1560	1780	2010																			
			Throw (S)	15	23	36	23	31	44	29	36	51	33	40	57	36	44	62	39	47	67	41	51	72	44	54	76			
42	42	12.25	CFM	2430	3640	4860	6070	7280	8500	9710	10930																			
			NC	<20	<20	24	30	35	39	43	46																			
			CFM (L)	910	1370	1820	2280	2730	3190	3640	4100																			
			Throw (L)	22	33	51	33	44	63	42	51	72	47	57	81	51	63	89	55	68	96	59	72	102	63	77	109			
			CFM (S)	610	910	1220	1520	1820	2130	2430	2730																			
			Throw (S)	18	27	42	27	36	51	34	42	59	38	47	66	42	51	72	45	55	78	48	59	84	51	63	89			
48	48	16.00	CFM	3180	4760	6350	7940	9530	11110	12700	14290																			
			NC	<20	<20	25	31	36	41	44	48																			
			CFM (L)	1190	1790	2380	2980	3570	4170	4760	5360																			
			Throw (L)	25	38	59	37	51	72	48	59	83	53	65	93	53	65	93	59	72	101	63	77	110	68	83	117	72	88	124
			CFM (S)	800	1190	1590	1990	2380	2780	3180	3570																			
			Throw (S)	20	31	48	31	41	59	39	48	68	44	53	76	48	59	83	52	63	89	55	68	96	59	72	101			

For performance data notes see page B-24.

THROW PATTERN



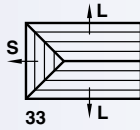
NECK SIZE		NECK FT ²	Neck Velocity	200	300	400	500	600	700	800	900																
W	H		Pt	0.01	0.02	0.04	0.06	0.09	0.12	0.16	0.20																
9	6	0.38	CFM	70	110	140	180	210	250	280	320																
			NC	<20	<20	<20	<20	20	24	28	31																
			CFM (L)	30	40	50	70	80	90	110	120																
			Throw (L)	4	5	9	6	8	11	7	9	12	8	10	14	9	11	15	9	12	16	10	12	17	11	13	19
			CFM (S)	20	30	40	60	70	80	90	100																
			Throw (S)	3	5	8	5	7	10	6	8	11	7	9	13	8	10	14	9	11	15	9	11	16	10	12	17
12	6	0.50	CFM	100	140	190	240	290	330	380	430																
			NC	<20	<20	<20	<20	21	25	29	32																
			CFM (L)	50	70	100	120	150	170	190	220																
			Throw (L)	5	8	12	7	10	14	10	12	17	11	13	19	12	14	20	13	15	22	14	17	23	14	18	25
			CFM (S)	30	40	50	60	70	80	100	110																
			Throw (S)	4	5	8	5	7	10	7	8	12	8	9	13	8	10	14	9	11	15	10	12	17	10	12	18
15	6	0.63	CFM	120	180	240	300	360	420	480	540																
			NC	<20	<20	<20	<20	22	26	30	33																
			CFM (L)	80	110	150	190	230	260	300	340																
			Throw (L)	6	9	15	9	13	18	12	15	21	13	16	23	15	18	25	16	19	27	17	21	29	18	22	31
			CFM (S)	30	40	50	60	70	80	90	100																
			Throw (S)	3	5	8	5	7	10	7	8	11	7	9	13	8	10	14	9	11	15	9	11	16	10	12	17
18	6	0.75	CFM	140	220	290	360	430	500	580	650																
			NC	<20	<20	<20	<20	23	27	31	34																
			CFM (L)	110	170	220	270	320	380	440	490																
			Throw (L)	7	11	17	11	15	22	14	18	25	16	20	28	18	22	30	19	23	33	20	25	35	22	26	37
			CFM (S)	20	30	40	50	60	70	80	90																
			Throw (S)	3	4	7	5	6	9	6	7	10	7	8	11	7	9	12	8	9	13	8	10	14	9	11	15
12	9	0.75	CFM	140	220	290	360	430	510	580	650																
			NC	<20	<20	<20	<20	23	27	31	34																
			CFM (L)	50	70	100	120	140	170	190	220																
			Throw (L)	5	7	12	8	10	15	10	12	17	11	13	19	12	14	20	13	16	22	14	17	24	14	18	25
			CFM (S)	50	70	100	120	140	170	190	220																
			Throw (S)	5	7	12	8	10	15	10	12	17	11	13	19	12	14	20	13	16	22	14	17	24	14	18	25
15	9	0.94	CFM	180	270	360	450	540	630	730	820																
			NC	<20	<20	<20	<20	24	28	32	35																
			CFM (L)	80	110	150	190	230	260	300	340																
			Throw (L)	6	9	15	9	13	18	12	15	21	13	16	23	15	18	25	16	19	27	17	21	30	18	22	31
			CFM (S)	50	80	110	130	160	180	210	240																
			Throw (S)	5	8	12	8	11	15	10	12	17	11	14	19	12	15	21	13	16	23	14	18	25	15	19	26
21	9	1.31	CFM	250	380	510	640	760	890	1020	1150																
			NC	<20	<20	<20	<20	20	25	30	33																
			CFM (L)	150	220	300	370	440	520	600	670																
			Throw (L)	9	13	20	13	18	25	17	21	29	19	23	33	21	25	36	22	27	39	24	29	41	25	31	44
			CFM (S)	50	80	110	130	160	190	210	240																
			Throw (S)	5	8	12	8	11	15	10	12	17	11	14	20	12	15	21	13	16	23	14	17	25	15	19	26
15	12	1.25	CFM	240	360	490	610	730	850	970	1090																
			NC	<20	<20	<20	<20	25	29	33	36																
			CFM (L)	80	110	150	190	230	270	300	340																
			Throw (L)	6	9	15	9	13	18	12	15	21	14	17	23	15	18	26	16	20	28	17	21	30	18	22	31
			CFM (S)	80	120	170	210	250	290	330	370																
			Throw (S)	6	10	15	10	13	19	13	16	22	14	17	25	16	19	27	17	21	29	18	22	31	19	23	33
18	12	1.50	CFM	290	440	580	730	880	1020	1170	1320																
			NC	<20	<20	<20	<20	21	26	30	34																
			CFM (L)	110	170	220	270	330	380	440	500																
			Throw (L)	7	11	18	11	15	22	14	18	25	16	20	28	18	22	31	19	23	33	21	25	36	22	27	38
			CFM (S)	90	140	180	230	280	320	370	410																
			Throw (S)	7	10	16	10	14	20	13	16	23	15	18	26	16	20	28	17	21	30	19	23	32	20	24	34
18	15	1.88	CFM	370	550	730	920	1100	1280	1470	1650																
			NC	<20	<20	<20	<20	22	27	31	35																
			CFM (L)	110	170	220	280	330	380	440	500																
			Throw (L)	8	11	18	11	15	22	14	18	25	16	20	28	18	22	31	19	24	33	21	25	36	22	27	38
			CFM (S)	130	190	260	320	390	450	510	580																
			Throw (S)	8	12	19	12	17	24	16	19	27	18	22	30	19	24	33	21	25	36	22	27	38	24	29	41
21	18	2.63	CFM	510	770	1030	1290	1540	1800	2060	2320																
			NC	<20	<20	<20	<20	23	28	33	36																
			CFM (L)	150	220	300	380	450	530	600	680																
			Throw (L)	9	13	21	13	18	25	17	21	29	19	23	33	21	25	36	22	27	39	24	29	42	25	31	44
			CFM (S)	180	270	360	460	550	640	730	820																
			Throw (S)	10	14	23	15	20	28	19	23	32	21	26	36	23	28	40	25	30	43	26	32	46	28	34	49
36	24	6.00	CFM	1180	1780	2370	2960	3550	4150	4740	5330																
			NC	<20	<20	<20	<20	27	32	36	40																
			CFM (L)	440	670	890	1110	1330	1560	1780	2000																
			Throw (L)	15	23	36	23	31	44	29	36	51	33	40	57	36	44	62	39	47	67	41	51	72	44	54	76
			CFM (S)	370	560	740	930	1110	1300	1480	1670																
			Throw (S)	14	21	33	21	28	40	27	33	46	30	36	52	33	40	57	35	43	61	38	46	65	40	49	69

For performance data notes see page B-24.

Square Diffusers

B

THROW PATTERN



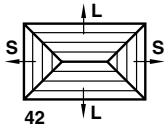
Square Diffusers

B

NECK SIZE		NECK FT ²	Neck Velocity Pt	200	300	400	500	600	700	800	900
W	H			200	300	400	500	600	700	800	900
9	6	0.38	CFM	70	110	140	180	210	250	280	320
			NC	<20	<20	<20	<20	20	24	28	31
			CFM (L)	30	50	60	80	90	100	120	130
			Throw (L)	4 6 9	6 8 11	7 9 13	8 10 15	9 11 16	10 12 17	11 13 18	11 14 20
			CFM (S)	10	20	20	30	40	40	50	50
			Throw (S)	2 4 6	4 5 7	5 6 8	5 7 9	6 7 10	6 8 11	7 8 12	7 9 12
12	6	0.50	CFM	100	140	190	240	290	330	380	430
			NC	<20	<20	<20	<20	21	25	29	32
			CFM (L)	40	60	80	110	130	140	170	190
			Throw (L)	5 7 11	7 9 13	9 11 15	10 12 17	11 14 19	12 14 20	13 15 22	13 16 23
			CFM (S)	10	20	20	30	40	40	50	50
			Throw (S)	3 4 6	4 5 7	5 6 8	5 7 9	6 7 10	6 8 11	7 8 12	7 9 12
15	6	0.63	CFM	120	180	240	300	360	420	480	540
			NC	<20	<20	<20	<20	22	26	30	33
			CFM (L)	50	80	110	140	160	190	220	240
			Throw (L)	5 8 12	8 11 15	10 12 18	11 14 20	12 15 22	13 16 23	14 18 25	15 19 26
			CFM (S)	10	20	20	30	40	40	50	50
			Throw (S)	2 4 6	4 5 7	5 6 8	5 7 9	6 7 10	6 8 11	7 8 12	7 9 12
12	9	0.75	CFM	140	220	290	360	430	510	580	650
			NC	<20	<20	<20	<20	23	27	31	34
			CFM (L)	60	90	120	150	170	210	240	260
			Throw (L)	5 8 13	8 11 16	11 13 18	12 15 21	13 16 22	14 17 24	15 18 26	16 20 28
			CFM (S)	30	40	50	70	80	100	110	120
			Throw (S)	4 5 9	6 8 11	7 9 13	8 10 14	9 11 15	10 12 17	10 13 18	11 13 19
15	9	0.94	CFM	180	270	360	450	540	630	730	820
			NC	<20	<20	<20	<20	24	28	32	35
			CFM (L)	80	110	150	190	230	270	310	350
			Throw (L)	6 9 15	9 13 18	12 15 21	14 17 23	15 18 26	16 20 28	17 21 30	18 22 32
			CFM (S)	30	40	50	70	80	90	110	120
			Throw (S)	4 6 9	6 8 11	7 9 12	8 10 14	9 11 15	10 12 16	10 13 18	11 13 19
21	9	1.31	CFM	250	380	510	640	760	890	1020	1150
			NC	<20	<20	<20	20	25	30	33	37
			CFM (L)	110	170	230	290	340	400	460	510
			Throw (L)	7 11 18	11 16 22	15 18 26	17 20 29	18 22 31	20 24 34	21 26 36	22 27 38
			CFM (S)	30	40	50	70	80	100	110	120
			Throw (S)	4 6 9	6 8 11	7 9 13	8 10 14	9 11 15	10 12 17	10 13 18	11 13 19
15	12	1.25	CFM	240	360	490	610	730	850	970	1090
			NC	<20	<20	<20	20	25	29	33	36
			CFM (L)	100	140	200	240	290	340	390	440
			Throw (L)	7 10 17	10 14 20	14 17 24	15 19 27	17 21 29	18 22 31	19 24 33	20 25 35
			CFM (S)	50	70	100	120	150	170	190	220
			Throw (S)	5 7 12	7 10 14	10 12 17	11 13 19	12 14 21	13 16 22	14 17 24	14 18 25
18	12	1.50	CFM	290	440	580	730	880	1020	1170	1320
			NC	<20	<20	<20	21	26	30	34	37
			CFM (L)	120	180	240	300	370	430	490	550
			Throw (L)	8 12 19	12 16 23	15 19 26	17 21 30	19 23 32	20 25 35	22 26 37	23 28 40
			CFM (S)	50	70	100	120	150	170	200	220
			Throw (S)	5 7 12	8 10 15	10 12 17	11 13 19	12 15 21	13 16 22	14 17 24	15 18 25
24	18	3.00	CFM	590	880	1180	1470	1770	2060	2360	2650
			NC	<20	<20	<20	24	29	33	37	40
			CFM (L)	240	360	480	600	720	840	960	1080
			Throw (L)	11 17 26	17 23 32	21 26 37	24 29 41	26 32 46	28 35 49	30 37 53	32 39 56
			CFM (S)	110	170	220	280	330	390	440	500
			Throw (S)	8 11 18	11 15 22	15 18 25	16 20 28	18 22 31	19 24 33	21 25 36	22 27 38
30	24	5.00	CFM	990	1480	1970	2460	2960	3450	3940	4440
			NC	<20	<20	20	26	31	35	39	42
			CFM (L)	400	590	790	980	1180	1380	1580	1780
			Throw (L)	14 22 34	22 29 41	28 34 48	31 38 53	34 41 58	36 45 63	39 48 67	41 51 72
			CFM (S)	200	300	390	490	590	690	790	890
			Throw (S)	10 15 24	15 21 29	19 24 34	22 27 38	24 29 41	26 32 45	28 34 48	29 36 51
36	24	6.00	CFM	1180	1780	2370	2960	3550	4150	4740	5330
			NC	<20	<20	21	27	32	36	40	43
			CFM (L)	490	740	990	1230	1480	1730	1980	2220
			Throw (L)	16 24 38	24 33 46	31 38 53	34 42 60	38 46 65	41 50 71	44 53 75	46 57 80
			CFM (S)	200	300	400	490	590	690	790	890
			Throw (S)	10 15 24	15 21 29	19 24 34	22 27 38	24 29 41	26 32 45	28 34 48	29 36 51

For performance data notes see page B-24.

THROW PATTERN



NECK SIZE		NECK FT ²	Neck Velocity																								
W	H		200		300		400		500		600		700		800		900										
9	6	0.38	Neck Velocity Pt	0.01		0.02		0.04		0.06		0.09		0.12		0.16		0.20									
			CFM	70		110		140		180		210		250		280		320									
			NC	<20		<20		<20		<20		20		24		28		31									
			Throw (L)	3	5	8	5	7	10	7	8	12	8	9	13	8	10	14	9	11	15	9	12	16	10	12	18
			CFM (S)	10		20		20		30		40		40		50		50									
			Throw (S)	2	4	6	4	5	7	5	6	8	5	7	9	6	7	10	6	8	11	7	8	12	7	9	12
12	6	0.50	CFM	100		140		190		240		290		330		380		430									
			NC	<20		<20		<20		<20		21		25		29		32									
			CFM (L)	40		50		70		90		110		120		140		160									
			Throw (L)	4	7	10	6	9	12	8	10	14	9	11	16	10	13	18	11	13	19	12	14	20	12	15	22
			CFM (S)	10		20		20		30		40		40		50		50									
			Throw (S)	3	4	6	4	5	7	5	6	8	5	7	9	6	7	10	6	8	11	7	8	12	7	9	12
15	6	0.63	CFM	120		180		240		300		360		420		480		540									
			NC	<20		<20		<20		<20		22		26		30		33									
			CFM (L)	50		70		100		120		140		170		190		220									
			Throw (L)	5	7	12	7	10	14	10	12	17	11	13	19	12	14	20	13	16	22	14	17	24	14	18	25
			CFM (S)	10		20		20		30		40		40		50		50									
			Throw (S)	2	4	6	4	5	7	5	6	8	5	7	9	6	7	10	6	8	11	7	8	12	7	9	12
18	9	1.13	CFM	220		330		440		550		650		760		870		980									
			NC	<20		<20		<20		20		25		29		33		36									
			CFM (L)	80		120		170		210		240		290		330		370									
			Throw (L)	7	10	15	10	13	19	13	15	22	14	17	24	15	19	26	17	20	29	18	22	31	19	23	33
			CFM (S)	30		40		60		70		80		100		110		120									
			Throw (S)	4	6	9	6	8	11	7	9	13	8	10	14	9	11	15	10	12	17	10	13	18	11	13	19
15	12	1.25	CFM	240		360		490		610		730		850		970		1090									
			NC	<20		<20		<20		20		25		29		33		36									
			CFM (L)	70		110		150		180		220		260		290		330									
			Throw (L)	6	9	14	9	12	18	12	15	21	13	16	23	14	18	25	16	19	27	17	20	29	18	22	31
			CFM (S)	50		70		100		120		150		170		190		220									
			Throw (S)	5	7	12	7	10	14	10	12	17	11	13	19	12	14	21	13	16	22	14	17	24	14	18	25
18	12	1.50	CFM	290		440		580		730		880		1020		1170		1320									
			NC	<20		<20		<20		21		26		30		34		37									
			CFM (L)	100		150		190		240		290		340		390		440									
			Throw (L)	7	11	17	11	15	21	14	17	24	15	19	26	17	21	29	18	22	31	19	24	34	21	25	36
			CFM (S)	50		70		100		120		150		170		190		220									
			Throw (S)	5	7	12	8	10	15	10	12	17	11	13	19	12	15	21	13	16	22	14	17	24	15	18	25
24	12	2.00	CFM	390		590		780		980		1170		1370		1560		1760									
			NC	<20		<20		<20		22		27		31		35		38									
			CFM (L)	150		220		290		370		440		510		590		660									
			Throw (L)	9	13	21	13	18	25	17	21	29	19	23	33	21	25	36	22	27	38	24	29	41	25	31	44
			CFM (S)	50		70		100		120		150		170		190		220									
			Throw (S)	5	8	12	8	10	15	10	12	17	11	13	19	12	15	21	13	16	22	14	17	24	15	18	25
24	15	2.50	CFM	490		730		980		1220		1470		1710		1960		2200									
			NC	<20		<20		<20		23		28		32		36		39									
			CFM (L)	170		250		340		420		510		590		670		760									
			Throw (L)	9	14	22	14	19	27	18	22	31	20	25	35	22	27	38	24	29	41	25	31	44	27	33	47
			CFM (S)	80		110		150		190		230		270		310		340									
			Throw (S)	6	9	15	9	13	18	12	15	21	14	17	23	15	18	26	16	20	28	17	21	30	18	22	31
24	18	3.00	CFM	590		880		1180		1470		1770		2060		2360		2650									
			NC	<20		<20		<20		24		29		33		37		40									
			CFM (L)	180		280		370		460		550		640		740		830									
			Throw (L)	10	15	23	15	20	28	19	23	33	21	26	36	23	28	40	25	30	43	27	33	46	28	35	49
			CFM (S)	110		170		220		280		330		390		440		500									
			Throw (S)	8	11	18	11	15	22	15	18	25	16	20	28	18	22	31	19	24	33	21	25	36	22	27	38
30	21	4.38	CFM	860		1290		1720		2150		2590		3020		3450		3880									
			NC	<20		<20		<20		26		31		35		39		42									
			CFM (L)	280		420		560		700		840		980		1120		1260									
			Throw (L)	12	18	28	18	25	35	23	28	40	26	32	45	28	35	49	31	38	53	33	40	57	35	43	60
			CFM (S)	150		230		300		380		450		530		600		680									
			Throw (S)	9	13	21	13	18	25	17	21	29	19	23	33	21	26	36	23	28	39	24	29	42	26	31	44
36	24	6.00	CFM	1180		1780		2370		2960		3550		4150		4740		5330									
			NC	<20		<20		21		27		32		36		40		43									
			CFM (L)	390		590		790		990		1180		1380		1580		1780									
			Throw (L)	14	21	34	22	29	41	28	34	48	31	38	53	34	41	58	36	45	63	39	48	67	41	51	72
			CFM (S)	200		300		400		490		590		690		790		890									
			Throw (S)	10	15	24	15	21	29	19	24	34	22	27	38	24	29	41	26	32	45	28	34	48	29	36	51

For performance data notes see page B-24.

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
- TRV Throw Reducing Vanes: Add + 6 to NC shown in the tables
- Return Use: Add + 2 to the NC shown in the tables

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 distance shown in tables x .70
- TRV Throw Reducing Vanes: Reduce throw distance in tables x .80
- Data for core patterns indicating L & S represent the throw distance at the CFM referenced for the side shown. These non-symmetrical cores proportion air based on pattern & neck size.
- Terminal velocity is the air speed, in feet per minute, measured in the supply air stream.

Pressure

- P_t represents Total Pressure, inches of water, measured in the supply duct.
- P_v , Velocity Pressure, inches of water, may be calculated (@ standard conditions) as: $P_v = (\text{Neck Velocity, fpm} / 4005)^2$
- Static pressure may be calculated by subtracting the Velocity pressure from the Total Pressure: $P_s = P_t - P_v$
- TRV Throw Reducing Vanes: Increase P_t shown x 1.35
- Return $-P_s = \text{Supply PT} \times 1.50$

Neck Velocity

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

