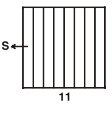
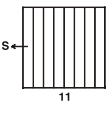
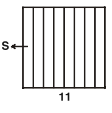
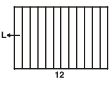
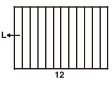
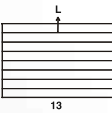
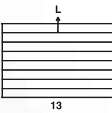
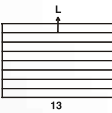
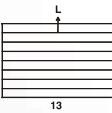
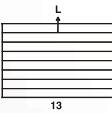
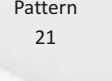
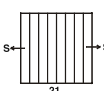
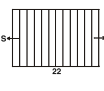
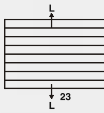


Table 2 - SELECTION DATA FOR DIFFUSERS (SQUARE & RECTANGULAR)

Core Pattern	Size		Rating Total Pressure Drop, Inches, w.g.	Neck Velocity, f.p.m.											
	Listed Size mm	Neck Size mm		300 .035		400 .06		500 .09		600 .13		700 .17			
				L	S	L	S	L	S	L	S	L	S		
	225x225	150x150	c.f.m.	75	100	125	150	175	NC - db	—	—	20	24	28	
		0.022	Min. - Max. Throw, ft.	5-11	6-13	8-14	9-16	11-17							
		300x300	225x225	c.f.m.	170	225	280	340	395	NC - db	—	20	25	29	32
	0.051	Min. - Max. Throw, ft.	7-17	9-19	12-22	14-24	16-26								
	375x375	300x300	c.f.m.	300	400	500	600	700	NC - db	—	23	28	32	35	
	0.09	Min. - Max. Throw, ft.	9 - 22	12-26	15-29	19-32	22-34								
	450x450	375x375	c.f.m.	470	625	780	940	1095	NC - db	—	25	30	34	37	
		0.141	Min. - Max. Throw, ft.	12-28	15-32	19-36	23-40	27-43							
		525x525	450x450	c.f.m.	675	900	1125	1350	1575	NC - db	22	28	31	34	35
0.202	Min. - Max. Throw, ft.	13-30	18-34	21-38	25-39	27-41									
	600x600	525x525	c.f.m.	919	1225	1531	1837	2144	NC - db	22	28	32	35	37	
		0.275	Min. - Max. Throw, ft.	14-31	19-35	20-39	26-41	29-43							
			300x225	225x150	c.f.m.	115	150	190	225	265	NC - db	—	—	23	27
0.034	Min. - Max. Throw, ft.			6-14	8-16	10-18	11-19	13-21							
375x300	300x225			c.f.m.	230	300	380	450	530	NC - db	—	22	27	30	34
0.068	Min. - Max. Throw, ft.	8-19	11-22	13-25	16-28	19-30									
	450x375	375x300	c.f.m.	375	500	625	750	875	NC - db	—	24	29	33	36	
		0.113	Min. - Max. Throw, ft.	10-25	14-29	17-32	21-36	24-38							
			300x225	225x150	c.f.m.	115	150	190	225	265	NC - db	—	—	23	27
0.031	Min. - Max. Throw, ft.			6-14	8-16	10-18	11-19	13-21							
375x225	300x150			c.f.m.	150	200	250	300	350	NC - db	—	—	24	28	32
0.045	Min. - Max. Throw, ft.		7-16	9-18	11-21	13-22	15-24								
	450x225		375x150	c.f.m.	190	250	315	375	440	NC - db	—	20	26	29	33
			0.056	Min. - Max. Throw, ft.	7-18	10-21	12-23	15-25	17-27						
			525x225	450x150	c.f.m.	230	300	380	450	530	NC - db	—	22	27	30
0.068	Min. - Max. Throw, ft.		8-19	11-22	13-25	16-28	19-30								
	375x300		300x225	c.f.m.	230	300	380	450	530	NC - db	—	22	27	30	34
			0.068	Min. - Max. Throw, ft.	8-19	11-22	13-25	16-28	19-30						
			450x300	375x225	c.f.m.	280	375	470	565	660	NC - db	—	22	27	32
0.084	Min. - Max. Throw, ft.		9-22	12-25	15-28	18-31	21-33								
	600x300		525x225	c.f.m.	395	525	655	785	915	NC - db	—	24	29	33	37
			0.118	Min. - Max. Throw, ft.	11-26	14-30	18-33	21-36	25-39						
			450x375	375x300	c.f.m.	375	500	625	750	875	NC - db	—	24	29	33
0.113	Min. - Max. Throw, ft.	10-25	14-29	17-32	21-36	24-38									
	525x375	450x300	c.f.m.	450	600	750	900	1050	NC - db	—	25	30	33	37	
		0.135	Min. - Max. Throw, ft.	11-28	15-32	19-36	23-39	26-42							
		600x375	525x300	c.f.m.	525	700	875	1050	1225	NC - db	20	26	30	34	37
1.58	Min. - Max. Throw, ft.	12-30	16-34	20-38	24-42	29-45									
	225x225	150x150	c.f.m.	75	100	125	150	175	NC - db	—	—	20	24	28	
		0.023	Min. - Max. Throw, ft.	3-8	4-9	5-10	7-11	8-12							

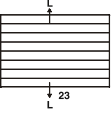
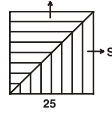
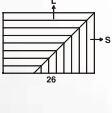
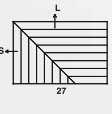
Note : Min. throw based on $V_i = 300$ fpm with V_R not greater than 50 fpm. Max. throw based on $V_i = 125$ fpm with V_R not greater than 20 fpm.

Table 2 - SELECTION DATA FOR DIFFUSERS (SQUARE & RECTANGULAR)

Core Pattern	Size		Neck Velocity, f.p.m.										
	Listed Size mm	Neck Size mm	Rating Total Pressure Drop, Inches, w.g.	300 .035		400 .06		500 .09		600 .13		700 .17	
				L	S	L	S	L	S	L	S	L	S
	300x300	225x225	c.f.m. NC - db Min. - Max. Throw, ft.	170 — 5-12	225 20 7-14	280 25 8-15	340 29 10-17	395 32 12-18					
	375x375	300x300	c.f.m. NC - db Min. - Max. Throw, ft.	300 — 7-16	400 23 9-18	500 28 11-21	600 32 13-22	700 35 15-24					
	450x450	375x375	c.f.m. NC - db Min. - Max. Throw, ft.	470 — 8-20	625 25 11-23	780 30 14-26	940 34 16-28	1095 37 19-30					
	525x525	450x450	c.f.m. NC - db Min. - Max. Throw, ft.	675 21 10-24	900 27 13-28	1125 32 16-31	1350 35 20-34	1575 39 23-36					
	600x600	525x525	c.f.m. NC - db Min. - Max. Throw, ft.	920 22 11-28	1225 28 15-32	1530 34 19-36	1840 37 23-39	2145 41 27-42					
	675x675	600x600	c.f.m. NC - db Min. - Max. Throw, ft.	1200 23 17-29	1600 28 23-35	2000 34 28-40	2400 40 33-46	2800 43 38-52					
	300x225	225x150	c.f.m. NC - db Min. - Max. Throw, ft.	115 — 4-10	150 — 5-11	190 23 7-13	225 27 8-14	265 30 9-15					
	375x225	300x150	c.f.m. NC - db Min. - Max. Throw, ft.	150 — 5-11	200 — 6-13	250 24 8-14	300 28 9-16	350 32 11-17					
	375x300	300x225	c.f.m. NC - db Min. - Max. Throw, ft.	230 — 6-14	300 22 8-16	380 27 10-18	450 30 11-19	530 34 13-21					
	450x300	375x225	c.f.m. NC - db Min. - Max. Throw, ft.	280 — 6-15	375 22 8-18	470 27 11-20	565 32 13-22	660 35 15-24					
	450x375	375x300	c.f.m. NC - db Min. - Max. Throw, ft.	375 — 7-18	500 24 9-21	625 29 12-23	750 33 15-25	875 36 17-27					
	300x525	225x450	c.f.m. NC - db Min. - Max. Throw, ft.	338 0 13-22	450 23 18-29	563 29 23-33	675 33 30-40	788 40 33-48					
	450x675	375x600	c.f.m. NC - db Min. - Max. Throw, ft.	750 22 18-30	1000 27 23-36	1250 32 29-42	1500 37 35-47	1750 42 40-54					
	525x600	450x525	c.f.m. NC - db Min. - Max. Throw, ft.	788 22 18-30	1050 27 23-36	1313 32 29-42	1575 38 34-48	1837 45 38-53					
	525x675	450x600	c.f.m. NC - db Min. - Max. Throw, ft.	900 22 16-31	1200 28 23-36	1500 32 29-40	1800 38 32-46	2100 42 38-50					
	300x225	225x150	c.f.m. NC - db Min. - Max. Throw, ft.	115 — 4-10	150 — 5-11	190 23 7-13	225 27 8-14	265 30 9-15					
	375x225	300x150	c.f.m. NC - db Min. - Max. Throw, ft.	150 — 5-11	200 — 6-13	250 24 8-14	300 28 9-16	350 32 11-17					
	450x225	375x150	c.f.m. NC - db Min. - Max. Throw, ft.	190 — 5-14	250 20 7-16	315 26 9-17	375 29 10-19	440 33 12-21					
	525x225	450x150	c.f.m. NC - db Min. - Max. Throw, ft.	230 — 6-14	300 22 8-16	380 27 10-18	450 30 11-19	530 34 13-21					
	375x300	300x225	c.f.m. NC - db Min. - Max. Throw, ft.	230 — 6-14	300 22 8-16	380 27 10-18	450 30 11-19	530 34 13-21					


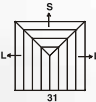
Note : Min. throw based on $V_t = 300$ fpm with V_R not greater than 50 fpm. Max. throw based on $V_t = 125$ fpm with V_R not greater than 20 fpm.

Table 2 - SELECTION DATA FOR DIFFUSERS (SQUARE & RECTANGULAR)

Core Pattern	Size		Rating Total Pressure Drop, Inches, w.g.	Neck Velocity, f.p.m.									
	Listed Size mm	Neck Size mm		300 .035		400 .06		500 .09		600 .13		700 .17	
				L	S	L	S	L	S	L	S	L	S
	450x300	375x225	c.f.m.	280		375		470		565		660	
		NC - db	—		22		27		32		35		
		Min. - Max. Throw, ft.	6-15		8-18		11-20		13-22		15-24		
	600x300	525x225	c.f.m.	395		525		655		785		915	
		NC - db	—		24		29		33		37		
		Min. - Max. Throw, ft.	9-18		10-21		13-23		15-26		17-28		
	450x375	375x300	c.f.m.	375		500		625		750		875	
NC - db		—		24		29		33		36			
Min. - Max. Throw, ft.		9-18		10-21		12-23		15-25		17-27			
525x375	450x300	c.f.m.	450		600		750		900		1050		
	NC - db	—		25		30		33		37			
	Min. - Max. Throw, ft.	8-19		11-22		13-25		16-28		19-30			
600x375	525x300	c.f.m.	525		700		875		1050		1225		
	NC - db	20		26		30		34		37			
	Min. - Max. Throw, ft.	9-21		12-24		14-27		17-30		20-32			
525x450	450x375	c.f.m.	565		750		940		1130		1315		
	NC - db	20		26		31		35		38			
	Min. - Max. Throw, ft.	9-22		12-25		15-28		18-31		21-33			
	225x225	150x150	c.f.m.	75		100		125		150		175	
		NC - db	—		—		20		24		28		
		Min. - Max. Throw, ft.	3-8		4-9		5-10		7-11		8-12		
	300x300	225x225	c.f.m.	170		225		280		340		395	
		NC - db	—		20		25		29		32		
		Min. - Max. Throw, ft.	5-12		7-14		8-15		10-17		12-28		
	375x375	300x300	c.f.m.	300		400		500		600		700	
NC - db		—		23		28		32		35			
Min. - Max. Throw, ft.		7-16		9-18		11-21		13-22		15-24			
450x450	375x375	c.f.m.	470		625		780		940		1095		
	NC - db	—		25		30		34		37			
	Min. - Max. Throw, ft.	8-20		11-23		14-26		16-28		19-30			
525x525	450x450	c.f.m.	675		900		1125		1350		1575		
	NC - db	21		27		32		35		39			
	Min. - Max. Throw, ft.	10-24		13-28		16-31		20-34		23-36			
600x600	525x525	c.f.m.	919		1225		1531		1837		2144		
	NC - db	22		25		29		35		39			
	Min. - Max. Throw, ft.	13-22		16-24		19-27		22-29		24-31			
675x675	600x600	c.f.m.	1200		1600		2000		2400		2800		
	NC - db	21		26		31		36		40			
	Min. - Max. Throw, ft.	—		17-28		20-29		23-31		25-31			
	300x225	225x150	c.f.m., Total	115		150		190		225		265	
			NC - db	—		—		23		27		30	
			c.f.m. Per Side	75	40	100	50	125	65	150	75	175	90
	Min. - Max. Throw, ft.	5-11	3-8	6-13	4-9	8-14	6-10	9-16	7-11	11-17	8-12		
	375x225	300x150	c.f.m., Total	150		200		250		300		350	
NC - db			—		—		24		28		32		
c.f.m. Per Side			110	40	150	50	185	65	225	75	260	90	
Min. - Max. Throw, ft.	6-14	3-8	8-16	4-9	9-18	6-10	11-19	7-11	13-21	8-12			
	450x225	375x150	c.f.m., Total	190		250		315		375		440	
			NC - db	—		20		26		29		33	
			c.f.m. Per Side	150	40	200	50	250	65	300	75	350	90
	Min. - Max. Throw, ft.	7-16	3-8	9-18	4-9	11-2	6-10	13-22	7-11	15-24	8-12		
	375x300	300x225	c.f.m., Total	230		300		380		450		530	
NC - db			—		22		27		30		34		
c.f.m. Per Side			145	85	190	110	235	145	280	170	335	195	
Min. - Max. Throw, ft.	7-15	5-12	9-18	6-14	11-20	8-15	13-22	10-17	15-24	11-18			
450x300	375x225	c.f.m., Total	280		375		470		565		660		
		NC - db	—		22		27		30		35		
		c.f.m. Per Side	195	85	265	110	328	145	395	170	465	195	
Min. - Max. Throw, ft.	7-18	5-12	10-21	6-14	12-23	8-15	15-26	10-17	18-28	11-18			

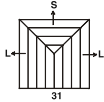
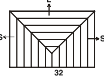
Note : Min. throw based on $V_i = 300$ fpm with V_R not greater than 50 fpm. Max. throw based on $V_i = 125$ fpm with V_R not greater than 20 fpm.

Table 2 - SELECTION DATA FOR DIFFUSERS (SQUARE & RECTANGULAR)

Core Pattern	Size		Neck Velocity, f.p.m.										
	Listed Size mm	Neck Size mm	Rating Total Pressure Drop, Inches, w.g.	300 .035		400 .06		500 .09		600 .13		700 .17	
				L	S	L	S	L	S	L	S	L	S
	450x375	375x300 0.113	c.f.m. Total	375		500		625		750		875	
			NC - db	—		24		29		33		36	
			c.f.m. Per Side	225	150	300	200	375	250	450	300	525	350
	525x375	450x300 0.135	c.f.m., Total	450		600		750		900		1050	
			NC - db	—		25		30		33		37	
			c.f.m. Per Side	300	150	400	200	500	250	600	300	700	350
	525x450	450x375 0.169	c.f.m., Total	565		750		940		1130		131	
			NC - db	20		26		31		35		38	
			c.f.m. Per Side	330	235	440	310	550	390	660	470	770	545
300x525	225x450 0.101	c.f.m., Total	338		450		563		675		788		
		NC - db	22		22		26		31		36		
		c.f.m. Per Side	253	84	338	113	422	141	506	169	591	197	
300x600	225x525 0.118	c.f.m., Total	394		525		656		788		919		
		NC - db	22		25		27		32		37		
		c.f.m. Per Side	309	84	413	113	516	141	619	169	722	197	
375x600	300x525 0.157	c.f.m., Total	525		700		875		1050		1225		
		NC - db	22		23		27		32		38		
		c.f.m. Per Side	375	150	500	200	625	250	750	300	875	350	
450x600	375x525 0.196	c.f.m., Total	656		875		1094		1313		1531		
		NC - db	21		23		28		33		38		
		c.f.m. Per Side	422	234	563	313	703	391	844	469	984	547	
450x675	375x600 0.225	c.f.m., Total	750		1000		1250		1500		1750		
		NC - db	22		24		29		34		38		
		c.f.m. Per Side	516	234	688	313	859	391	1031	469	1203	547	
525x600	450x525 0.236	c.f.m., Total	788		1050		1313		1575		1837		
		NC - db	22		25		29		34		40		
		c.f.m. Per Side	450	338	600	450	750	563	900	675	1050	788	
525x675	450x600 0.27	c.f.m., Total	900		1200		1500		1800		2100		
		NC - db	22		25		29		35		39		
		c.f.m. Per Side	563	338	750	450	938	563	1125	675	1313	788	
	225x225	150x150 0.022	c.f.m., Total	75		100		125		150		175	
			NC - db	—		—		20		24		28	
			c.f.m. Per Side	28	19	38	24	47	31	56	38	66	43
	300x300	225x225 0.051	c.f.m., Total	170		225		280		340		395	
			NC - db	—		20		25		29		32	
c.f.m. Per Side			63	44	84	57	106	68	127	81	148	94	
375x375	300x300 0.09	c.f.m., Total	300		400		500		600		700		
		NC - db	—		23		28		32		35		
		c.f.m. Per Side	113	74	150	100	188	124	225	150	263	174	
450x450	375x375 0.141	c.f.m., Total	470		625		780		940		1095		
		NC - db	—		25		30		34		37		
		c.f.m. Per Side	176	118	235	155	295	190	350	240	410	275	
525x525	450x450 0.203	c.f.m., Total	675		900		1125		1350		1575		
		NC - db	21		27		32		35		39		
		c.f.m. Per Side	255	165	340	220	420	285	505	340	590	395	

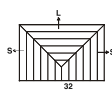
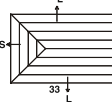
Note : Min. throw based on $V_1 = 300$ fpm with V_2 not greater than 50 fpm. Max. throw based on $V_1 = 125$ fpm with V_2 not greater than 20 fpm.

Table 2 - SELECTION DATA FOR DIFFUSERS (SQUARE & RECTANGULAR)

Core Pattern	Size		Rating Total Pressure Drop, Inches, w.g.	Neck Velocity, f.p.m.									
	Listed Size mm	Neck Size mm		300 .035		400 .06		500 .09		600 .13		700 .17	
				L	S	L	S	L	S	L	S	L	S
	600x600	525x525 0.276	c.f.m., Total NC - db c.f.m. Per Side Min. - Max. Throw, ft.	920 22 345 230 10-24 8-20	1225 28 460 305 13-28 11-23	1530 34 575 380 17-31 13-25	1840 37 690 455 24-16-28 23-37	2145 41 805 530 19-30					
	675x375	600x600 0.36	c.f.m., Total NC - db c.f.m. Per Side Min. - Max. Throw, ft.	1200 24 450 300 11-28 9-22	1600 30 600 400 15-32 12-26	2000 35 750 500 19-36 15-29	2400 38 900 600 23-39 19-32	2800 42 1050 700 26-42 22-34					
	300x225	225x150 0.034	c.f.m., Total NC - db c.f.m. Per Side Min. - Max. Throw, ft.	115 — 42 36 4-8 3-8	150 — 56 47 5-10 4-9	190 23 71 59 6-11 5-10	225 27 85 70 7-12 6-11	265 30 100 83 8-13 7-12					
	375x225	300x150 0.045	c.f.m., Total NC - db c.f.m. Per Side Min. - Max. Throw, ft.	150 — 76 37 5-11 3-8	200 — 100 50 6-13 4-9	250 24 125 63 8-14 5-10	300 28 150 75 9-16 7-11	350 32 175 87 11-17 8-12					
	450x225	375x150 0.056	c.f.m., Total NC - db c.f.m. Per Side Min. - Max. Throw, ft.	190 — 115 38 6-14 3-8	250 20 150 50 8-16 4-9	315 26 190 63 10-18 6-10	375 29 225 75 11-19 7-11	440 33 265 88 13-21 8-12					
	525x225	450x150 0.068	c.f.m., Total NC - db c.f.m. Per Side Min. - Max. Throw, ft.	230 — 150 40 7-16 3-8	300 22 200 50 9-18 4-9	380 27 250 65 11-2 6-10	450 30 300 75 13-22 7-11	530 34 350 90 15-24 8-12					
	375x300	300x225 0.068	c.f.m., Total NC - db c.f.m. Per Side Min. - Max. Throw, ft.	230 — 80 75 5-11 5-11	300 22 100 100 6-13 6-13	380 27 130 125 8-14 8-14	450 30 150 150 9-16 9-16	530 34 180 175 11-17 1-17					
	450x300	375x225 0.084	c.f.m., Total NC - db c.f.m. Per Side Min. - Max. Throw, ft.	280 — 120 80 6-14 5-12	375 22 155 110 8-16 6-14	470 27 195 140 10-18 8-15	565 32 235 165 12-20 10-17	660 35 275 195 14-21 11-18					
	600x300	525x225 0.118	c.f.m., Total NC - db c.f.m. Per Side Min. - Max. Throw, ft.	395 — 225 85 8-19 5-12	525 24 300 115 11-22 7-14	655 29 375 140 13-25 8-15	785 33 450 170 16-28 10-17	915 37 525 195 19-20 11-18					
	450x375	375x300 0.112	c.f.m., Total NC - db c.f.m. Per Side Min. - Max. Throw, ft.	375 — 115 130 6-14 6-11	500 24 160 170 8-16 8-13	625 29 195 215 10-18 10-15	750 33 240 235 12-20 12-16	875 36 275 300 14-21 14-17					
	525x375	450x300 0.135	c.f.m., Total NC - db c.f.m. Per Side Min. - Max. Throw, ft.	450 — 170 140 7-17 6-15	600 25 225 185 9-19 8-18	750 30 280 235 12-22 11-20	900 33 340 280 14-24 13-22	1050 37 395 325 16-26 15-24					
	525x450	450x375 0.169	c.f.m., Total NC - db c.f.m. Per Side Min. - Max. Throw, ft.	565 20 165 200 7-17 8-18	750 26 230 260 9-19 10-21	940 31 280 330 12-22 13-23	1130 35 340 395 14-24 15-26	1315 38 395 460 16-26 18-28					
	600x525	525x450 0.236	c.f.m., Total NC - db c.f.m. Per Side Min. - Max. Throw, ft.	790 22 230 280 8-20 9-22	1050 28 300 375 11-23 12-25	1315 32 385 465 14-25 15-28	1580 37 460 560 16-28 18-31	1840 40 540 650 19-30 21-33					
	225x375	150x300 0.045	c.f.m., Total NC - db c.f.m. Per Side Min. - Max. Throw, ft.	150 22 75 38 6-10	200 22 100 50 9-14	250 22 124 62 10-14	300 27 150 75 13-18	350 32 175 88 14-18					

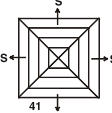
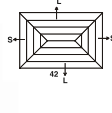
Note : Min. throw based on $V_i = 300$ fpm with V_R not greater than 50 fpm. Max. throw based on $V_i = 125$ fpm with V_R not greater than 20 fpm.

Table 2 - SELECTION DATA FOR DIFFUSERS (SQUARE & RECTANGULAR)

Core Pattern	Size		Neck Velocity, f.p.m.											
	Listed Size mm	Neck Size mm	Rating Total Pressure Drop, Inches, w.g.	300 .035		400 .06		500 .09		600 .13		700 .17		
				L	S	L	S	L	S	L	S	L	S	
	450x600	375x525	c.f.m., Total	656		875		1094		1313		1531		
		0.196	NC - db	21		23		28		33		40		
			c.f.m. Per Side	229	212	305	283	382	354	458	426	535	497	
			Min. - Max. Throw, ft.	9-15		12-18		15-21		17-22		19-24		
	525x675	450x600	c.f.m., Total	900		1200		1500		1800		2100		
			0.27	NC - db	22		24		29		35		40	
			c.f.m. Per Side	300	300	400	400	500	500	600	600	700	700	
			Min. - Max. Throw, ft.	11-18		13-19		17-24		18-24		21-28		
Pattern 33 	300x225	225x150	c.f.m., Total	115		150		190		225		265		
			0.034	NC - db	—		—		23		27		30	
				c.f.m. Per Side	48	19	63	25	79	32	94	38	110	44
				Min. - Max. Throw, ft.	4-9		2-6		5-10		3-6		6-11	
		375x225	300x150	c.f.m., Total	150		200		250		300		350	
	0.045			NC - db	—		—		24		28		32	
				c.f.m. Per Side	65	19	88	25	110	32	130	38	155	44
				Min. - Max. Throw, ft.	4-11		2-6		6-12		3-6		7-14	
		450x225	375x150	c.f.m., Total	190		250		315		375		440	
	0.056			NC - db	—		20		26		29		33	
				c.f.m. Per Side	85	19	115	25	140	32	170	38	200	44
				Min. - Max. Throw, ft.	5-12		2-6		7-14		3-6		8-15	
		375x300	300x225	c.f.m., Total	230		300		380		450		530	
	0.068			NC - db	—		22		27		30		34	
				c.f.m. Per Side	94	42	120	56	155	71	185	85	215	100
				Min. - Max. Throw, ft.	5-12		3-8		7-14		5-10		9-16	
	450x300	375x225	c.f.m., Total	280		375		470		565		660		
0.084			NC - db	—		22		27		32		35		
			c.f.m. Per Side	120	42	160	56	200	71	240	85	280	100	
			Min. - Max. Throw, ft.	6-14		3-8		8-16		5-10		10-18		
	600x300	525x225	c.f.m., Total	395		525		655		785		915		
0.118			NC - db	—		24		29		33		37		
			c.f.m. Per Side	175	45	235	55	295	65	350	85	410	95	
			Min. - Max. Throw, ft.	7-17		4-8		9-20		5-10		12-22		
	450x375	375x300	c.f.m., Total	375		500		625		750		875		
0.113			NC - db	—		24		29		33		36		
			c.f.m. Per Side	150	75	200	100	250	125	300	150	350	175	
			Min. - Max. Throw, ft.	7-16		5-11		9-18		6-13		11-21		
	525x375	450x300	c.f.m., Total	450		600		750		900		1050		
0.135			NC - db	—		25		30		33		37		
			c.f.m. Per Side	190	75	250	100	315	125	375	150	440	175	
			Min. - Max. Throw, ft.	7-18		5-11		10-21		6-13		12-23		
	525x450	450x375	c.f.m., Total	565		750		940		1130		1315		
0.169			NC - db	20		26		31		35		38		
			c.f.m. Per Side	225	115	300	155	375	195	450	235	520	275	
			Min. - Max. Throw, ft.	8-19		6-14		11-22		8-16		13-25		
	600x525	525x450	c.f.m., Total	790		1050		1315		1580		1840		
0.236			NC - db	22		28		32		37		40		
			c.f.m. Per Side	310	170	415	225	520	280	620	340	725	395	
			Min. - Max. Throw, ft.	9-23		7-17		13-26		9-19		16-29		
	300x525	225x450	C.f.m.	338		450		563		675		788		
0.101			NC - db	22		22		26		31		35		
			c.f.m. Per Side	147	42	96	56	246	70	294	84	344	98	
			Min. - Max. Throw, ft.	8-12		11-15		13-15		15-21		17-2		
	450x600	375x525	C.f.m.	656		875		1094		1313		1531		
0.196			NC - db	22		24		28		33		39		
			c.f.m. Per Side	270	117	359	156	448	195	538	234	629	273	
			Min. - Max. Throw, ft.	10-17		13-20		12-22		18-24		17-26		

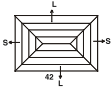
Note : Min. throw based on $V_i = 300$ fpm with V_r not greater than 50 fpm. Max. throw based on $V_i = 125$ fpm with V_r not greater than 20 fpm.

Table 2 - SELECTION DATA FOR DIFFUSERS (SQUARE & RECTANGULAR)

Core Pattern	Size		Rating Total Pressure Drop, Inches, w.g.	Neck Velocity, f.p.m.										
	Listed Size mm	Neck Size mm		300 .035		400 .06		500 .09		600 .13		700 .17		
				L	S	L	S	L	S	L	S	L	S	
Pattern 33	525x675	450x600	c.f.m.	—		1200		1500		1800		2100		
		0.27	NC - db	22		25		30		34		39		
	255x225	150x150	c.f.m.	75		100		125		150		175		
	0.022	NC - db	—		—		—		—		—		19	
			Min. - Max. Throw, ft.	2-6		3-6		4-7		5-8		5-9		
	300x300	225x225	c.f.m.	170		225		280		340		395		
	0.050	NC - db	—		—		—		23		27		—	
			Min. - Max. Throw, ft.	4-8		5-10		6-11		7-12		8-13		
	375x375	300x300	c.f.m.	300		400		500		600		700		
	0.09	NC - db	—		20		25		29		32		—	
			Min. - Max. Throw, ft.	5-11		6-13		8-14		9-16		11-17		
	450x450	375x375	c.f.m.	470		625		780		940		1095		
	0.141	NC - db	—		24		29		33		37		—	
			Min. - Max. Throw, ft.	6-14		7-16		10-18		12-20		14-21		
525x525	450x450	c.f.m.	675		900		1125		1350		1575			
0.203	NC - db	22		28		33		36		40		—		
		Min. - Max. Throw, ft.	7-17		9-19		12-22		14-24		16-26			
600x600	525x525	c.f.m.	920		1225		1530		1840		2145			
0.276	NC - db	25		31		36		39		43		—		
		Min. - Max. Throw, ft.	8-20		11-23		14-25		16-28		19-30			
675x675	600x600	c.f.m.	1200		1600		2000		2400		2800			
0.36	NC - db	27		33		38		43		46		—		
		Min. - Max. Throw, ft.	9-22		13-26		15-29		19-32		22-34			
	300x225	225x150	c.f.m., Total	115		150		190		225		265		
	0.034	NC - db	—		—		—		—		—		23	
			c.f.m. Per Side	39	19	50	25	63	32	75	38	89	44	—
			Min. - Max. Throw, ft.	3-8	2-6	4-9	3-6	5-10	4-7	7-11	5-8	8-12	5-9	—
	375x225	300x150	c.f.m., Total	150		200		250		300		350		
	0.045	NC - db	—		—		—		22		25		—	
			c.f.m. Per Side	56	19	75	25	93	32	110	38	155	44	—
			Min. - Max. Throw, ft.	4-10	2-6	5-11	3-6	7-13	4-7	8-14	5-8	10-15	5-9	—
	450x225	375x150	c.f.m., Total	190		250		315		375		440		
	0.056	NC - db	—		—		20		24		28		—	
			c.f.m. Per Side	76	19	100	25	125	32	150	38	175	44	—
			Min. - Max. Throw, ft.	5-11	2-6	6-13	3-6	8-14	4-7	9-16	5-8	11-17	5-9	—
525x225	450x150	c.f.m., Total	230		300		380		450		530			
0.068	NC - db	—		—		22		26		30		—		
		c.f.m. Per Side	96	19	125	25	160	32	185	38	220	44	—	
		Min. - Max. Throw, ft.	5-13	2-6	7-15	3-6	9-16	4-7	10-18	5-8	12-19	5-9	—	
375x300	300x225	c.f.m., Total	230		300		380		450		530			
0.068	NC - db	—		—		22		26		30		—		
		c.f.m. Per Side	73	42	94	56	120	70	140	84	165	98	—	
		Min. - Max. Throw, ft.	5-11	3-8	6-13	5-10	8-14	6-11	9-15	7-12	10-17	8-13	—	
450x300	375x225	c.f.m., Total	280		375		470		565		660			
0.084	NC - db	—		20		24		28		32		—		
		c.f.m. Per Side	98	42	130	56	165	70	200	84	230	98	—	
		Min. - Max. Throw, ft.	5-13	3-8	7-15	5-10	9-17	6-11	11-18	7-12	12-20	8-13	—	
525x300	450x225	c.f.m., Total	340		450		565		675		790			
0.101	NC - db	—		21		26		30		33		—		
		c.f.m. Per Side	125	42	170	56	210	70	255	84	295	98	—	
		Min. - Max. Throw, ft.	6-15	3-8	8-17	5-10	10-19	6-11	12-21	7-12	14-22	8-14	—	
600x300	525x225	c.f.m., Total	395		525		655		785		915			
0.118	NC - db	—		23		27		32		35		—		
		c.f.m. Per Side	155	42	205	56	260	70	310	84	360	98	—	
		Min. - Max. Throw, ft.	7-16	3-8	9-19	5-10	11-21	6-11	13-23	7-12	15-25	8-13	—	

Note : Min. throw based on $V_i = 300$ fpm with V_n not greater than 50 fpm. Max. throw based on $V_i = 125$ fpm with V_n not greater than 20 fpm.

Table 2 - SELECTION DATA FOR DIFFUSERS (SQUARE & RECTANGULAR)

Core Pattern	Size		Rating Total Pressure Drop, Inches, w.g.	Neck Velocity, f.p.m.									
	Listed Size mm	Neck Size mm		300 .035		400 .06		500 .09		600 .13		700 .17	
				L	S	L	S	L	S	L	S	L	S
	675x300	600x225 0.135	c.f.m., Total	450		600		750		900		1050	
			NC - db	—		24		28		33		36	
			c.f.m. Per Side	185	42	245	56	305	70	365	84	425	98
	Min. - Max. Throw, ft.	7-18	3-8	10-20	5-10	12-23	6-11	14-25	7-12	17-27	8-13		
	450x375	375x300 0.112	c.f.m., Total	375		500		625		750		875	
			NC - db	—		22		27		31		34	
			c.f.m. Per Side	115	75	150	100	190	125	225	150	265	175
	Min. - Max. Throw, ft.	6-14	5-11	8-16	6-13	10-18	8-14	11-19	9-16	13-20	11-17		
	525x375	450x300 0.135	c.f.m., Total	450		600		750		900		1050	
			NC - db	—		24		28		33		36	
			c.f.m. Per Side	150	75	200	100	250	125	300	150	350	175
	Min. - Max. Throw, ft.	7-16	5-11	9-18	6-13	11-21	8-14	13-22	9-16	15-24	11-17		
	600x375	525x300 0.158	c.f.m., Total	525		700		875		1050		1225	
			NC - db	—		25		30		34		37	
c.f.m. Per Side			190	75	250	100	315	125	375	150	440	175	
Min. - Max. Throw, ft.	7-18	5-11	10-21	6-13	12-23	8-14	15-25	9-16	17-27	11-17			
675x375	600x300 0.18	c.f.m., Total	600		800		1000		1200		1400		
		NC - db	21		27		32		35		38		
		c.f.m. Per Side	225	125	300	100	375	125	450	150	525	175	
Min. - Max. Throw, ft.	8-19	6-11	11-22	6-13	13-25	8-14	16-28	9-16	19-30	11-17			
525x450	450x375 0.169	c.f.m., Total	565		750		940		1130		1315		
		NC - db	20		26		31		35		38		
		c.f.m. Per Side	165	120	220	155	280	190	330	235	380	275	
Min. - Max. Throw, ft.	7-17	6-14	9-19	8-16	12-21	10-18	14-23	12-20	16-25	14-21			
600x450	525x375 0.197	c.f.m., Total	655		875		1095		1315		1530		
		NC - db	21		27		32		36		40		
		c.f.m. Per Side	210	120	285	155	360	190	425	235	495	275	
Min. - Max. Throw, ft.	8-19	6-14	10-22	8-16	13-24	10-18	16-27	12-20	18-29	14-21			
675x450	600x375 0.225	c.f.m., Total	750		1000		1250		1500		1750		
		NC - db	22		29		33		27		41		
		c.f.m. Per Side	260	115	345	155	430	195	518	236	800	275	
Min. - Max. Throw, ft.	9-21	6-14	11-24	8-16	14-27	10-16	17-29	12-20	20-32	14-21			
600x525	525x450 0.236	c.f.m., Total	790		1050		1315		1580		1840		
		NC - db	23		29		34		38		41		
		c.f.m. Per Side	225	170	300	225	380	280	450	340	525	395	
Min. - Max. Throw, ft.	8-19	7-17	11-22	9-19	13-25	11-22	16-28	14-24	19-30	16-26			
675x525	600x450 0.27	c.f.m., Total	900		1200		1500		1800		2100		
		NC - db	24		31		36		39		43		
		c.f.m. Per Side	280	170	375	225	470	280	560	340	655	395	
Min. - Max. Throw, ft.	9-22	7-17	12-25	9-19	15-28	11-22	18-31	14-24	21-33	16-26			
675x600	600x525 0.315	c.f.m., Total	1050		1400		1750		2100		2450		
		NC - db	26		32		37		41		44		
		c.f.m. Per Side	295	230	395	305	490	385	590	460	690	540	
Min. - Max. Throw, ft.	9-22	8-20	12-26	11-23	15-29	14-25	18-32	16-28	21-34	19-30			

Note : Min. throw based on $V_i = 300$ fpm with V_a not greater than 50 fpm. Max. throw based on $V_i = 125$ fpm with V_a not greater than 20 fpm.