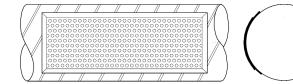


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Framed Perforated Grille, DDFGF

		Radial Spread Angle ¹	Face Velocity (fpm)	200	400	600	800	1000	1200	1400
		-(Static Pressure (inches wg)	0.02	0.06	0.14	0.24	0.37	0.53	0.71
Grille Size ⁴ (inches)	Grille Area (sq ft)	(degrees)	Throw Distance ² (feet)	10 -15	15 - 30	20 - 45	20 - 50	25 - 60	30 - 70	33 - 75
4 x 4	0.09	38 - 19 -13	cfm	18	36	54	72	90	108	126
			NC ³	15	15	20	25	35	40	50
4 x 6	0.13	38 - 19 -13	cfm	26	52	78	104	130	156	182
	• • • • • • • • • • • • • • • • • • • •		NC	15	20	25	25	35	45	55
4 x 8	0.18	38 - 19 -13	cfm	36	72	108	144	180	216	252
			NC	15	20	25	30	35	45	55
6 x 6	0.21	57 - 29 -19	cfm	42	84	126	168	210	252	294
	_		NC	15	20	25	30	35	45	55
4 x 10	0.23	38 - 19 -13	cfm	46	92	138	184	230	276	322
			NC	15	20	25	30	35	45	55
4 x 12	0.28	38 - 19 -13	cfm	56	112	168	224	280	336	392
			NC	20	20	25	30	40	45	55
6 x 10	0.36	57 - 29 -19	cfm	72	144	216	288	360	432	504
			NC	20	25	25	30	40	45	55
8 x 8	0.39	76 - 38 - 25	cfm	78	156	234	312	390	468	546
			NC	20	25	25	30	40	45	55
6 x 12	0.44	57 - 29 -19	cfm	88	176	264	352	440	528	616
			NC	20	25	25	30	40	50	55
6 x 16	0.59	57 - 29 -19	cfm	118	236	354	472	590	708	826
			NC	20	25	30	35	40	50	55
8 x 12	0.60	76 - 38 - 25	cfm	120	240	360	480	600	720	840
			NC	20	25	30	35	40	50	55
6 x 20	0.74	57 -29 - 19	cfm	148	296	444	592	740	888	1036
	-		NC	25	25	30	35	40	50	60
8 x 16	8 x 16 0.81	31 76 - 38 - 25	cfm	162	324	486	648	810	972	1134
			NC	25	25	30	35	40	50	60
12 x 12	0.92	115 - 57 - 38	cfm	184	368	486	648	810	972	1134
			NC	25	25	30	35	45	50	60
8 x 24	1.22	76 - 38 - 25	cfm	244	488	732	976	1220	1464	1708
3 - 1 - 1	• •==		NC	25	30	30	35	45	50	60

Notes: 1. Radial spread angle given as a function of diameter of duct to which grille is attached. Spread angles shown are given in A-B-C format, where 'A' is spread angle for 12-inch, 'B' for 24-inch, and 'C' for 36-inch diameter duct. S = 360 (grille height) / πD.

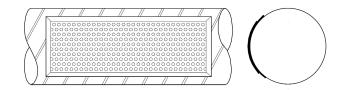
^{2.} Throw distance is given in x-y format, where 'x' is the throw distance for the terminal velocity of 150 fpm and 'y' is the throw distance for the terminal velocity of 50 fpm. Throw distance is measured along the discharge centerline, which is generally at an angle from 45 to 65 degrees from the duct centerline. Throw distances may actually be shorter than shown. (See *Engineering Report 159* for details.)

^{3.} NC is noise criteria for room with 10 dB absorbtion in each octave band. Actual NC varies according to room absorption, room size, and distance from the diffuser to the occupants.

^{4.} Grille sizes shown are nominal sizes of height and width. The height dimension assumes the arc length of duct to which it is attached.



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Framed Perforated Grille, DDFGF

Static Pressure (inches wg) 10 -15			T								
Grille Size (Inches wg)					200	400	600	800	1000	1200	1400
Size4 (Inches) Area (Sq ft) (degrees) Throw Distance2 (feet) 10 -15 15 - 30 20 - 45 20 - 50 25 - 60 30 - 70 33 - 7 12 x 18 1.49 115 - 57 - 38 Cfm 280 560 840 1120 1400 1680 1960 1960 1960 1960 1960 1960 12 x 24 1.88 115 - 57 - 38 Cfm 376 752 1128 1504 1880 2256 2632 18 x 18 2.13 172 - 86 - 57 Cfm 426 852 1278 1704 2130 2556 2982 12 x 30 2.36 115 - 57 - 38 Cfm 472 944 1416 1988 2360 2832 3304 45 55 65 65 12 x 36 2.84 115 - 57 - 38 Cfm 568 1136 1704 2272 2840 3408 3976 18 x 24 2.86 172 - 86 - 57 NC 30 30 35 40 45 55 65 65 18 x 24 2.86 172 - 86 - 57 NC 30 30 35 40 45 55 65 65 18 x 30 3.59 172 - 86 - 57 NC 30 30 35 40 45 55 65 65 18 x 36 4.31 172 - 86 - 57 NC 30 30 35 40 45 55 65 65 18 x 36 4.31 172 - 86 - 57 NC 30 30 35 40 45 55 65 65 18 x 36 4.31 172 - 86 - 57 NC 30 30 35 40 45 55 65 65 18 x 36 4.31 172 - 86 - 57 NC 30 35 35 40 50 55 65 65 65 65 65 6			-(0.02	0.06	0.14	0.24	0.37	0.53	0.71
12 x 18	Size ⁴	Area	(degrees)		10 -15	15 - 30	20 - 45	20 - 50	25 - 60	30 - 70	33 - 75
NC 25 30 35 35 45 55 60	12 x 18	1 49	115 - 57 - 38	cfm	280	560	840	1120	1400	1680	1960
12 x 24	12 X 10	1.40	110 07 00	NC ³	25	30	35	35	45	55	60
NC 25 30 35 40 45 55 65	12 x 24	1 88	115 - 57 - 38	cfm	376	752	1128	1504	1880	2256	2632
18 x 18 2.13 172 - 86 - 57 NC 15 30 35 40 45 55 65 12 x 30 2.36 115 - 57 - 38 Cfm 472 944 1416 1888 2360 2832 3304 12 x 36 2.84 115 - 57 - 38 NC 25 30 35 40 45 55 65 12 x 36 2.84 115 - 57 - 38 NC 30 30 35 40 50 55 65 18 x 24 2.86 172 - 86 - 57 Cfm 572 1144 1716 2288 2860 3432 4004 18 x 30 3.59 172 - 86 - 57 Cfm 718 1436 2154 2872 3590 4308 5026 18 x 30 3.59 172 - 86 - 57 NC 30 35 35 40 50 55 65 24 x 24 3.84 229 - 115 - 76 Cfm 768 1536 2304 3072 3340 4608 5376 18 x 36 4.31 172 - 86 - 57 NC 30 35 35 40 50 55 65 24 x 36 5.79 229 - 115 - 76 Cfm 1158 2316 3474 4632 5790 6948 8106 18 x 54 6.50 172 - 86 - 57 NC 30 35 35 40 45 50 60 65 18 x 60 7.23 172 - 86 - 57 NC 35 35 40 45 50 60 65 24 x 48 7.75 229 - 115 - 76 Cfm 1550 3100 4650 6200 7750 9300 10850 24 x 60 9.71 229 - 57 - 38 Cfm 1942 3884 5826 7768 9710 11652 13594 30 x 48 9.73 286 - 143 - 95 Cfm 1946 3892 5838 7784 9730 11676 13622 Cfm 1443 1476 1767 17	12 X 2 1	1.00	110 07 00	NC	25	30	35	40	45	55	65
NC 15 30 35 40 45 55 65 12 x 30 2.36 115 - 57 - 38	18 x 18	2 13	172 - 86 - 57	cfm	426	852	1278	1704	2130	2556	2982
12 x 36	10 % 10	2.10	172 00 07	NC	15	30	35	40	45	55	65
NC 25 30 35 40 45 55 65 12 x 36 2.84 115 - 57 - 38	12 x 30	2.36	115 - 57 - 38	cfm	472	944	1416	1888	2360	2832	3304
12 x 36	12 X 00	2.00	110 07 00	NC	25	30	35	40	45	55	65
NC 30 30 35 40 50 55 65 18 x 24 2.86 172 - 86 - 57	12 v 36	2.84	115 - 57 - 38	cfm	568	1136	1704	2272	2840	3408	3976
18 x 24 2.86 172 - 86 - 57 NC 30 30 35 40 45 55 65 18 x 30 3.59 172 - 86 - 57 cfm 718 1436 2154 2872 3590 4308 5026 24 x 24 3.84 229 - 115 - 76 cfm 768 1536 2304 3072 3840 4608 5376 18 x 36 4.31 172 - 86 - 57 cfm 862 1724 2586 3448 4310 5172 6034 24 x 36 5.79 229 - 115 - 76 cfm 1158 2316 3474 4632 5790 6948 8106 18 x 54 6.50 172 - 86 - 57 cfm 1300 2600 3900 5200 6500 7800 9100 18 x 60 7.23 172 - 86 - 57 cfm 1446 2892 4338 5784 7230 8676 1012 24 x 48 7.75 229 - 115 - 76 cfm 1550 3100	12 X 00	2.04		NC	30	30	35	40	50	55	65
NC 30 35 40 45 55 65 18 x 30 3.59 172 - 86 - 57	18 v 2/	2.86	172 - 86 - 57	cfm	572	1144	1716	2288	2860	3432	4004
18 x 30 3.59 1/2 - 86 - 57 NC 30 35 35 40 50 55 65 24 x 24 3.84 229 - 115 - 76 cfm 768 1536 2304 3072 3840 4608 5376 18 x 36 4.31 172 - 86 - 57 cfm 862 1724 2586 3448 4310 5172 6034 24 x 36 5.79 229 - 115 - 76 cfm 1158 2316 3474 4632 5790 6948 8106 18 x 54 6.50 172 - 86 - 57 cfm 1300 2600 3900 5200 6500 7800 9100 18 x 60 7.23 172 - 86 - 57 cfm 1446 2892 4338 5784 7230 8676 1012 24 x 48 7.75 229 - 115 - 76 cfm 1550 3100 4650 6200 7750 9300 1086 24 x 60 9.71 229 - 57 - 38 cfm 1942 3884	10 X 24	2.00		NC	30	30	35	40	45	55	65
NC 30 35 35 40 50 55 65 24 x 24 3.84 229 - 115 - 76	18 v 30	3 50	172 - 86 - 57	cfm	718	1436	2154	2872	3590	4308	5026
NC 30 35 35 40 50 55 65	10 × 30	0.00		NC	30	35	35	40	50	55	65
NC 30 35 35 40 50 55 65 18 x 36 4.31 172 - 86 - 57	24 v 24	3.84	20 115 76	cfm	768	1536	2304	3072	3840	4608	5376
18 x 36	24 X 24	5.04	223 - 113 - 70	NC	30	35	35	40	50	55	65
NC 30 35 40 40 50 55 65 24 x 36 5.79 229 - 115 - 76 cfm 1158 2316 3474 4632 5790 6948 8106 NC 30 35 40 45 50 60 65 18 x 54 6.50 172 - 86 - 57 cfm 1300 2600 3900 5200 6500 7800 9100 NC 35 35 40 45 50 60 65 18 x 60 7.23 172 - 86 - 57 cfm 1446 2892 4338 5784 7230 8676 10122 NC 35 35 40 45 50 60 >65 24 x 48 7.75 229 - 115 - 76 cfm 1550 3100 4650 6200 7750 9300 10850 NC 35 35 40 45 50 60 >65	18 v 36	// 21	4 31	cfm	862	1724	2586	3448	4310	5172	6034
24 x 36 5.79 229 - 115 - 76 NC 30 35 40 45 50 60 65 18 x 54 6.50 172 - 86 - 57 cfm 1300 2600 3900 5200 6500 7800 9100 18 x 60 7.23 172 - 86 - 57 cfm 1446 2892 4338 5784 7230 8676 10122 NC 35 35 40 45 50 60 >65 24 x 48 7.75 229 - 115 - 76 cfm 1550 3100 4650 6200 7750 9300 10850 NC 35 35 40 45 50 60 >65 24 x 60 9.71 229 - 57 - 38 cfm 1942 3884 5826 7768 9710 11652 13594 NC 35 35 40 45 50 60 >65 30 x 48 9.73 286 - 143 - 95 cfm 1946 3892 5838 7784 9730 11676 13622 NC 35 40 40 45 50 60 >65 NC 35 40 40 45 50 60 >65	10 × 30	7.01	172 - 00 - 37	NC	30	35	40	40	50	55	65
NC 30 35 40 45 50 60 65 18 x 54 6.50 172 - 86 - 57	24 v 36	5.70	220 - 115 - 76	cfm	1158	2316	3474	4632	5790	6948	8106
18 x 54 6.50 172 - 86 - 57 NC 35 35 40 45 50 60 65 18 x 60 7.23 172 - 86 - 57 cfm 1446 2892 4338 5784 7230 8676 10122 NC 35 35 40 45 50 60 >65 24 x 48 7.75 229 - 115 - 76 cfm 1550 3100 4650 6200 7750 9300 10850 NC 35 35 40 45 50 60 >65 24 x 60 9.71 229 - 57 - 38 cfm 1942 3884 5826 7768 9710 11652 13594 NC 35 35 40 45 50 60 >65 30 x 48 9.73 286 - 143 - 95 cfm 1946 3892 5838 7784 9730 11676 13622 NC 35 40 40 45 50 60 >65 NC 35 40 40 45 50 60 >65 NC 35 40 40 45 50 60 >65	24 X 00	5.75	223 - 113 - 70	NC	30	35	40	45	50	60	65
NC 35 35 40 45 50 60 65 18 x 60 7.23 172 -86 - 57	18 v 5/	6 50	172 - 86 - 57	cfm	1300	2600	3900	5200	6500	7800	9100
18 x 60 7.23 172 -86 - 57 NC 35 35 40 45 50 60 >65 24 x 48 7.75 229 - 115 - 76 cfm 1550 3100 4650 6200 7750 9300 10850 NC 35 35 40 45 50 60 >65 24 x 60 9.71 229 - 57 - 38 cfm 1942 3884 5826 7768 9710 11652 13594 NC 35 35 40 45 50 60 >65	10 X 34	0.50	172 - 00 - 37	NC	35	35	40	45	50	60	65
NC 35 35 40 45 50 60 >65 24 x 48 7.75 229 - 115 - 76	18 v 60	7 23	172 -86 - 57	cfm	1446	2892	4338	5784	7230	8676	10122
24 x 48 7.75 229 - 115 - 76 NC 35 35 40 45 50 60 >65 24 x 60 9.71 229 - 57 - 38 cfm 1942 3884 5826 7768 9710 11652 13594 NC 35 35 40 45 50 60 >65 30 x 48 9.73 286 - 143 - 95 cfm 1946 3892 5838 7784 9730 11676 13622 NC 35 40 40 45 50 60 >65 NC 35 40 40 45 50 60 >65	10 × 00	7.20	172 -00 - 51	NC	35	35	40	45	50	60	>65
NC 35 35 40 45 50 60 >65 24 x 60 9.71 229 - 57 - 38	24 v 48	7 75	220 - 115 - 76	cfm	1550	3100	4650	6200	7750	9300	10850
24 x 60 9.71 229 - 57 - 38 NC 35 35 40 45 50 60 >65 30 x 48 9.73 286 - 143 - 95 Cfm 1946 3892 5838 7784 9730 11676 13622 NC 35 40 40 45 50 60 >65 NC 35 40 40 45 50 60 >65	47 A 40	7.75	229 - 110 - 70	NC	35	35	40	45	50	60	>65
NC 35 35 40 45 50 60 >65 30 x 48 9.73 286 - 143 - 95	24 x 60	9.71	229 - 57 - 38	cfm	1942	3884	5826	7768	9710	11652	13594
30 X 48 9.73 286 - 143 - 95 NC 35 40 40 45 50 60 >65				NC	35	35	40	45	50	60	>65
NC 35 40 40 45 50 60 >65	30 v 48	9.73	3 286 - 143 - 95	cfm	1946	3892	5838	7784	9730	11676	13622
30 x 60 12.19 286 - 143 - 95 cfm 2438 4876 7314 9752 12190 14628 17066	JU X 40	J.13		NC	35	40	40	45	50	60	>65
	30 x 60	12.19	9 286 - 1/3 - 95	cfm	2438	4876	7314	9752	12190	14628	17066
NC 35 40 40 45 55 60 >65			200 - 140 - 30	NC	35	40	40	45	55	60	>65

Notes: 1. Radial spread angle given as a function of diameter of duct to which grille is attached. Spread angles shown are given in A-B-C format, where 'A' is spread angle for 12-inch, 'B' for 24-inch, and 'C' for 36-inch diameter duct. S = 360 (grille height) / πD.

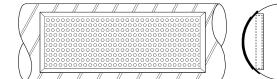
^{2.} Throw distance is given in x-y format, where 'x' is the throw distance for the terminal velocity of 150 fpm and 'y' is the throw distance for the terminal velocity of 50 fpm. Throw distance is measured along the discharge centerline, which is generally at an angle from 45 to 65 degrees from the duct centerline. Throw distances may actually be shorter than shown. (See *Engineering Report 159* for details.)

^{3.} NC is noise criteria for room with 10 dB absorbtion in each octave band. Actual NC varies according to room absorption, room size, and distance from the diffuser to the occupants.

^{4.} Grille sizes shown are nominal sizes of height and width. The height dimension assumes the arc length of duct to which it is attached.



An enterprise of United McGill Corporation — Founded in 1951



Framed Perforated Grille with Opposed Blade Damper, DDFGOBD

		Radial Spread Angle ¹	Face Velocity (fpm)	200	400	600	800	1000	1200	1400
		-(+)-	Static Pressure (inches wg)	0.02	0.06	0.14	0.24	0.37	0.53	0.71
Grille Size ⁴ (inches)	Grille Area (sq ft)	(degrees)	Throw Distance ² (feet)	10 -15	15 - 30	20 - 45	20 - 50	25 - 60	30 - 70	33 - 75
4 x 4 (8)	0.09	38 - 19 -13	cfm	18	36	54	72	90	108	126
			NC ³	15	15	20	25	35	40	50
4 x 6 (8)	0.13	38 - 19 -13	cfm	26	52	78	104	130	156	182
			NC .	15	20	25	25	35	45	55
4 x 8 (8)	0.18	38 - 19 -13	cfm	36	72	108	144	180	216	252
			NC ,	15	20	25	30	35	45	55
6 x 6 (10)	0.21	57 - 29 -19	cfm	42	84	126	168	210	252	294
. ,			NC	15	20	25	30	35	45	55
4 x 10 (8)	0.23	38 - 19 -13	cfm	46	92 20	138	184 30	230 35	276	322
			NC	15		25			45	55
4 x 12 (8)	0.28	38 - 19 -13	cfm	56 20	112 20	168 25	224 30	280 40	336 45	392 55
6 x 10			NC cfm			_				
(10)	0.36	57 - 29 -19	NC	72 20	144 25	216 25	288 30	360 40	432 45	504 55
` ′			cfm							
8 x 8 (12)	0.39	76 - 38 - 25	NC	78 20	156 25	234 25	312 30	390 40	468 45	546 55
6 x 12			cfm	88	176	264	352	440	528	616
(10)	0.44	57 - 29 -19	NC	20	25	25	302	440	528	55
6 x 16			cfm	118	236	354	472	590	708	826
(10)	0.59	57 - 29 -19	NC	20	25	30	35	40	50	55
8 x 12			cfm	120	240	360	480	600	720	840
(12)	0.60	76 - 38 - 25	NC	20	25	300	35	40	50	55
6 x 20	+	0.74 57 -29 - 19	cfm	148	296	444	592	740	888	1036
(10)	0.74		NC	25	25	30	35	40	50	60
8 x 16	2.24	70 00 05	cfm	162	324	486	648	810	972	1134
(12)	0.81	76 - 38 - 25	NC	25	25	30	35	40	50	60
12 x 12	0.00 445 57	445 57 00	cfm	184	368	486	648	810	972	1134
(18)	0.92	115 - 57 - 38	NC	25	25	30	35	45	50	60
8 x 24	1.00	76 00 05	cfm	244	488	732	976	1220	1464	1708
(12)	1.22	76 - 38 - 25	NC	25	30	30	35	45	50	60

Notes: 1. Radial spread angle given as a function of diameter of duct to which grille is attached. Spread angles shown are given in A-B-C format, where 'A' is spread angle for 12-inch, 'B' for 24-inch, and 'C' for 36-inch diameter duct. S = 360 (grille height) / πD.

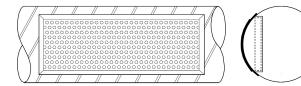
^{2.} Throw distance is given in x-y format, where 'x' is the throw distance for the terminal velocity of 150 fpm and 'y' is the throw distance for the terminal velocity of 50 fpm. Throw distance is measured along the discharge centerline, which is approximately 90 degrees or perpendicular to the duct centerline. Throw distances may actually be shorter than shown.

^{3.} NC is noise criteria for room with 10 dB absorbtion in each octave band. Actual NC varies according to room absorption, room size, and distance from the diffuser to the occupants.

^{4.} Grille sizes shown are nominal sizes of height and width. The height dimension assumes the arc length of duct to which it is attached. The number shown in parenthese is the minimum applicable duct diameter for that grille size.

McGill AirFlow LLC

An enterprise of United McGill Corporation — Founded in 1951



Framed Perforated Grille with Opposed Blade Damper, DDFGOBD

		Radial Spread Angle ¹	Face Velocity (fpm)	200	400	600	800	1000	1200	1400
		-(Static Pressure (inches wg)	0.02	0.06	0.14	0.24	0.37	0.53	0.71
Grille Size ⁴ (inches)	Grille Area (sq ft)	(degrees)	Throw Distance ² (feet)	10 -15	15 - 30	20 - 45	20 - 50	25 - 60	30 - 70	33 - 75
12 x 18 (18)	1.49	115 - 57 - 38	cfm NC ³	280 25	560 30	840 35	1120 35	1400 45	1680 55	1960 60
12 x 24			cfm	376	752	1128	1504	1880	2256	2632
(18)	1.88	115 - 57 - 38	NC	25	30	35	40	45	55	65
18 x18	0.40	470 00 57	cfm	426	852	1278	1704	2130	2556	2982
(24)	2.13	172 - 86 - 57	NC	15	30	35	40	45	55	65
12 x 30	2.36	115 - 57 - 38	cfm	472	944	1416	1888	2360	2832	3304
(18)	2.30	110 - 57 - 30	NC	25	30	35	40	45	55	65
12 x 36	2.84	115 - 57 - 38	cfm	568	1136	1704	2272	2840	3408	3976
(18)	2.04	110 07 00	NC	30	30	35	40	50	55	65
18 x 24	2.86	172 - 86 - 57	cfm	572	1144	1716	2288	2860	3432	4004
(24)			NC	30	30	35	40	45	55	65
18 x 30	3.59	172 - 86 - 57	cfm	718	1436	2154	2872	3590	4308	5026
(24)			NC	30	35	35	40	50	55	65
24 x 24 (32)	3.84	229 - 115 - 76	cfm	768	1536	2304 35	3072	3840	4608	5376
. ,			NC ofm	30	35		40	50	55	65
18 x 36 (24)	4.31	172 - 86 - 57	cfm NC	862 30	1724 35	2586 40	3448 40	4310 50	5172 55	6034 65
24 x 36			cfm	1158	2316	3474	4632	5790	6948	8106
(32)	5.79	229 - 115 - 76	NC	30	35	40	45	50	60	65
18 x 54	0.50	470 00 57	cfm	1300	2600	3900	5200	6500	7800	9100
(24)	6.50	172 - 86 - 57	NC	35	35	40	45	50	60	65
18 x 60	7.23	172 -86 - 57	cfm	1446	2892	4338	5784	7230	8676	10122
(24)	1.23	172 -00 - 37	NC	35	35	40	45	50	60	>65
24 x 48	7.75	229 - 115 - 76	cfm	1550	3100	4650	6200	7750	9300	10850
(32)	7.70		NC	35	35	40	45	50	60	>65
24 x 60	9.71	229 - 57 - 38	cfm	1942	3884	5826	7768	9710	11652	13594
(32)			NC	35	35	40	45	50	60	>65
30 x 48 (40)	9.73	286 - 143 - 95	cfm	1946	3892	5838	7784	9730	11676	13622
` ′			NC - for	35	40	40	45	50	60	>65
30 x 60 (40)	12.19	286 - 143 - 95	cfm	2438 35	4876 40	7314 40	9752 45	12190 55	14628 60	17066 >65
(10)			NC	ან	40	40	45	25	υO	>05

Notes: 1. Radial spread angle given as a function of diameter of duct to which grille is attached. Spread angles shown are given in A-B-C format, where 'A' is spread angle for 12-inch, 'B' for 24-inch, and 'C' for 36-inch diameter duct. S = 360 (grille height) / πD .

- 2. Throw distance is given in x-y format, where 'x' is the throw distance for the terminal velocity of 150 fpm and 'y' is the throw distance for the terminal velocity of 50 fpm. Throw distance is measured along the discharge centerline, which is approximately 90 degrees or perpendicular to the duct centerline. Throw distances may actually be shorter than shown.
- 3. NC is noise criteria for room with 10 dB absorbtion in each octave band. Actual NC varies according to room absorption, room size, and distance from the diffuser to the occupants.
- 4. Grille sizes shown are nominal sizes of height and width. The height dimension assumes the arc length of duct to which it is attached. The number shown in parenthese is the minimum applicable duct diameter for that grille size.