

FF-100 (1" SLOT) - HORIZONTAL PATTERN - 4' ACTIVE (ATTACHED JET)

# SLOTS	CFM/FT/ SLOT	20	25	30	40	50	60	70	80	90	100
1	CFM	80	100	120	160	200	240	280	320	360	400
	Ps	0.01	0.02	0.02	0.04	0.07	0.10	0.13	0.17	0.22	0.27
	NC	<10	<10	12	19	25	29	33	36	39	42
	Throw	3   5   10	4   6   13	5   8   15	7   10   19	9   13   21	10   15   23	12   17   25	14   19   26	15   20   28	17   21   30
2	CFM	160	200	240	320	400	480	560	640	720	800
	Ps	0.01	0.02	0.02	0.04	0.07	0.10	0.13	0.17	0.22	0.27
	NC	<10	11	15	22	28	32	36	39	42	45
	Throw	5   7   15	6   9   18	7   11   22	10   15   26	12   18   30	15   22   32	17   25   35	19   26   37	22   28   40	24   30   42
3	CFM	240	300	360	480	600	720	840	960	1080	1200
	Ps	0.01	0.02	0.02	0.04	0.07	0.10	0.13	0.17	0.22	0.27
	NC	<10	12	17	24	29	34	38	41	44	46
	Throw	6   9   18	7   11   22	9   13   27	12   18   32	15   22   36	18   27   40	21   30   43	24   32   46	27   34   48	30   36   51
4	CFM	320	400	480	640	800	960	1120	1280	1440	1600
	Ps	0.01	0.02	0.02	0.04	0.07	0.10	0.13	0.17	0.22	0.27
	NC	<10	14	18	25	31	35	39	42	45	48
	Throw	7   10   21	9   13   26	10   15   31	14   21   37	17   26   42	21   31   46	24   35   49	27   37   53	31   40   56	34   42   59

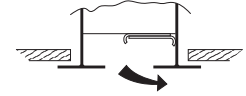
FF-150 (1-1/2" SLOT) - HORIZONTAL PATTERN - 4' ACTIVE (ATTACHED JET)

# SLOTS	CFM/FT/ SLOT	30	40	50	60	70	80	90	100	110	120
1	CFM	120	160	200	240	280	320	360	400	440	480
	Ps	0.01	0.02	0.03	0.05	0.07	0.09	0.11	0.14	0.17	0.20
	NC	<10	<10	13	19	24	28	32	35	38	41
	Throw	5   8   16	7   11   18	9   13   20	11   16   22	12   17   24	14   18   26	16   19   27	17   20   29	17   21   30	18   22   31
2	CFM	240	320	400	480	560	640	720	800	880	960
	Ps	0.01	0.02	0.03	0.05	0.07	0.09	0.11	0.14	0.17	0.20
	NC	<10	<10	16	22	27	31	35	38	41	44
	Throw	8   11   22	10   15   26	13   19   29	15   22   31	18   24   34	20   26   36	22   27   38	23   29   40	25   30   42	26   31   44
3	CFM	360	480	600	720	840	960	1080	1200	1320	1440
	Ps	0.01	0.02	0.03	0.05	0.07	0.09	0.11	0.14	0.17	0.20
	NC	<10	11	18	24	29	33	37	40	43	46
	Throw	9   14   27	12   19   31	15   23   35	19   27   38	22   29   41	25   31   44	27   33   47	29   35   50	30   37   52	31   38   54
4	CFM	480	640	800	960	1120	1280	1440	1600	1760	1920
	Ps	0.01	0.02	0.03	0.05	0.07	0.09	0.11	0.14	0.17	0.20
	NC	<10	12	19	25	30	34	38	41	44	47
	Throw	11   16   31	14   21   36	18   27   40	21   31   44	25   34   48	29   36   51	31   38   54	33   40   57	35   42   60	36   44   63

FF-200 (2" SLOT) - HORIZONTAL PATTERN - 4' ACTIVE (ATTACHED JET)

# SLOTS	CFM/FT/ SLOT	60	70	80	90	100	110	120	130	140	150
1	CFM	240	280	320	360	400	440	480	520	560	600
	Ps	0.03	0.04	0.05	0.06	0.07	0.09	0.10	0.12	0.14	0.16
	NC	18	22	25	28	31	33	35	37	39	41
	Throw	9   14   23	11   16   25	12   18   26	14   20   28	15   21   30	17   22   31	18   23   32	19   24   34	20   25   35	21   26   36
2	CFM	480	560	640	720	800	880	960	1040	1120	1200
	Ps	0.03	0.04	0.05	0.06	0.07	0.09	0.10	0.12	0.14	0.16
	NC	21	25	28	31	34	36	38	40	42	44
	Throw	13   20   32	15   23   35	17   26   37	20   28   40	22   30   42	24   31   44	26   32   46	27   34   48	29   35   49	30   36   51
3	CFM	720	840	960	1080	1200	1320	1440	1560	1680	1800
	Ps	0.03	0.04	0.05	0.06	0.07	0.09	0.10	0.12	0.14	0.16
	NC	23	27	30	33	36	38	40	42	44	45
	Throw	16   24   40	19   28   43	21   32   46	24   34   48	27   36   51	29   38   54	32   40   56	34   41   58	35   43   60	36   44   63
4	CFM	960	1120	1280	1440	1600	1760	1920	2080	2240	2400
	Ps	0.03	0.04	0.05	0.06	0.07	0.09	0.10	0.12	0.14	0.16
	NC	24	28	31	34	37	39	41	43	45	47
	Throw	18   28   46	22   32   49	25   37   53	28   40   56	31   42   59	34   44   62	37   46   65	39   48   67	40   49   70	42   51   72

For performance data notes see page A-7.



FF-250 (2-1/2" SLOT) - HORIZONTAL PATTERN - 4' ACTIVE (ATTACHED JET)

# SLOTS	CFM/FT/ SLOT	60	70	80	90	100	120	140	160	180	200
1	CFM	240	280	320	360	400	480	560	640	720	800
	Ps	0.02	0.03	0.04	0.04	0.06	0.08	0.11	0.14	0.18	0.22
	NC	12	16	20	22	25	29	33	37	39	42
	Throw	9   14   22	11   16   24	12   18   26	14   19   27	15   20   29	18   22   31	20   24   34	21   26   36	22   27   38	23   29   40
2	CFM	480	560	640	720	800	960	1120	1280	1440	1600
	Ps	0.02	0.03	0.04	0.04	0.06	0.08	0.11	0.14	0.18	0.22
	NC	16	19	23	25	28	33	36	40	42	45
	Throw	13   19   31	15   22   34	17   26   36	19   27   38	21   29   40	26   31   44	28   34   48	30   36   51	31   38   54	33   40   57
3	CFM	720	840	960	1080	1200	1440	1680	1920	2160	2400
	Ps	0.02	0.03	0.04	0.04	0.06	0.08	0.11	0.14	0.18	0.22
	NC	17	21	24	27	30	34	38	41	44	47
	Throw	16   23   38	18   27   41	21   31   44	23   33   47	26   35   50	31   38   54	34   41   59	36   44   63	38   47   67	40   50   70
4	CFM	960	1120	1280	1440	1600	1920	2240	2560	2880	3200
	Ps	0.02	0.03	0.04	0.04	0.06	0.08	0.11	0.14	0.18	0.22
	NC	19	22	26	28	31	36	39	43	45	48
	Throw	18   27   44	21   32   48	24   36   51	27   38   54	30   40   57	36   44   63	39   48   68	42   51   72	44   54   77	47   57   81

FF-300 (3" SLOT) - HORIZONTAL PATTERN - 4' ACTIVE (ATTACHED JET)

# SLOTS	CFM/FT/ SLOT	60	80	100	120	140	160	170	180	190	200
1	CFM	240	320	400	480	560	640	680	720	760	800
	Ps	0.02	0.04	0.07	0.09	0.13	0.17	0.19	0.21	0.23	0.26
	NC	<10	14	20	25	30	34	35	37	39	40
	Throw	7   11   22	10   15   26	12   19   29	15   22   31	17   24   34	20   26   36	21   26   37	22   27   38	23   28   39	23   29   40
2	CFM	480	640	800	960	1120	1280	1360	1440	1520	1600
	Ps	0.02	0.04	0.07	0.09	0.13	0.17	0.19	0.21	0.23	0.26
	NC	<10	17	23	28	33	37	38	40	42	43
	Throw	11   16   31	14   21   36	18   26   40	21   31   44	25   34   48	28   36   51	30   37   53	31   38   54	32   39   56	33   40   57
3	CFM	720	960	1200	1440	1680	1920	2040	2160	2280	2400
	Ps	0.02	0.04	0.07	0.09	0.13	0.17	0.19	0.21	0.23	0.26
	NC	10	18	25	30	35	38	40	42	43	45
	Throw	13   19   38	17   26   44	22   32   50	26   38   54	30   41   59	34   44   63	37   46   65	38   47   67	39   48   68	40   50   70
4	CFM	960	1280	1600	1920	2240	2560	2720	2880	3040	3200
	Ps	0.02	0.04	0.07	0.09	0.13	0.17	0.19	0.21	0.23	0.26
	NC	11	20	26	31	36	40	41	43	45	46
	Throw	15   22   44	20   30   51	25   37   57	30   44   63	35   48   68	40   51   72	42   53   75	44   54   77	46   56   79	47   57   81

Test Standard

- ANSI / ASHRAE standard 70 "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- Data based on non-ducted, pressurized ceiling plenum applications. Ducted plenums should be sized with inlet velocities less than 750 fpm while maintaining equal discharge velocities along the diffuser length to maintain catalogue data.

Sound Levels

- NC is noise criteria curve that will not be exceeded at the operating point. 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
- NC shown is based on 4' di user length. For other active lengths, use the following adjustment factors:

If Di user Length is:	2'	4'	6'	8'	10+'
Adjust NC value by:	-3	0	+2	+3	+4

Throw (Horizontal Pattern)

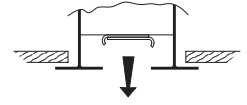
- The numbers shown in table are throw distances, in feet, measured along the jet trajectory axis relating to terminal velocities of 150,100, & 50 fpm, with the jet attached to a surface for a 10'+ active length. These are ONE way patterns. For other active lengths, use the following throw adjustment factors:

If Di user Length is:	2'	4'	6'	8'	10+'
Multiply Throw Dist By:	.70	1.0	1.2	1.4	1.6

- For installation with a free, unattached jet, multiply throw value by .70
- For two way applications, determine proportion of air in each direction and refer to throw distance for number of slots in the same direction.
- Terminal velocity is the air speed, in feet per minute, measured in the supply air stream

Pressure

- P<sub>s</sub> represents Static Pressure, inches of water



FF-100 (1" SLOT) - VERTICAL PROJECTION - 4' ACTIVE (FREE JET)

# SLOTS	CFM/FT/ SLOT	25	30	35	40	50	60	70	80	90	100
1	CFM	100	120	140	160	200	240	280	320	360	400
	Ps	.03	.05	.06	.08	.13	.19	.25	.33	.42	.52
	NC	11	15	19	22	27	31	35	38	41	43
	Throw	3   5   10	4   6   12	5   7   14	5   8   16	7   10   19	8   12   20	9   14   22	11   16   24	12   18   25	14   19   26
2	CFM	200	240	280	320	400	480	560	640	720	800
	Ps	.03	.05	.06	.08	.13	.19	.25	.33	.42	.52
	NC	14	18	22	25	30	34	38	41	44	46
	Throw	5   7   14	6   9   17	7   10   20	8   11   23	10   14   26	11   17   29	13   20   31	15   23   33	17   25   35	19   26   37
3	CFM	300	360	420	480	600	720	840	960	1080	1200
	Ps	.03	.05	.06	.08	.13	.19	.25	.33	.42	.52
	NC	16	20	24	27	32	36	40	43	46	48
	Throw	6   9   18	7   11   21	8   12   25	9   14   28	12   18   32	14   21   35	16   25   38	19   28   41	21   31   43	23   32   46
4	CFM	400	480	560	640	800	960	1120	1280	1440	1600
	Ps	.03	.05	.06	.08	.13	.19	.25	.33	.42	.52
	NC	17	21	25	28	33	37	41	44	47	49
	Throw	7   10   20	8   12   24	9   14   28	11   16   33	14   20   37	16   24   41	19   28   44	22   33   47	24   35   50	27   37   53

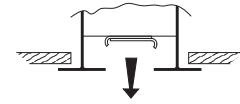
FF-150 (1-1/2" SLOT) - VERTICAL PROJECTION - 4' ACTIVE (FREE JET)

# SLOTS	CFM/FT/ SLOT	30	40	50	60	70	80	90	100	110	120
1	CFM	120	160	200	240	280	320	360	400	440	480
	Ps	.02	.04	.06	.08	.11	.15	.19	.23	.28	.33
	NC	<10	12	19	25	30	34	38	41	44	47
	Throw	3   5   10	4   6   13	5   8   16	6   10   18	7   11   20	9   13   21	10   14   22	11   16   24	12   18   25	13   18   26
2	CFM	240	320	400	480	560	640	720	800	880	960
	Ps	.02	.04	.06	.08	.11	.15	.19	.23	.28	.33
	NC	<10	<10	16	22	27	31	35	38	41	44
	Throw	5   7   14	6   9   18	8   11   23	9   14   26	11   16   28	12   18   30	14   20   32	15   23   33	17   25   35	18   26   37
3	CFM	360	480	600	720	840	960	1080	1200	1320	1440
	Ps	.02	.04	.06	.08	.11	.15	.19	.23	.28	.33
	NC	<10	11	18	24	29	33	37	40	43	46
	Throw	6   8   17	7   11   22	9   14   28	11   17   32	13   19   34	15   22   37	17   25   39	19   28   41	20   30   43	22   32   45
4	CFM	480	640	800	960	1120	1280	1440	1600	1760	1920
	Ps	.02	.04	.06	.08	.11	.15	.19	.23	.28	.33
	NC	<10	12	19	25	30	34	38	41	44	47
	Throw	6   10   19	9   13   26	11   16   32	13   19   37	15   22   40	17   26   42	19   29   45	21   32   47	24   35   50	26   37   52

FF-200 (2" SLOT) - VERTICAL PROJECTION - 4' ACTIVE (FREE JET)

# SLOTS	CFM/FT/ SLOT	70	80	90	100	110	120	130	140	150	160
1	CFM	280	320	360	400	440	480	520	560	600	640
	Ps	.05	.07	.08	.10	.12	.15	.17	.20	.23	.26
	NC	21	24	27	29	31	33	35	37	39	40
	Throw	6   9   19	7   11   22	8   12   23	9   14   25	10   15   26	11   16   27	12   18   28	13   19   29	14   20   30	14   22   31
2	CFM	560	640	720	800	880	960	1040	1120	1200	1280
	Ps	.05	.07	.08	.10	.12	.15	.17	.20	.23	.26
	NC	24	27	30	32	34	36	38	40	42	43
	Throw	9   13   27	10   15   31	11   17   33	13   19   35	14   21   36	15   23   38	17   25   40	18   27   41	19   29   43	20   31   44
3	CFM	840	960	1080	1200	1320	1440	1560	1680	1800	1920
	Ps	.05	.07	.08	.10	.12	.15	.17	.20	.23	.26
	NC	26	29	32	34	36	38	40	42	43	45
	Throw	11   16   33	13   19   38	14   21   40	16   23   43	17   26   45	19   28   47	20   31   49	22   33   50	23   35   52	25   38   54
4	CFM	1120	1280	1440	1600	1760	1920	2080	2240	2400	2560
	Ps	.05	.07	.08	.10	.12	.15	.17	.20	.23	.26
	NC	27	30	33	35	37	39	41	43	45	46
	Throw	13   19   38	14   22   43	16   24   47	18   27   49	20   30   52	22   33   54	23   35   56	25   38   58	27   41   60	29   43   62

For performance data notes see page A-7a.



FF-250 (2-1/2" SLOT) - VERTICAL PROJECTION- 4' ACTIVE (FREE JET)

# SLOTS	CFM/FT/ SLOT	50			60			70			80			90			100			120			140			160			180		
1	CFM	200			240			280			320			360			400			480			560			640			720		
	Ps	.01			.02			.03			.04			.04			.06			.08			.11			.14			.18		
	NC	<10			12			16			20			22			25			29			33			37			39		
	Throw	4	7	13	5	8	16	6	9	18	7	11	21	8	12	22	9	13	23	11	16	25	12	18	27	14	21	29	16	22	31
2	CFM	400			480			560			640			720			800			960			1120			1280			1440		
	Ps	.01			.02			.03			.04			.04			.06			.08			.11			.14			.18		
	NC	11			16			19			23			25			28			33			36			40			42		
	Throw	6	9	19	7	11	22	9	13	26	10	15	29	11	17	31	12	19	33	15	22	36	17	26	39	20	29	41	22	31	44
3	CFM	600			720			840			960			1080			1200			1440			1680			1920			2160		
	Ps	.01			.02			.03			.04			.04			.06			.08			.11			.14			.18		
	NC	13			17			21			24			27			30			34			38			41			44		
	Throw	8	11	23	9	14	27	11	16	32	12	18	36	14	21	38	15	23	40	18	27	44	21	32	48	24	36	51	27	38	54
4	CFM	800			960			1120			1280			1440			1600			1920			2240			2560			2880		
	Ps	.01			.02			.03			.04			.04			.06			.08			.11			.14			.18		
	NC	14			19			22			26			28			31			36			39			43			45		
	Throw	9	13	26	11	16	32	12	18	37	14	21	41	16	24	44	18	26	46	21	32	51	25	37	55	28	41	59	32	44	62

FF-300 (3" SLOT) - VERTICAL PROJECTION - 4' ACTIVE (FREE JET)

# SLOTS	CFM/FT/ SLOT	70			80			90			100			110			120			140			160			180			200		
1	CFM	280			320			360			400			440			480			560			640			720			800		
	Ps	.03			.04			.05			.06			.07			.08			.11			.15			.19			.23		
	NC	10			14			17			20			23			25			30			34			37			40		
	Throw	6	8	17	6	10	19	7	11	21	8	12	22	9	13	23	10	14	24	11	17	26	13	19	28	14	21	30	16	22	32
2	CFM	560			640			720			800			880			960			1120			1280			1440			1600		
	Ps	.03			.04			.05			.06			.07			.08			.11			.15			.19			.23		
	NC	13			17			20			23			26			28			33			37			40			43		
	Throw	8	12	24	9	14	27	10	15	30	11	17	32	12	19	33	14	20	35	16	24	37	18	27	40	20	30	42	23	32	45
3	CFM	840			960			1080			1200			1320			1440			1680			1920			2160			2400		
	Ps	.03			.04			.05			.06			.07			.08			.11			.15			.19			.23		
	NC	15			18			22			25			28			30			35			38			42			45		
	Throw	10	15	29	11	17	33	12	19	37	14	21	39	15	23	41	17	25	42	19	29	46	22	33	49	25	37	52	28	39	55
4	CFM	1120			1280			1440			1600			1760			1920			2240			2560			2880			3200		
	Ps	.03			.04			.05			.06			.07			.08			.11			.15			.19			.23		
	NC	16			20			23			26			29			31			36			40			43			46		
	Throw	11	17	34	13	19	38	14	22	42	16	24	45	18	26	47	19	29	49	22	34	53	26	38	57	29	42	60	32	45	63

Test Standard

- ANSI / ASHRAE standard 70 "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- Data based on non-ducted, pressurized ceiling plenum applications. Ducted plenums should be sized with inlet velocities less than 750 fpm while maintaining equal discharge velocities along the diffuser length to maintain catalogue data.

Pressure

- Ps represents Static Pressure, inches of water

Sound Levels

- NC is noise criteria curve that will not be exceeded at the operating point. 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
- NC shown is based on 4' diffuser length. For other active lengths, use the following adjustment factors:

If Diffuser Length is:	2'	4'	6'	8'	10+'
Adjust NC value by:	-3	0	+2	+3	+4

Vertical Projection

- The numbers shown in table are projection distances, in feet, measured along the jet trajectory axis relating to a terminal velocity of 50 fpm, for a 4' active length. These projection distances are based on Isothermal conditions.

For other active lengths, use the following projection adjustment factors:

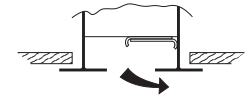
If Diffuser Length is:	2'	4'	6'	8'	10+'
Multiply Throw Dist By:	.70	1.0	1.2	1.4	1.6

Projection distances will increase or shorten based on a heating or cooling differential. Multiply the Isothermal projection distances from the tables above by the adjustment factor shown below:

Temperature Differential, °F:	0	5	10	15	20
Heating - Adjustment Factor :	1.00	.93	.87	.82	.77
Cooling - Adjustment Factor :	1.00	1.05	1.10	1.16	1.23

- The table data is for a free, unattached jet (no surface effect). If the diffuser is close to a vertical surface and the jet attaches to that surface, the projection distance will increase by approximately x 1.4

FF-100 (1" SLOT) - 1 SLOT - HORIZONTAL PATTERN - (ATTACHED JET)



Architectural Diffusers

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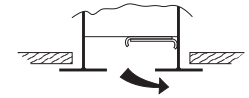
6" Ø INLET	24"	CFM	40	60	80	100	120	140	160	180	200	220																			
		P <sub>s</sub>	.01	.03	.05	.08	.11	.15	.20	.25	.31	.38																			
		P <sub>T</sub>	.02	.03	.06	.09	.14	.18	.24	.31	.38	.46																			
		NC	11	18	22	26	30	33	35	38	40	42																			
	Throw	2	4	7	4	5	11	5	7	13	6	9	15	7	11	16	8	12	17	10	13	19	11	14	20	12	15	21	13	15	22
	36"	CFM	60	75	90	120	150	180	210	240	270	300																			
		P <sub>s</sub>	.01	.02	.03	.05	.08	.11	.15	.20	.25	.31																			
		P <sub>T</sub>	.02	.03	.04	.07	.11	.16	.22	.29	.37	.46																			
		NC	17	20	23	28	31	34	37	39	41	43																			
	Throw	3	4	9	4	6	11	4	7	13	6	9	16	7	11	18	9	13	20	10	15	21	12	16	23	13	17	24	15	18	26
	48"	CFM	140	160	180	200	220	240	260	280	300	320																			
		P <sub>s</sub>	.04	.05	.06	.08	.09	.11	.13	.15	.18	.20																			
		P <sub>T</sub>	.07	.09	.12	.14	.17	.21	.24	.28	.32	.37																			
		NC	29	31	33	35	36	38	39	40	41	42																			
	Throw	6	9	17	7	10	19	8	12	20	9	13	21	9	14	22	10	15	23	11	17	24	12	17	25	13	18	26	14	19	26
	60"	CFM	125	150	175	200	225	250	275	300	325	350																			
P <sub>s</sub>		.02	.03	.04	.05	.06	.08	.09	.11	.13	.15																				
P <sub>T</sub>		.04	.06	.09	.11	.15	.18	.22	.26	.30	.35																				
NC		28	30	33	35	36	38	39	41	42	43																				
Throw	5	7	14	6	9	17	7	10	20	8	11	21	9	13	22	10	14	23	11	16	24	11	17	26	12	19	27	13	20	28	

8" Ø INLET	24"	CFM	40	60	80	100	120	140	160	180	200	220																			
		P <sub>s</sub>	.01	.03	.05	.08	.11	.15	.20	.25	.31	.38																			
		P <sub>T</sub>	.01	.03	.05	.08	.12	.16	.21	.27	.33	.40																			
		NC	<10	12	18	23	27	31	33	36	39	41																			
	Throw	2	4	7	4	5	11	5	7	13	6	9	15	7	11	16	8	12	17	10	13	19	11	14	20	12	15	21	13	15	22
	36"	CFM	60	75	90	120	150	180	210	240	270	300																			
		P <sub>s</sub>	.01	.02	.03	.05	.08	.11	.15	.20	.25	.31																			
		P <sub>T</sub>	.01	.02	.03	.06	.09	.13	.18	.23	.29	.36																			
		NC	<10	13	16	21	26	30	33	36	39	41																			
	Throw	3	4	9	4	6	11	4	7	13	6	9	16	7	11	18	9	13	20	10	15	21	12	16	23	13	17	24	15	18	26
	48"	CFM	140	160	180	200	220	240	260	300	340	380																			
		P <sub>s</sub>	.04	.05	.06	.08	.09	.11	.13	.18	.23	.28																			
		P <sub>T</sub>	.05	.06	.08	.10	.12	.14	.17	.22	.28	.36																			
		NC	22	24	26	29	30	32	33	37	39	41																			
	Throw	6	9	17	7	10	19	8	12	20	9	13	21	9	14	22	10	15	23	11	17	24	13	18	26	15	19	27	16	20	29
	60"	CFM	125	150	175	200	225	250	275	325	375	425																			
P <sub>s</sub>		.02	.03	.04	.05	.06	.08	.09	.13	.18	.23																				
P <sub>T</sub>		.03	.04	.05	.07	.09	.11	.13	.19	.25	.32																				
NC		20	22	25	27	29	31	33	36	39	41																				
Throw	5	7	14	6	9	17	7	10	20	8	11	21	9	13	22	10	14	23	11	16	24	12	19	27	14	20	29	16	22	30	

10" Ø INLET	24"	CFM	40	60	80	100	120	140	160	180	200	220																			
		P <sub>s</sub>	.01	.03	.05	.08	.11	.15	.20	.25	.31	.38																			
		P <sub>T</sub>	.01	.03	.05	.08	.12	.16	.21	.26	.32	.39																			
		NC	<10	<10	16	22	26	30	33	36	39	41																			
	Throw	2	4	7	4	5	11	5	7	13	6	9	15	7	11	16	8	12	17	10	13	19	11	14	20	12	15	21	13	15	22
	36"	CFM	60	75	105	135	165	195	225	255	285	315																			
		P <sub>s</sub>	.01	.02	.04	.06	.09	.13	.18	.23	.28	.34																			
		P <sub>T</sub>	.01	.02	.04	.07	.10	.14	.19	.24	.30	.37																			
		NC	<10	<10	16	22	27	30	33	36	39	42																			
	Throw	3	4	9	4	6	11	5	8	15	7	10	17	8	12	19	10	14	21	11	16	22	13	17	24	14	18	25	15	19	26
	48"	CFM	140	160	180	200	220	240	280	320	360	400																			
		P <sub>s</sub>	.04	.05	.06	.08	.09	.11	.15	.20	.25	.31																			
		P <sub>T</sub>	.04	.06	.07	.09	.10	.12	.17	.22	.28	.35																			
		NC	18	21	24	26	28	30	34	36	39	42																			
	Throw	6	9	17	7	10	19	8	12	20	9	13	21	9	14	22	10	15	23	12	17	25	14	19	26	15	20	28	17	21	30
	60"	CFM	125	150	175	200	225	250	300	350	400	450																			
P <sub>s</sub>		.02	.03	.04	.05	.06	.08	.11	.15	.20	.25																				
P <sub>T</sub>		.02	.03	.04	.06	.07	.09	.13	.18	.23	.30																				
NC		14	17	20	23	25	28	31	35	38	41																				
Throw	5	7	14	6	9	17	7	10	20	8	11	21	9	13	22	10	14	23	11	17	26	13	20	28	15	21	30	17	22	31	

For performance data notes see page FF-11

FF-100 (1" SLOT) - 2 SLOTS - HORIZONTAL PATTERN - (ATTACHED JET)



Architectural Diffusers

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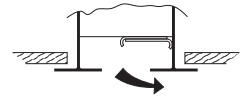
6" Ø INLET	24"	CFM	80	100	120	160	200	240	260	280	300	320
		P <sub>s</sub>	.01	.02	.03	.05	.08	.11	.13	.15	.18	.20
		P <sub>T</sub>	.02	.04	.05	.09	.14	.21	.24	.28	.32	.37
		NC	21	25	27	31	35	38	39	40	41	42
		Throw	2 4 7	6 9 15	7 11 16	10 13 19	12 15 21	13 16 23	14 17 24	14 17 25	15 18 26	15 19 26
	36"	CFM	90	120	150	180	210	240	255	270	300	330
		P <sub>s</sub>	.01	.01	.02	.03	.04	.05	.06	.06	.08	.09
		P <sub>T</sub>	.02	.04	.06	.08	.11	.14	.16	.18	.22	.27
		NC	23	27	30	33	35	37	38	39	40	42
		Throw	3 5 9	4 6 13	5 8 16	6 9 19	7 11 21	8 13 23	9 13 24	9 14 24	10 16 26	12 17 27
	48"	CFM	80	100	120	140	160	180	200	240	280	320
		P <sub>s</sub>	.01	.01	.01	.01	.01	.02	.02	.03	.04	.05
		P <sub>T</sub>	.02	.03	.03	.04	.05	.07	.08	.12	.17	.22
		NC	21	24	27	29	31	33	34	37	39	41
		Throw	2 4 7	3 5 9	4 5 11	4 6 13	5 7 15	5 8 16	6 9 18	7 11 22	8 13 25	10 15 26
	60"	CFM	100	125	150	175	200	225	250	275	300	325
		P <sub>s</sub>	.01	.01	.01	.01	.01	.02	.02	.02	.03	.03
		P <sub>T</sub>	.03	.04	.05	.06	.08	.10	.12	.15	.17	.20
		NC	24	28	30	32	34	36	38	39	40	41
		Throw	2 4 8	3 5 10	4 6 12	5 7 14	5 8 16	6 9 18	7 10 20	7 11 22	8 12 24	9 13 26

8" Ø INLET	24"	CFM	80	100	120	160	200	240	280	320	360	380
		P <sub>s</sub>	.01	.02	.03	.05	.08	.11	.15	.20	.25	.28
		P <sub>T</sub>	.02	.02	.04	.06	.10	.14	.19	.25	.32	.36
		NC	13	17	20	24	29	32	35	38	40	41
		Throw	2 4 7	6 9 15	7 11 16	10 13 19	12 15 21	13 16 23	14 17 25	15 19 26	16 20 28	17 20 29
	36"	CFM	120	150	210	270	330	360	390	420	450	480
		P <sub>s</sub>	.01	.02	.04	.06	.09	.11	.13	.15	.18	.20
		P <sub>T</sub>	.02	.03	.06	.10	.15	.18	.21	.24	.28	.32
		NC	19	22	27	31	35	36	38	39	40	41
		Throw	4 6 13	5 8 16	7 11 21	9 14 24	12 17 27	13 19 28	14 20 29	15 21 30	16 22 31	17 23 32
	48"	CFM	160	200	240	280	320	360	400	440	480	520
		P <sub>s</sub>	.01	.02	.03	.04	.05	.06	.08	.09	.11	.13
		P <sub>T</sub>	.03	.04	.06	.08	.10	.13	.16	.19	.23	.27
		NC	23	26	29	31	33	35	37	38	40	41
		Throw	5 7 15	6 9 18	7 11 22	8 13 25	10 15 26	11 16 28	12 18 30	13 20 31	15 22 32	16 24 34
	60"	CFM	200	225	250	275	300	350	400	450	500	550
		P <sub>s</sub>	.01	.02	.02	.02	.03	.04	.05	.06	.08	.09
		P <sub>T</sub>	.03	.04	.05	.06	.07	.10	.13	.17	.21	.25
		NC	26	28	29	31	32	34	36	38	40	41
		Throw	5 8 16	6 9 18	7 10 20	7 11 22	8 12 24	9 14 28	11 16 30	12 18 31	14 20 33	15 22 35

10" Ø INLET	24"	CFM	80	100	120	160	200	240	280	320	360	400
		P <sub>s</sub>	.01	.02	.03	.05	.08	.11	.15	.20	.25	.31
		P <sub>T</sub>	.01	.02	.03	.06	.09	.12	.17	.22	.28	.35
		NC	<10	12	15	21	26	30	34	36	39	42
		Throw	2 4 7	6 9 15	7 11 16	10 13 19	12 15 21	13 16 23	14 17 25	15 19 26	16 20 28	17 21 30
	36"	CFM	120	150	210	270	330	390	450	480	510	540
		P <sub>s</sub>	.01	.02	.04	.06	.09	.13	.18	.20	.23	.25
		P <sub>T</sub>	.02	.02	.05	.08	.12	.16	.22	.25	.28	.31
		NC	13	16	22	27	31	35	37	39	40	42
		Throw	4 6 13	5 8 16	7 11 21	9 14 24	12 17 27	14 20 29	16 22 31	17 23 32	18 24 33	19 24 34
	48"	CFM	240	280	320	360	400	440	480	520	560	600
		P <sub>s</sub>	.03	.04	.05	.06	.08	.09	.11	.13	.15	.18
		P <sub>T</sub>	.04	.05	.07	.09	.11	.14	.16	.19	.22	.25
		NC	23	26	28	30	32	34	35	37	38	40
		Throw	7 11 22	8 13 25	10 15 26	11 16 28	12 18 30	13 20 31	15 22 32	16 24 34	17 25 35	18 26 36
	60"	CFM	250	300	350	400	450	500	600	650	700	750
		P <sub>s</sub>	.02	.03	.04	.05	.06	.08	.11	.13	.15	.18
		P <sub>T</sub>	.03	.05	.06	.08	.11	.13	.19	.22	.26	.29
		NC	23	26	28	31	32	34	37	39	40	42
		Throw	7 10 20	8 12 24	9 14 28	11 16 30	12 18 31	14 20 33	16 24 36	18 26 38	19 28 39	20 29 40

For performance data notes see page FF-11

FF-150 (1-1/2" SLOT) - 1 SLOT - HORIZONTAL PATTERN - (ATTACHED JET)



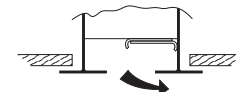
6" Ø INLET	24"	CFM	80	100	120	140	160	180	190	200	220	240																			
		P <sub>s</sub>	.03	.04	.06	.08	.10	.13	.14	.16	.19	.23																			
		P <sub>T</sub>	.04	.06	.08	.11	.14	.18	.20	.22	.27	.32																			
		NC	21	25	27	30	32	34	36	36	38	41																			
	Throw	5	8	13	6	9	14	8	11	16	9	12	17	10	13	18	11	14	19	11	14	20	12	14	20	12	15	21	13	16	22
	36"	CFM	75	90	120	150	180	180	210	240	270	300																			
		P <sub>s</sub>	.01	.01	.03	.04	.06	.06	.08	.10	.13	.16																			
		P <sub>T</sub>	.02	.03	.05	.08	.11	.11	.15	.20	.25	.31																			
		NC	20	23	27	30	33	33	35	37	39	41																			
	Throw	4	6	12	5	7	14	6	9	16	8	12	18	9	14	19	9	14	19	11	15	21	12	16	22	14	17	24	14	18	25
	48"	CFM	80	120	160	200	220	240	260	280	300	320																			
		P <sub>s</sub>	.01	.01	.03	.04	.05	.06	.07	.08	.09	.10																			
P <sub>T</sub>		.02	.04	.07	.10	.13	.15	.18	.21	.24	.27																				
NC		21	27	31	34	36	37	38	39	40	41																				
Throw	3	5	11	5	8	16	7	11	18	9	13	20	10	15	21	11	16	22	12	16	23	12	17	24	13	18	25	14	18	26	
60"	CFM	75	100	125	150	175	200	250	275	300	325																				
	P <sub>s</sub>	.01	.01	.01	.01	.02	.03	.04	.05	.06	.07																				
	P <sub>T</sub>	.02	.03	.04	.05	.07	.09	.14	.17	.20	.24																				
	NC	20	24	28	30	32	34	38	39	40	41																				
Throw	2	4	9	3	6	12	5	7	15	6	9	18	7	10	19	8	12	20	10	15	23	11	16	24	12	18	25	13	18	26	

8" Ø INLET	24"	CFM	120	140	160	180	190	200	210	220	240	260																			
		P <sub>s</sub>	.06	.08	.10	.13	.14	.16	.18	.19	.23	.27																			
		P <sub>T</sub>	.06	.09	.12	.15	.16	.18	.20	.22	.26	.30																			
		NC	21	24	27	30	32	33	35	36	38	41																			
	Throw	8	11	16	9	12	17	10	13	18	11	14	19	11	14	20	12	14	20	12	15	21	12	15	21	13	16	22	13	16	23
	36"	CFM	120	150	180	195	210	240	270	300	330	360																			
		P <sub>s</sub>	.03	.04	.06	.07	.08	.10	.13	.16	.19	.23																			
		P <sub>T</sub>	.03	.05	.07	.09	.10	.13	.17	.21	.25	.30																			
		NC	19	22	25	27	28	31	34	36	39	41																			
	Throw	6	9	16	8	12	18	9	14	19	10	14	20	11	15	21	12	16	22	14	17	24	14	18	25	15	18	26	16	19	27
	48"	CFM	120	160	200	220	240	280	320	360	400	440																			
		P <sub>s</sub>	.01	.03	.04	.05	.06	.08	.10	.13	.16	.19																			
P <sub>T</sub>		.02	.04	.06	.07	.09	.12	.15	.20	.24	.29																				
NC		19	23	26	28	29	32	34	36	39	41																				
Throw	5	8	16	7	11	18	9	13	20	10	15	21	11	16	22	12	17	24	14	18	26	16	19	27	17	20	29	17	21	30	
60"	CFM	150	200	250	275	300	325	350	400	450	500																				
	P <sub>s</sub>	.01	.03	.04	.05	.06	.07	.08	.10	.13	.16																				
	P <sub>T</sub>	.03	.05	.07	.09	.10	.12	.14	.18	.23	.29																				
	NC	22	26	29	31	32	34	35	37	39	41																				
Throw	6	9	18	8	12	20	10	15	23	11	16	24	12	18	25	13	18	26	14	19	27	16	20	29	18	21	30	18	23	32	

10" Ø INLET	24"	CFM	140	150	160	170	180	190	200	220	240	260																			
		P <sub>s</sub>	.08	.09	.10	.12	.13	.14	.16	.19	.23	.27																			
		P <sub>T</sub>	.08	.09	.11	.12	.14	.15	.17	.20	.24	.28																			
		NC	22	24	26	27	29	31	32	35	38	41																			
	Throw	9	12	17	9	12	18	10	13	18	11	13	19	11	14	19	11	14	20	12	14	20	12	15	21	13	16	22	13	16	23
	36"	CFM	180	210	240	255	270	285	300	315	345	375																			
		P <sub>s</sub>	.06	.08	.10	.12	.13	.14	.16	.18	.21	.25																			
		P <sub>T</sub>	.06	.09	.11	.13	.14	.16	.18	.20	.24	.28																			
		NC	21	25	28	30	32	33	35	36	38	41																			
	Throw	9	14	19	11	15	21	12	16	22	13	16	23	14	17	24	14	17	24	14	18	25	15	18	25	15	19	27	16	20	28
	48"	CFM	200	240	280	300	320	340	360	400	440	480																			
		P <sub>s</sub>	.04	.06	.08	.09	.10	.12	.13	.16	.19	.23																			
P <sub>T</sub>		.05	.07	.09	.11	.12	.14	.16	.19	.23	.28																				
NC		21	24	27	29	30	32	34	36	39	42																				
Throw	9	13	20	11	16	22	12	17	24	13	18	25	14	18	26	15	19	26	16	19	27	17	20	29	17	21	30	18	22	31	
60"	CFM	200	250	300	350	400	425	450	475	500	550																				
	P <sub>s</sub>	.03	.04	.06	.08	.10	.12	.13	.14	.16	.19																				
	P <sub>T</sub>	.03	.05	.08	.10	.14	.15	.17	.19	.21	.26																				
	NC	20	23	27	30	32	34	35	37	38	40																				
Throw	8	12	20	10	15	23	12	18	25	14	19	27	16	20	29	17	21	30	18	21	30	18	22	31	18	23	32	19	24	34	

For performance data notes see page FF-11

FF-150 (1-1/2" SLOT) - 2 SLOTS - HORIZONTAL PATTERN - (ATTACHED JET)



Architectural Diffusers

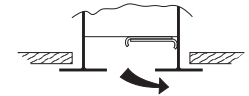
A

Inlet Size	Diffuser Size	Parameter	CFM												Throw																								
			80	105	135	160	185	215	240	265	295	320	2	4	8	7	10	15	9	12	17	10	13	18	11	14	19	12	15	21	13	16	22	13	16	23	14	17	25
6" Ø INLET	24"	CFM	80	105	135	160	185	215	240	265	295	320																											
		P <sub>s</sub>	.01	.01	.02	.03	.03	.05	.06	.07	.09	.10																											
		P <sub>T</sub>	.02	.03	.05	.07	.09	.12	.15	.18	.23	.27																											
		NC	21	25	29	31	33	36	37	39	40	41																											
	36"	CFM	80	105	135	160	190	220	245	275	300	330																											
		P <sub>s</sub>	.01	.01	.01	.01	.02	.02	.03	.03	.04	.05																											
		P <sub>T</sub>	.02	.03	.04	.05	.07	.10	.12	.16	.19	.22																											
		NC	21	25	29	31	34	36	37	39	40	42																											
	48"	CFM	80	105	135	160	185	215	240	265	295	320																											
		P <sub>s</sub>	.01	.01	.01	.01	.01	.01	.01	.02	.02	.03																											
		P <sub>T</sub>	.02	.03	.04	.05	.07	.09	.11	.13	.16	.19																											
		NC	21	25	29	31	33	35	37	38	40	41																											
	60"	CFM	80	105	130	155	180	200	225	250	275	300																											
		P <sub>s</sub>	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01																											
		P <sub>T</sub>	.02	.03	.04	.05	.06	.07	.09	.11	.13	.16																											
		NC	21	25	28	31	33	34	36	38	39	40																											
8" Ø INLET	24"	CFM	140	175	205	240	275	305	340	375	405	440																											
		P <sub>s</sub>	.02	.03	.04	.06	.07	.09	.12	.14	.17	.19																											
		P <sub>T</sub>	.03	.05	.06	.09	.11	.14	.17	.21	.25	.29																											
		NC	21	24	27	29	31	33	35	37	39	41																											
	36"	CFM	150	195	235	280	325	365	410	455	495	540																											
		P <sub>s</sub>	.01	.02	.02	.03	.05	.06	.07	.09	.11	.13																											
		P <sub>T</sub>	.02	.04	.05	.07	.10	.13	.16	.20	.23	.28																											
		NC	22	26	28	31	33	35	37	38	40	41																											
	48"	CFM	130	175	225	270	320	370	415	465	510	560																											
		P <sub>s</sub>	.01	.01	.01	.02	.03	.03	.04	.05	.07	.08																											
		P <sub>T</sub>	.02	.03	.04	.06	.08	.10	.13	.16	.20	.24																											
		NC	20	24	28	30	33	35	37	38	40	41																											
	60"	CFM	140	185	230	275	320	370	415	460	505	550																											
		P <sub>s</sub>	.01	.01	.01	.01	.02	.02	.03	.03	.04	.05																											
		P <sub>T</sub>	.02	.03	.04	.05	.07	.09	.12	.14	.17	.20																											
		NC	21	25	28	31	33	35	37	38	40	41																											
10" Ø INLET	24"	CFM	200	230	260	285	315	345	375	400	430	460																											
		P <sub>s</sub>	.04	.05	.07	.08	.10	.12	.14	.16	.19	.21																											
		P <sub>T</sub>	.05	.06	.08	.10	.12	.14	.17	.20	.22	.26																											
		NC	21	23	25	28	30	32	34	36	39	41																											
	36"	CFM	210	255	305	350	395	445	490	535	585	630																											
		P <sub>s</sub>	.02	.03	.04	.05	.07	.09	.11	.13	.15	.18																											
		P <sub>T</sub>	.03	.04	.06	.08	.10	.13	.16	.19	.22	.26																											
		NC	20	23	26	28	31	33	35	36	39	41																											
	48"	CFM	200	260	325	385	450	510	575	635	700	760																											
		P <sub>s</sub>	.01	.02	.03	.04	.05	.07	.08	.10	.12	.14																											
		P <sub>T</sub>	.02	.03	.05	.07	.09	.12	.15	.19	.22	.27																											
		NC	20	24	27	29	32	34	36	37	39	41																											
	60"	CFM	200	270	345	415	490	560	635	705	780	850																											
		P <sub>s</sub>	.01	.01	.02	.03	.04	.05	.06	.08	.10	.12																											
		P <sub>T</sub>	.02	.03	.04	.06	.09	.12	.15	.18	.22	.27																											
		NC	20	24	28	30	33	35	37	38	40	41																											

For performance data notes see page FF-11



FF-200 (2" SLOT) - 1 SLOTS - HORIZONTAL PATTERN - (ATTACHED JET)



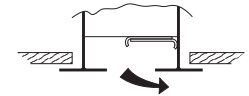
6" Ø INLET	24"	CFM	80			100			125			145			170			190			215			235			260			280		
		P <sub>s</sub>	.01			.02			.03			.04			.06			.08			.09			.11			.14			.16		
		P <sub>T</sub>	.02			.04			.06			.08			.11			.13			.17			.20			.25			.29		
		NC	21			25			28			30			33			35			36			38			40			41		
	Throw	5	8	13	6	9	15	8	12	17	9	13	18	11	14	19	12	14	20	12	15	22	13	16	23	14	17	24	14	17	25	
	36"	CFM	75			100			130			155			180			210			235			260			290			315		
		P <sub>s</sub>	.01			.01			.02			.02			.03			.04			.05			.06			.08			.09		
		P <sub>T</sub>	.02			.03			.04			.06			.08			.11			.14			.17			.21			.25		
		NC	20			24			28			31			33			35			37			38			40			41		
	Throw	4	6	12	5	8	15	7	10	17	8	12	18	9	14	20	11	15	21	12	16	23	13	17	24	15	18	25	15	19	26	
	48"	CFM	80			105			135			160			185			215			240			265			295			320		
		P <sub>s</sub>	.01			.01			.01			.01			.02			.02			.03			.04			.04			.05		
		P <sub>T</sub>	.02			.03			.04			.05			.07			.10			.12			.15			.18			.22		
		NC	21			25			29			31			33			36			37			39			40			41		
	Throw	3	5	11	5	7	14	6	9	17	7	11	19	8	12	20	10	14	22	11	16	23	12	17	24	13	18	25	14	19	26	
	60"	CFM	75			105			130			160			185			215			240			270			295			325		
P <sub>s</sub>		.01			.01			.01			.01			.01			.02			.02			.02			.03			.03			
P <sub>T</sub>		.02			.03			.04			.05			.07			.09			.11			.14			.17			.21			
NC		20			25			28			31			33			35			37			39			40			41			
Throw	2	4	9	4	6	13	5	8	16	6	10	19	7	11	20	9	13	22	10	14	23	11	16	24	12	18	25	13	19	27		

8" Ø INLET	24"	CFM	120			145			165			190			215			235			260			285			305			330		
		P <sub>s</sub>	.03			.04			.06			.07			.09			.12			.14			.17			.21			.28		
		P <sub>T</sub>	.04			.05			.07			.09			.12			.14			.17			.21			.24			.28		
		NC	20			24			26			29			31			34			35			37			39			41		
	Throw	8	11	16	9	13	18	10	13	19	12	14	20	12	15	22	13	16	23	14	17	24	14	18	25	15	18	26	15	19	27	
	36"	CFM	135			170			200			235			270			300			335			370			400			435		
		P <sub>s</sub>	.02			.03			.04			.05			.07			.08			.10			.12			.15			.17		
		P <sub>T</sub>	.03			.04			.06			.08			.10			.13			.16			.19			.23			.27		
		NC	21			24			27			30			32			34			36			38			40			41		
	Throw	7	10	17	9	13	19	10	15	21	12	16	23	14	17	24	15	18	26	16	19	27	16	20	28	17	21	30	18	22	31	
	48"	CFM	140			180			215			255			290			330			365			405			440			480		
		P <sub>s</sub>	.01			.02			.02			.03			.04			.06			.07			.08			.10			.12		
		P <sub>T</sub>	.02			.03			.05			.07			.09			.11			.14			.17			.20			.24		
		NC	21			25			27			30			32			34			36			37			39			40		
	Throw	6	9	17	8	12	20	10	14	22	11	17	24	13	18	25	15	19	27	16	20	28	17	21	30	18	22	31	19	23	32	
	60"	CFM	125			170			215			260			305			345			390			435			480			525		
P <sub>s</sub>		.01			.01			.02			.02			.03			.04			.05			.06			.08			.09			
P <sub>T</sub>		.02			.02			.04			.06			.08			.10			.13			.16			.19			.23			
NC		19			24			27			30			32			34			36			38			39			41			
Throw	5	7	15	7	10	19	9	13	22	10	16	24	12	18	26	14	19	27	16	21	29	17	22	31	19	23	32	20	24	34		

10" Ø INLET	24"	CFM	140			160			185			205			230			250			275			295			320			340		
		P <sub>s</sub>	.04			.05			.07			.09			.11			.13			.15			.18			.21			.24		
		P <sub>T</sub>	.04			.06			.08			.10			.12			.14			.17			.20			.23			.26		
		NC	20			24			27			30			31			33			35			37			39			41		
	Throw	9	12	17	10	13	19	12	14	20	12	15	21	13	16	22	13	17	23	14	17	24	15	18	25	15	19	26	16	19	27	
	36"	CFM	180			210			245			275			305			340			370			400			435			465		
		P <sub>s</sub>	.03			.04			.05			.07			.09			.10			.12			.15			.17			.20		
		P <sub>T</sub>	.04			.05			.07			.08			.11			.13			.15			.18			.21			.24		
		NC	21			24			26			29			31			33			36			38			40			41		
	Throw	9	14	20	11	15	21	13	16	23	14	17	24	15	18	26	16	19	27	16	20	28	17	21	30	18	22	31	18	23	32	
	48"	CFM	200			240			285			325			370			410			455			495			540			580		
		P <sub>s</sub>	.02			.03			.04			.05			.07			.09			.11			.13			.15			.17		
		P <sub>T</sub>	.03			.04			.06			.08			.10			.12			.15			.18			.21			.24		
		NC	21			24			27			29			32			34			36			38			39			41		
	Throw	9	13	21	11	16	23	13	18	25	14	19	27	16	20	28	17	21	30	18	22	31	19	23	33	20	24	34	21	25	36	
	60"	CFM	200			255			305			360			410			465			515			570			620			675		
P <sub>s</sub>		.01			.02			.03			.04			.06			.07			.09			.11			.13			.15			
P <sub>T</sub>		.02			.03			.05			.07			.09			.12			.14			.17			.21			.25			
NC		20			24			27			30			32			34			36			38			40			41			
Throw	8	12	21	10	15	24	12	18	26	14	20	28	16	21	30	18	23	32	19	24	33	20	25	35	21	26	37	22	27	38		

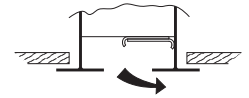
For performance data notes see page FF-11

FF-200 (2" SLOT) - 2 SLOTS - HORIZONTAL PATTERN - (ATTACHED JET)



Inlet Size	Diffuser Height	Metric	8" Ø INLET																												
			CFM	140	180	215	255	290	330	365	405	440	480																		
8" Ø INLET	24"	CFM	140	180	215	255	290	330	365	405	440	480																			
		P <sub>s</sub>	.01	.02	.02	.03	.04	.06	.07	.08	.10	.12																			
		P <sub>T</sub>	.02	.03	.05	.07	.09	.11	.14	.17	.20	.24																			
		NC	21	25	27	30	32	34	36	37	39	40																			
	Throw	4	7	17	11	14	20	12	15	22	14	17	24	15	18	25	15	19	27	16	20	28	17	21	30	18	22	31	19	23	32
	36"	CFM	150	195	235	280	325	365	410	455	495	540																			
		P <sub>s</sub>	.01	.01	.01	.02	.02	.03	.04	.05	.06	.07																			
		P <sub>T</sub>	.02	.03	.04	.06	.08	.10	.12	.15	.18	.22																			
		NC	22	26	29	31	33	35	37	38	40	41																			
	Throw	5	8	16	7	11	21	9	13	23	10	15	25	12	18	27	13	20	28	15	21	30	17	22	31	18	23	33	20	24	34
	48"	CFM	135	180	220	265	305	350	390	435	475	520																			
		P <sub>s</sub>	.01	.01	.01	.01	.01	.02	.02	.02	.03	.03																			
P <sub>T</sub>		.02	.03	.03	.05	.06	.08	.10	.12	.14	.17																				
NC		20	25	28	30	32	34	36	37	39	40																				
Throw	3	6	13	5	9	17	7	10	21	8	13	24	10	14	26	11	17	28	12	18	29	14	21	31	15	22	32	16	24	34	
60"	CFM	150	195	240	285	330	370	415	460	505	550																				
	P <sub>s</sub>	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02																				
	P <sub>T</sub>	.02	.03	.04	.05	.07	.08	.10	.13	.15	.18																				
	NC	22	26	29	31	33	35	37	38	40	41																				
Throw	3	6	13	4	8	16	7	10	20	8	12	24	9	14	27	10	16	28	12	18	30	13	19	32	14	21	33	15	23	35	
10" Ø INLET	24"	CFM	200	240	285	325	370	410	455	495	540	580																			
		P <sub>s</sub>	.02	.03	.04	.05	.07	.09	.11	.13	.15	.17																			
		P <sub>T</sub>	.03	.04	.06	.08	.10	.12	.15	.18	.21	.24																			
		NC	21	24	27	29	32	34	36	38	39	41																			
	Throw	6	9	21	13	16	23	14	18	25	15	19	27	16	20	28	17	21	30	18	22	31	19	23	33	20	24	34	21	25	36
	36"	CFM	210	265	325	380	435	495	550	605	665	720																			
		P <sub>s</sub>	.01	.02	.02	.03	.04	.06	.07	.08	.10	.12																			
		P <sub>T</sub>	.02	.03	.05	.06	.08	.11	.13	.16	.19	.23																			
		NC	21	24	27	30	32	34	36	38	39	41																			
	Throw	8	11	21	10	14	24	12	18	27	14	20	29	16	22	31	18	23	33	20	24	35	21	26	36	22	27	38	23	28	40
	48"	CFM	200	265	335	400	465	535	600	665	735	800																			
		P <sub>s</sub>	.01	.01	.01	.02	.03	.04	.05	.06	.07	.08																			
P <sub>T</sub>		.02	.02	.04	.05	.07	.10	.12	.15	.18	.22																				
NC		20	24	27	30	32	34	36	38	39	41																				
Throw	6	9	19	8	13	24	11	16	27	13	19	30	15	22	32	17	24	34	19	26	36	21	27	38	23	28	40	24	30	42	
60"	CFM	200	270	345	415	490	560	635	705	780	850																				
	P <sub>s</sub>	.01	.01	.01	.01	.02	.03	.03	.04	.05	.06																				
	P <sub>T</sub>	.02	.03	.03	.05	.07	.09	.12	.15	.18	.21																				
	NC	20	24	28	30	33	35	37	38	40	41																				
Throw	5	8	17	8	11	23	10	15	27	12	18	30	14	21	33	16	24	35	18	26	37	20	28	39	22	29	41	24	30	43	
12" Ø INLET	24"	CFM	260	300	335	375	410	450	485	525	560	600																			
		P <sub>s</sub>	.03	.05	.06	.07	.09	.10	.12	.14	.16	.18																			
		P <sub>T</sub>	.04	.05	.07	.09	.10	.12	.15	.17	.19	.22																			
		NC	22	26	27	30	32	35	37	38	39	41																			
	Throw	8	17	24	15	18	26	16	19	27	17	20	29	17	21	30	18	22	31	19	23	33	20	24	34	20	25	35	21	26	36
	36"	CFM	270	330	390	450	510	570	630	690	750	810																			
		P <sub>s</sub>	.02	.02	.03	.05	.06	.07	.09	.11	.13	.15																			
		P <sub>T</sub>	.02	.04	.05	.07	.09	.11	.13	.16	.19	.22																			
		NC	20	23	26	29	32	33	36	38	39	41																			
	Throw	10	15	24	12	18	27	14	21	29	16	22	31	19	24	33	20	25	35	21	26	37	22	27	39	23	29	40	24	30	42
	48"	CFM	280	355	430	505	580	660	735	810	885	960																			
		P <sub>s</sub>	.01	.02	.02	.03	.04	.06	.07	.08	.10	.12																			
P <sub>T</sub>		.02	.03	.04	.06	.08	.10	.12	.15	.18	.21																				
NC		20	23	26	29	31	34	36	37	39	41																				
Throw	9	13	25	11	17	28	14	20	31	16	23	33	18	25	36	21	27	38	23	28	40	24	30	42	25	31	44	26	32	46	
60"	CFM	300	390	480	565	655	745	835	920	1010	1100																				
	P <sub>s</sub>	.01	.01	.02	.03	.04	.05	.06	.07	.08	.10																				
	P <sub>T</sub>	.02	.03	.04	.06	.08	.10	.13	.16	.19	.22																				
	NC	20	24	27	30	32	34	36	38	40	41																				
Throw	8	13	25	11	16	29	14	20	32	16	24	35	18	27	38	21	28	40	24	30	43	26	32	45	27	33	47	28	35	49	

For performance data notes see page FF-11



FF-250 (2-1/2" SLOT) - 1 SLOT - HORIZONTAL PATTERN - (ATTACHED JET)

Architectural Diffusers

A

8" Ø INLET	24"	CFM	130			160			190			220			250			280			310			340			370			400		
		P <sub>s</sub>	.03			.04			.06			.08			.10			.12			.15			.18			.22			.25		
		P <sub>T</sub>	.04			.05			.08			.10			.13			.16			.20			.24			.29			.33		
		NC	20			24			27			29			31			34			36			37			39			41		
	Throw	9	12	16	10	13	18	11	14	20	12	15	21	13	16	23	14	17	24	15	18	25	15	19	26	16	19	28	17	20	29	
	36"	CFM	135			175			210			250			290			325			365			405			440			480		
		P <sub>s</sub>	.01			.02			.03			.04			.06			.07			.09			.11			.14			.16		
		P <sub>T</sub>	.02			.04			.05			.08			.10			.13			.16			.20			.24			.28		
		NC	21			24			27			30			32			34			36			37			39			40		
	Throw	8	11	17	10	13	19	12	15	21	13	16	23	14	17	24	15	18	26	16	19	27	17	20	29	17	21	30	18	22	31	
	48"	CFM	140			185			230			275			320			360			405			450			495			540		
		P <sub>s</sub>	.01			.01			.02			.03			.04			.05			.07			.08			.10			.12		
		P <sub>T</sub>	.02			.03			.05			.07			.09			.12			.15			.18			.22			.26		
		NC	21			25			28			31			33			35			37			38			40			41		
	Throw	7	10	17	9	14	19	11	15	22	13	17	24	15	18	26	16	19	27	17	20	29	18	21	30	18	23	32	19	24	33	
	60"	CFM	150			195			240			285			330			370			415			460			505			550		
P <sub>s</sub>		.01			.01			.01			.02			.03			.04			.04			.05			.06			.08			
P <sub>T</sub>		.02			.03			.04			.06			.08			.11			.13			.16			.20			.23			
NC		22			26			29			31			33			35			37			38			40			41			
Throw	7	10	18	9	13	20	11	16	22	12	17	24	14	18	26	16	19	28	17	21	29	18	22	31	19	23	32	19	24	34		

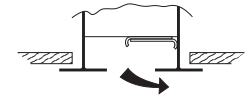
10" Ø INLET	24"	CFM	170			200			230			260			290			320			350			380			410			440		
		P <sub>s</sub>	.05			.06			.08			.11			.13			.16			.19			.23			.27			.31		
		P <sub>T</sub>	.05			.07			.09			.12			.15			.18			.22			.26			.30			.35		
		NC	21			24			27			29			32			35			37			39			40			41		
	Throw	11	13	19	12	14	20	13	15	22	13	16	23	14	17	24	15	18	26	15	19	27	16	20	28	17	20	29	17	21	30	
	36"	CFM	195			235			280			320			360			405			445			485			530			570		
		P <sub>s</sub>	.03			.04			.05			.07			.09			.11			.14			.17			.20			.23		
		P <sub>T</sub>	.03			.05			.07			.09			.12			.15			.18			.22			.26			.30		
		NC	20			23			26			29			31			33			35			38			39			41		
	Throw	11	14	20	13	16	22	14	17	24	15	18	26	16	19	27	17	20	29	17	21	30	18	22	32	19	23	33	20	24	34	
	48"	CFM	200			255			305			360			415			465			520			575			625			680		
		P <sub>s</sub>	.02			.03			.04			.05			.07			.09			.11			.13			.16			.18		
		P <sub>T</sub>	.02			.04			.06			.08			.10			.13			.16			.20			.24			.28		
		NC	20			24			27			29			32			34			35			37			39			41		
	Throw	10	14	20	12	16	23	14	18	25	16	19	27	17	21	29	18	22	31	19	23	33	20	24	34	21	25	36	22	26	37	
	60"	CFM	200			260			320			385			445			505			565			630			690			750		
P <sub>s</sub>		.01			.02			.03			.04			.05			.06			.08			.10			.12			.14			
P <sub>T</sub>		.02			.03			.05			.07			.09			.12			.15			.18			.22			.26			
NC		20			24			27			30			32			34			36			38			39			41			
Throw	9	13	20	11	16	23	14	18	26	16	20	28	17	21	30	19	23	32	20	24	34	21	25	36	22	27	38	23	28	39		

12" Ø INLET	24"	CFM	180			210			240			265			295			325			355			380			410			440		
		P <sub>s</sub>	.05			.07			.09			.11			.14			.17			.20			.23			.27			.31		
		P <sub>T</sub>	.05			.07			.10			.12			.15			.18			.21			.25			.28			.33		
		NC	20			24			27			29			32			34			36			38			40			41		
	Throw	11	14	19	12	15	21	13	16	22	13	16	23	14	17	25	15	18	26	16	19	27	16	20	28	17	20	29	17	21	30	
	36"	CFM	225			265			310			350			390			435			475			515			560			600		
		P <sub>s</sub>	.04			.05			.07			.09			.11			.13			.16			.19			.22			.25		
		P <sub>T</sub>	.04			.06			.08			.10			.12			.15			.18			.21			.25			.29		
		NC	20			23			26			29			31			34			36			38			39			41		
	Throw	12	15	21	13	16	23	15	18	25	15	19	27	16	20	28	17	21	30	18	22	31	19	23	32	20	24	34	20	25	35	
	48"	CFM	280			330			380			435			485			535			585			640			690			740		
		P <sub>s</sub>	.03			.04			.06			.07			.09			.11			.14			.16			.19			.22		
		P <sub>T</sub>	.04			.05			.07			.09			.12			.14			.17			.20			.24			.27		
		NC	21			24			27			29			32			34			35			37			39			41		
	Throw	14	17	24	15	18	26	16	20	28	17	21	30	18	22	32	19	23	33	20	24	35	21	26	36	22	27	38	22	28	39	
	60"	CFM	300			360			420			485			545			605			665			730			790			850		
P <sub>s</sub>		.02			.03			.05			.06			.07			.09			.11			.13			.16			.18			
P <sub>T</sub>		.03			.05			.06			.08			.11			.13			.16			.19			.22			.26			
NC		21			24			27			29			31			34			35			37			39			41			
Throw	13	18	25	16	19	27	17	21	29	18	22	32	19	24	33	20	25	35	21	26	37	22	27	39	23	28	40	24	30	42		

For performance data notes see page FF-11



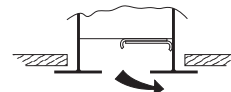
FF-300 (3" SLOT) - 1 SLOT - HORIZONTAL PATTERN - (ATTACHED JET)



Inlet Size	Diffuser Size	Metric	CFM												Throw																								
			130	160	195	225	260	290	325	355	390	420	8	12	16	10	13	18	12	14	20	12	15	21	13	16	23	14	17	24	15	18	26	16	19	27	16	20	28
8" Ø INLET	24"	CFM	130	160	195	225	260	290	325	355	390	420																											
		P <sub>s</sub>	.03	.05	.07	.10	.13	.16	.20	.24	.28	.33																											
		P <sub>T</sub>	.04	.06	.09	.12	.16	.20	.25	.30	.36	.42																											
		NC	20	23	26	29	31	33	35	37	39	40																											
	36"	CFM	135	175	220	260	300	345	385	425	470	510																											
		P <sub>s</sub>	.02	.03	.04	.06	.08	.10	.12	.15	.18	.22																											
		P <sub>T</sub>	.02	.04	.06	.09	.12	.16	.20	.24	.30	.35																											
		NC	20	24	28	30	32	34	36	38	39	41																											
	48"	CFM	140	185	235	280	325	375	420	465	515	560																											
		P <sub>s</sub>	.01	.02	.03	.04	.05	.07	.08	.10	.12	.15																											
		P <sub>T</sub>	.02	.03	.05	.08	.10	.14	.17	.21	.26	.31																											
		NC	21	25	28	31	33	35	37	38	40	41																											
60"	CFM	125	170	220	265	315	360	410	455	505	550																												
	P <sub>s</sub>	.01	.01	.01	.02	.03	.04	.05	.06	.08	.09																												
	P <sub>T</sub>	.02	.02	.04	.06	.08	.11	.14	.17	.21	.25																												
	NC	19	24	27	30	33	35	37	38	40	41																												
10" Ø INLET	24"	CFM	190	220	245	275	300	330	355	385	410	440																											
		P <sub>s</sub>	.07	.09	.11	.14	.17	.20	.24	.28	.32	.36																											
		P <sub>T</sub>	.08	.10	.13	.16	.19	.22	.26	.31	.35	.40																											
		NC	21	23	26	28	31	32	35	37	39	41																											
	36"	CFM	195	240	285	330	375	420	465	510	555	600																											
		P <sub>s</sub>	.03	.05	.07	.09	.12	.15	.18	.22	.26	.30																											
		P <sub>T</sub>	.04	.06	.08	.11	.15	.18	.22	.27	.32	.37																											
		NC	20	23	25	28	30	32	34	37	39	41																											
	48"	CFM	220	275	330	385	440	500	555	610	665	720																											
		P <sub>s</sub>	.02	.04	.05	.07	.09	.12	.14	.17	.21	.24																											
		P <sub>T</sub>	.03	.05	.07	.10	.13	.17	.21	.25	.30	.35																											
		NC	21	24	27	30	32	34	36	37	39	41																											
60"	CFM	225	290	355	415	480	545	610	670	735	800																												
	P <sub>s</sub>	.02	.02	.04	.05	.07	.09	.11	.14	.16	.19																												
	P <sub>T</sub>	.03	.04	.06	.09	.12	.15	.19	.23	.28	.33																												
	NC	21	25	28	30	33	34	36	38	39	41																												
12" Ø INLET	24"	CFM	220	245	275	300	325	355	380	405	435	460																											
		P <sub>s</sub>	.09	.11	.14	.17	.20	.23	.27	.31	.35	.40																											
		P <sub>T</sub>	.10	.12	.15	.18	.21	.25	.28	.33	.37	.42																											
		NC	21	24	27	30	31	33	36	37	39	41																											
	36"	CFM	270	310	350	390	430	470	510	550	590	630																											
		P <sub>s</sub>	.06	.08	.10	.13	.15	.18	.22	.25	.29	.33																											
		P <sub>T</sub>	.07	.09	.11	.14	.17	.21	.24	.28	.32	.37																											
		NC	21	23	26	28	31	33	35	37	39	41																											
	48"	CFM	280	340	395	455	510	570	625	685	740	800																											
		P <sub>s</sub>	.04	.05	.07	.10	.12	.15	.18	.22	.26	.30																											
		P <sub>T</sub>	.04	.06	.09	.12	.15	.18	.22	.27	.31	.36																											
		NC	20	23	26	28	30	33	35	38	39	41																											
60"	CFM	300	370	440	510	580	645	715	785	855	925																												
	P <sub>s</sub>	.03	.04	.06	.08	.10	.13	.15	.18	.22	.26																												
	P <sub>T</sub>	.04	.05	.08	.10	.13	.17	.21	.25	.29	.34																												
	NC	20	24	26	29	31	33	35	37	39	41																												

For performance data notes see page FF-11

FF-300 (3" SLOT) - 2 SLOTS - HORIZONTAL PATTERN - (ATTACHED JET)



Architectural Diffusers

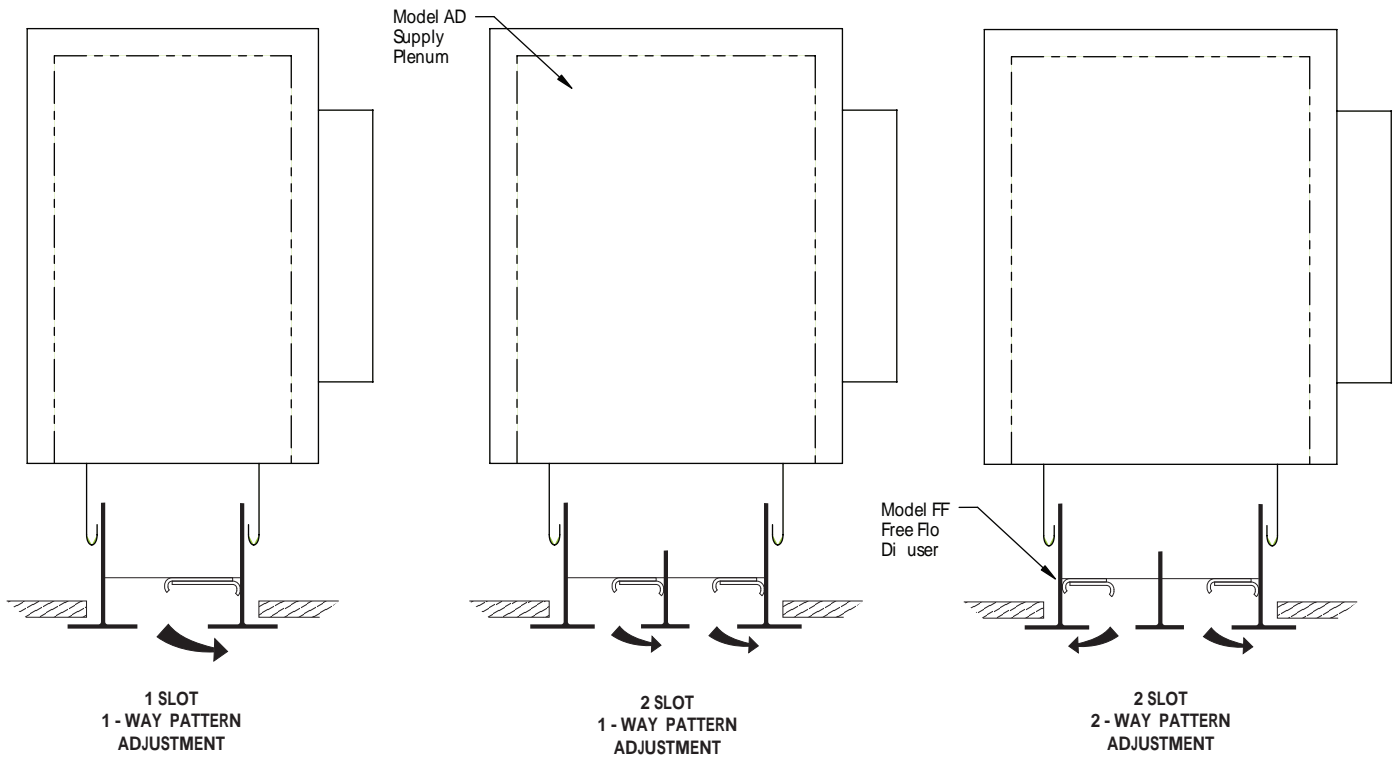
A

10" Ø INLET	24"	CFM	220	275	330	385	440	500	555	610	665	720																			
		P <sub>s</sub>	.02	.04	.05	.07	.09	.12	.14	.17	.21	.24																			
		P <sub>T</sub>	.03	.05	.07	.10	.13	.17	.21	.25	.30	.35																			
		NC	21	24	27	30	32	34	36	37	39	41																			
	Throw	7	10	21	14	17	24	15	18	26	16	20	28	17	21	30	18	23	32	19	24	34	20	25	35	21	26	37	22	27	38
	36"	CFM	210	280	350	420	490	560	630	700	770	840																			
		P <sub>s</sub>	.01	.02	.03	.04	.05	.07	.08	.10	.12	.15																			
		P <sub>T</sub>	.02	.03	.05	.07	.10	.13	.17	.20	.25	.29																			
		NC	20	25	28	30	33	35	36	38	40	41																			
	Throw	8	11	21	10	15	24	13	19	27	15	21	29	18	22	32	20	24	34	21	25	36	22	27	38	23	28	40	24	29	41
	48"	CFM	200	275	350	425	500	580	655	730	805	880																			
		P <sub>s</sub>	.01	.01	.01	.02	.03	.04	.05	.06	.08	.09																			
P <sub>T</sub>		.02	.03	.04	.06	.08	.11	.14	.17	.21	.25																				
NC		20	24	28	31	33	35	37	38	40	41																				
Throw	6	9	19	9	13	24	11	17	27	13	20	30	16	23	32	18	24	34	21	26	37	22	27	39	23	29	41	25	30	42	
60"	CFM	200	280	355	435	510	590	665	745	820	900																				
	P <sub>s</sub>	.01	.01	.01	.01	.02	.03	.03	.04	.05	.06																				
	P <sub>T</sub>	.02	.03	.04	.05	.07	.10	.13	.16	.19	.23																				
	NC	20	25	28	31	33	35	37	39	40	41																				
Throw	5	8	17	8	12	24	10	15	27	12	18	30	14	22	32	17	25	35	19	26	37	21	28	39	23	29	41	25	30	43	

12" Ø INLET	24"	CFM	280	340	395	455	510	570	625	685	740	800																			
		P <sub>s</sub>	.04	.05	.07	.10	.12	.15	.18	.22	.26	.30																			
		P <sub>T</sub>	.04	.06	.09	.12	.15	.18	.22	.27	.31	.36																			
		NC	20	23	26	28	30	33	35	38	39	41																			
	Throw	9	17	24	15	19	26	16	20	28	18	22	31	19	23	32	20	24	34	21	25	36	22	26	37	22	28	39	23	29	40
	36"	CFM	300	385	465	550	635	715	800	885	965	1050																			
		P <sub>s</sub>	.02	.03	.05	.06	.08	.11	.13	.16	.19	.23																			
		P <sub>T</sub>	.03	.05	.07	.09	.12	.16	.20	.24	.29	.34																			
		NC	20	24	27	29	32	34	36	38	40	41																			
	Throw	11	16	25	14	20	28	17	22	31	19	24	34	21	25	36	22	27	38	23	29	40	25	30	43	26	31	44	27	33	46
	48"	CFM	320	420	515	615	710	810	905	1005	1100	1200																			
		P <sub>s</sub>	.01	.02	.03	.04	.06	.08	.10	.12	.14	.17																			
P <sub>T</sub>		.02	.04	.06	.08	.11	.14	.18	.22	.26	.31																				
NC		21	25	28	31	33	35	37	38	40	41																				
Throw	10	15	26	13	20	29	16	23	32	19	25	35	22	27	38	24	29	41	25	30	43	26	32	45	27	34	47	29	35	50	
60"	CFM	300	400	500	600	700	800	900	1000	1100	1200																				
	P <sub>s</sub>	.01	.01	.02	.03	.04	.05	.06	.07	.09	.11																				
	P <sub>T</sub>	.02	.03	.04	.06	.09	.11	.14	.18	.21	.25																				
	NC	20	24	28	30	33	35	36	38	39	41																				
Throw	8	13	25	11	17	29	14	21	32	17	25	35	20	27	38	23	29	40	25	30	43	26	32	45	27	34	47	29	35	50	

14" Ø INLET	24"	CFM	340	395	450	505	560	620	675	730	785	840																			
		P <sub>s</sub>	.05	.07	.10	.12	.15	.18	.21	.25	.29	.33																			
		P <sub>T</sub>	.06	.08	.11	.13	.16	.20	.24	.28	.32	.37																			
		NC	20	23	25	29	31	34	36	38	39	41																			
	Throw	11	19	26	16	20	28	18	21	30	19	23	32	20	24	34	21	25	36	21	26	37	22	27	39	23	28	40	24	29	41
	36"	CFM	390	475	555	640	725	805	890	975	1055	1140																			
		P <sub>s</sub>	.03	.05	.06	.09	.11	.14	.16	.20	.23	.27																			
		P <sub>T</sub>	.04	.06	.08	.11	.14	.17	.21	.25	.29	.34																			
		NC	20	23	26	29	31	33	35	38	39	41																			
	Throw	14	20	28	17	22	31	19	24	34	21	26	36	22	27	39	23	29	41	25	30	43	26	32	45	27	33	46	28	34	48
	48"	CFM	400	505	615	720	825	935	1040	1145	1255	1360																			
		P <sub>s</sub>	.02	.03	.04	.06	.08	.10	.13	.15	.18	.22																			
P <sub>T</sub>		.03	.04	.06	.09	.12	.15	.19	.23	.27	.32																				
NC		20	24	26	29	31	33	36	37	39	41																				
Throw	13	19	29	16	23	32	19	25	35	22	27	38	24	29	41	25	31	44	27	33	46	28	34	48	29	36	51	30	37	53	
60"	CFM	400	520	645	765	890	1010	1135	1255	1380	1500																				
	P <sub>s</sub>	.01	.02	.03	.04	.06	.08	.10	.12	.14	.17																				
	P <sub>T</sub>	.02	.04	.05	.08	.10	.13	.17	.20	.25	.29																				
	NC	20	24	27	30	32	34	36	38	39	41																				
Throw	11	17	29	15	22	33	18	26	36	22	28	40	25	30	43	26	32	45	28	34	48	29	36	51	31	38	53	32	39	55	

For performance data notes see page FF-11



**Test Standard**

- Data determined in accordance with ANSI / ASHRAE standard 70 "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- Data based on Free Flo linear slot diffuser with Anemostat Model AD insulated supply air plenum attached as a complete assembly.
- Plenums fabricated by others may result in different performance than that shown in these data tables.
- NC is noise criteria curve that will not be exceeded at the operating point. 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

**Pressures, inches of water**

- $P_s$  Static Pressure
- $P_t$  Total Pressure

**Throw (Horizontal Pattern)**

- The numbers shown in tables 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 a surface. The throw distances shown are for ONE-WAY direction.
- For two way applications, the throw in each direction is determined by dividing the TOTAL CFM for the diffuser in half and finding the throw for one-slot unit at that CFM.
- For installation with a free, unattached jet, multiply throw value by .70

**Plenum Sizing Notes :**

- Model AD plenums are available with inlet sizes other than shown in the data. See Table 1.
- Plenums can be manufactured without an inlet for field locating and installation.
- Plenums can be manufactured in longer lengths with (2) supply air inlets.
- Plenums are available in any length up to 72" Long.
- Maximum recommended neck velocity for plenums 750 - 800 fpm.

**Table 1: Plenum Inlet Sizes**

Inlet Size	Area, ft <sup>2</sup>
04" Ø	.088
05" Ø	.136
06" Ø	.196
07" Oval	.250
07" Ø	.267
08" Oval	.320
08" Ø	.349
09" Oval	.380
09" Ø	.442
10" Oval	.450
10" Ø	.545
12" Oval	.580
12" Ø	.785
14" Ø	1.069
16" Ø	1.396