

FF-100 (1" SLOT)

HORIZONTAL PATTERN	CFM per Foot	1 SLOT					2 SLOT					VERTICAL PROJECTION	CFM per Foot	1 SLOT					2 SLOT			
		Ps	NC	THROW			Ps	NC	THROW					Ps	NC	PROJ		Ps	NC	PROJ		
				H	C	H			C	H	C											
																H	C			H	C	
20	.01	-	3	8	16							.02	-	8	13							
25	.02	-	5	10	18							.03	-	9	15							
30	.03	-	7	12	20							.04	-	10	16							
35	.04	16	10	14	21	.01	-	4	10	21		.07	19	12	19	.02	-	12	19			
40	.05	19	12	16	23	.01	-	5	12	23		.11	24	13	21	.03	-	13	21			
50	.07	25	14	19	26	.02	-	7	14	26		.15	28	14	23	.04	15	14	23			
60	.10	29	18	22	28	.03	15	11	17	28		.20	32	16	25	.05	19	16	25			
70	.13	33	19	24	31	.04	19	14	20	31		.26	35	17	27	.07	22	17	27			
80	.17	36	20	25	33	.05	22	17	23	33		.33	38	18	28	.09	25	18	28			
90	.22	39	22	27	35	.06	25	19	25	35						.11	27	19	30			
100						.07	28	21	27	37						.15	31	21	33			
120						.10	32	26	31	40						.20	35	23	36			
140						.14	36	27	33	43						.26	38	24	38			
180						.22	42	32	38	49												

FF-150 (1-1/2" SLOT)

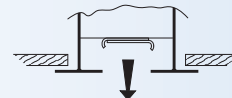
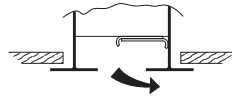
HORIZONTAL PATTERN	CFM per Foot	1 SLOT					2 SLOT					VERTICAL PROJECTION	CFM per Foot	1 SLOT					2 SLOT			
		Ps	NC	THROW			Ps	NC	THROW					Ps	NC	PROJ		Ps	NC	PROJ		
				H	C	H			C	H	C											
																H	C			H	C	
20	.01	-	4	9	17							.01	-	8	14							
40	.02	-	7	12	20							.04	-	11	18							
50	.04	-	11	15	22	.01	-	4	11	23		.06	-	13	20	.01	-	11	18			
60	.05	19	13	18	25	.01	-	5	12	25		.08	-	14	22	.02	-	14	22			
70	.07	24	15	20	27	.02	-	7	14	27		.11	20	15	24	.03	-	15	24			
80	.09	28	18	22	28	.02	-	10	17	28		.14	26	16	26	.04	-	16	26			
90	.11	32	19	23	30	.03	-	12	19	30		.19	31	17	28	.05	-	17	28			
100	.14	35	20	25	32	.04	16	15	21	32		.23	36	18	29	.06	-	18	29			
120	.20	41	22	27	35	.05	22	19	25	35						.08	16	20	32			
140						.07	27	21	27	38						.11	23	22	35			
160						.09	31	25	31	40						.14	29	23	37			
180						.11	35	27	33	43						.19	34	24	39			
200						.14	38	28	34	45						.23	39	26	41			
240																						

FF-200 (2" SLOT)

HORIZONTAL PATTERN	CFM per Foot	1 SLOT					2 SLOT					VERTICAL PROJECTION	CFM per Foot	1 SLOT					2 SLOT			
		Ps	NC	THROW			Ps	NC	THROW					Ps	NC	PROJ		Ps	NC	PROJ		
				H	C	H			C	H	C											
																H	C			H	C	
40	.02	-	7	12	20	-	-	7	10	14		.02	-	12	19							
50	.02	-	11	15	22	-	-	11	14	17		.03	-	13	21							
60	.03	18	13	18	25	-	-	12	15	19		.04	17	14	23							
70	.04	22	15	20	27	.01	-	14	17	20		.05	21	16	25							
80	.06	25	18	22	28	.02	-	15	18	22		.07	24	17	27	.02	-	17	27			
90	.08	28	19	23	30	.02	15	17	20	23		.09	27	18	28	.02	-	18	28			
100	.09	31	20	25	32	.02	18	18	21	24		.11	29	19	30	.03	16	19	30			
120	.12	35	22	27	35	.03	22	21	24	29		.15	33	21	33	.04	20	21	33			
140	.14	39	25	30	37	.04	25	23	27	32		.20	37	23	36	.05	24	23	36			
160						.06	29	26	30	35		.26	40	24	38	.07	27	24	38			
180						.07	32	27	31	37						.09	30	25	40			
200						.09	34	28	32	38						.11	32	27	43			
220						.11	36	29	33	39						.13	34	28	45			
240						.13	38	30	34	40						.15	36	30	48			
260						.15	40	32	36	42						.17	38	33	52			
280						.18	42	35	39	44												

For performance data notes see page A-7.

FF-250 (2-1/2" SLOT)



HORIZONTAL PATTERN	CFM per Foot	1 SLOT					2 SLOT					VERTICAL PROJECTION	CFM per Foot	1 SLOT					2 SLOT			
		Ps	NC	THROW			Ps	NC	THROW					Ps	NC	PROJ		Ps	NC	PROJ		
				H	C	H			C	H	C											
																H	C			H	C	
50	.02	-	10	14	20							50	.02	-	11	18						
60	.02	-	12	17	24							60	.03	-	14	22						
70	.03	17	14	19	26							70	.03	17	15	24						
80	.04	20	17	21	27							80	.04	20	16	26						
90	.05	23	18	22	29	.01	-	15	18	22		90	.05	23	17	28	.01	10	17	27		
100	.06	26	19	24	31	.02	-	17	20	23		100	.06	26	18	29	.02	12	18	28		
120	.09	30	21	26	34	.02	17	20	23	28		120	.09	30	20	32	.02	16	19	30		
140	.12	34	23	28	36	.03	20	22	25	30		140	.12	34	22	35	.03	20	21	33		
160	.15	37	25	29	36	.03	24	25	28	33		160	.15	37	23	37	.03	23	23	36		
180	.19	40	26	30	37	.04	26	26	30	36		180	.19	40	24	39	.04	26	24	38		
200	.22	42	27	31	38	.06	29	28	32	38		200	.22	42	26	41	.06	29	25	40		
220						.07	32	29	33	39		220					.07	32	27	43		
240						.09	34	30	34	40		240					.09	34	28	45		
260						.11	36	32	36	42		260					.11	36	29	46		
280						.12	37	34	38	43		280					.12	38	31	52		

FF-300 (3" SLOT)

HORIZONTAL PATTERN	CFM per Foot	1 SLOT					2 SLOT					VERTICAL PROJECTION	CFM per Foot	1 SLOT					2 SLOT			
		Ps	NC	THROW			Ps	NC	THROW					Ps	NC	PROJ		Ps	NC	PROJ		
				H	C	H			C	H	C											
																H	C			H	C	
40	.01	-	6	11	18							40	.01	-	8	16						
50	.02	-	9	13	20							50	.02	-	10	18						
60	.02	-	11	15	22							60	.02	-	12	20						
70	.03	-	13	17	24							70	.03	-	14	22						
80	.04	-	14	19	26							80	.04	-	15	24						
90	.05	17	15	20	27							90	.05	17	16	25						
100	.06	20	17	22	29							100	.06	20	18	27						
120	.09	25	20	24	30							120	.09	25	19	29						
140	.13	30	22	27	34	.01	16	11	16	24		140	.13	30	21	32	.01	16	15	29		
160	.17	34	25	30	37	.02	19	14	19	27		160	.17	34	23	35	.02	19	16	31		
180	.22	37	26	31	39	.02	23	17	22	29		180	.22	37	24	37	.02	23	17	32		
200	.26	40	28	33	41	.03	26	19	24	31		200	.23	40	26	39	.03	27	18	34		
220						.04	29	20	25	32		220					.04	29	18	35		
240						.05	32	21	26	34		240					.05	32	19	37		
260						.07	35	23	28	36		260					.07	35	19	39		
280						.08	38	25	30	37		280					.08	38	20	40		
300						.10	45	27	32	39		300					.10	42	21	43		

Test Standard

- ANSI / ASHRAE standard 70

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

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 Diffuser Length is:	2'	4'	6'	8'	10'+
Multiply Throw Dist by:	.45	.65	.80	.90	1.00

- 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

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. H based on a heating differential of 20° F. C based on a cooling differential of 20° F. For other active lengths, use the following projection adjustment factors:

If Diffuser Length is:	2'	4'	6'	8'	10'+
Multiply Proj Dist by:	.70	1.00	1.20	1.40	1.50

- Terminal velocity is the air speed, in feet per minute, measured in the supply air stream.

Pressure

- P_s represents Static Pressure, inches of water