

MODEL F SLOT DIFFUSER PERFORMANCE DATA

SUPPLY

MODEL	INLET	48" LONG							
		CFM	50	75	100	125	150	175	200
F-11 1 SLOT 1 WAY	8" Oval	Ps	0.01	0.03	0.05	0.08	0.11	0.15	0.20
		NC	<20	<20	<20	<20	24	29	32
		THROW	10	14	16	18	19	20	21
		CFM	100	150	200	250	300	350	400
F-21 2 SLOT 1 WAY	8" Oval	Ps	0.01	0.03	0.05	0.08	0.12	0.17	0.22
		NC	<20	<20	<20	<20	24	28	32
		THROW	12	16	19	22	24	26	27
		CFM	100	150	200	250	300	350	400
F-22 2 SLOT 2 WAY	8" Oval	Ps	0.01	0.02	0.04	0.06	0.09	0.12	0.16
		NC	<20	<20	<20	<20	25	29	33
		THROW	10	13	16	18	19	21	22
		CFM	100	150	200	250	300	350	400
F-31 3 SLOT 1 WAY	10" Oval	Ps	0.01	0.03	0.05	0.08	0.11	0.15	0.19
		NC	<20	<20	<20	23	28	33	37
		THROW	15	21	25	28	30	33	34
		CFM	150	225	300	375	450	525	600
F-32 3 SLOT 2 WAY	10" Oval	Ps	0.01	0.02	0.04	0.06	0.09	0.12	0.16
		NC	<20	<20	<20	24	29	34	38
		THROW-2S	12	16	19	22	24	26	27
		THROW-1S	10	14	16	18	19	20	21
		CFM	150	225	300	375	450	525	600
F-41 4 SLOT 1 WAY	10" Oval	Ps	0.01	0.02	0.04	0.07	0.09	0.13	0.17
		NC	<20	<20	<20	26	32	37	41
		THROW	24	29	33	35	37	39	41
		CFM	200	300	400	500	600	700	800
F-42 4 SLOT 2 WAY	10" Oval	Ps	0.01	0.03	0.05	0.07	0.11	0.14	0.19
		NC	<20	<20	20	27	33	38	42
		THROW	12	16	19	22	24	26	27
		CFM	200	300	400	500	600	700	800

RETURN

MODEL	48" LONG							
	CFM	50	75	100	125	150	175	200
FR-1 1 SLOT	-Ps	0.01	0.03	0.05	0.07	0.10	0.14	0.18
	CFM	100	150	200	250	300	350	400
FR-2 2 SLOT	-Ps	0.01	0.03	0.05	0.07	0.11	0.14	0.19
	CFM	100	150	200	250	300	350	400
FR-3 3 SLOT	-Ps	0.01	0.02	0.04	0.07	0.10	0.13	0.18
	CFM	150	225	300	375	450	525	600
FR-4 4 SLOT	-Ps	0.01	0.02	0.04	0.07	0.10	0.14	0.18
	CFM	200	300	400	500	600	700	800

1. Data determined in accordance with ANSI / ASHRAE Standard 70-1991.
2. CFM is cubic feet per minute
3. Ps is static pressure, inches of water
4. Throw values are in feet, to terminal velocities, Vt = 50 Fpm.
5. NC level is based on 10 dB room attenuation re:10-12 watts.

PERFORMANCE CORRECTION FACTORS FOR OTHER LENGTHS				
DIFFUSER LENGTH	24"	36"	48"	60"
CFM CHANGE	X .5	X .87	X 1.0	X 1.25
NC CHANGE	-3	-1	0	+1
THROW CHANGE	X .7	X .87	X 1.0	X 1.12