

MODELS: 10-MS • 15-MS • 20-MS • 25-MS

9/16" SQUARE HOLES ON 11/16" CENTERS (P1)

AREA FACTOR AK			.15			.25			.40			.60			.80			1.00		
TYPICAL SIZES			10x4	6x6		10x6	12x5		12x8	16x6		16x8	12x12		30x6	14x12		28x8	18x12	
SPREAD ANGLE			0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°	0°	22.5°	45°
50	THROW	MIN.	5	4	3															
	CFM	FEET	8	6	4															
	STATIC PRESSURE		-	-	-															
75	THROW	MIN.	8	5	4	6	4	3												
	CFM	FEET	12	8	6	9	7	5												
	STATIC PRESSURE		-	.01	.02	-	-	-												
100	THROW	MIN.	10	7	6	8	6	4												
	CFM	FEET	16	11	8	12	9	7												
	STATIC PRESSURE		.01	.02	.03	-	-	.01												
150	THROW	MIN.	15	11	8	12	8	6	9	7	5									
	CFM	FEET	24	17	13	18	13	10	15	10	8									
	STATIC PRESSURE		.03	.05	.08	.01	.02	.03	-	-	.01									
200	THROW	MIN.	20	15	11	16	11	8	12	9	7	10	7	5						
	CFM	FEET	32	23	17	25	18	13	19	14	10	16	11	9						
	STATIC PRESSURE		.05	.09	.13	.02	.03	.05	-	.01	.02	-	-	-						
250	THROW	MIN.	25	18	14	20	14	11	16	11	8	13	9	7	11	8	6			
	CFM	FEET	39	28	21	31	22	17	24	17	13	20	14	11	17	13	9			
	STATIC PRESSURE		.06	.13	.20	.03	.05	.08	.01	.02	.03	-	-	.01	-	-	-			
300	THROW	MIN.				24	17	13	19	13	10	15	11	8	13	9	7	12	8	6
	CFM	FEET				37	26	20	29	21	16	24	17	13	21	15	11	18	13	10
	STATIC PRESSURE					.04	.07	.10	.02	.03	.04	-	.01	.02	-	-	.01	-	-	-
350	THROW	MIN.				27	20	13	22	16	12	18	13	10	15	11	8	14	10	7
	CFM	FEET				43	31	23	34	24	18	28	20	15	24	17	13	22	15	12
	STATIC PRESSURE					.05	.10	.14	.02	.04	.06	.01	.02	.03	-	.01	.02	-	-	.01
400	THROW	MIN.							25	18	13	20	15	11	18	13	9	16	11	8
	CFM	FEET							39	28	21	32	23	17	27	20	15	25	18	13
	STATIC PRESSURE								.03	.05	.08	.01	.02	.04	-	.01	.02	-	-	.01
450	THROW	MIN.							28	20	15	23	16	12	20	14	11	18	13	10
	CFM	FEET							44	31	24	36	26	19	31	22	17	28	20	15
	STATIC PRESSURE								.03	.06	.09	.02	.03	.04	-	.02	.03	-	.01	.02
500	THROW	MIN.							31	22	17	25	18	14	22	16	12	20	14	11
	CFM	FEET							48	35	26	40	29	21	34	25	18	31	22	17
	STATIC PRESSURE								.04	.08	.11	.02	.04	.05	.01	.02	.03	-	.01	.02
600	THROW	MIN.							37	27	20	30	22	16	26	19	14	24	17	13
	CFM	FEET							58	42	31	48	34	26	41	30	22	37	26	20
	STATIC PRESSURE								.06	.11	.16	.03	.05	.08	.02	.03	.04	.01	.02	.03
700	THROW	MIN.										36	26	19	31	22	17	27	20	15
	CFM	FEET										55	40	30	48	34	26	43	31	23
	STATIC PRESSURE											.04	.07	.10	.02	.04	.06	.02	.03	.04
800	THROW	MIN.										41	29	22	35	25	19	31	23	17
	CFM	FEET										63	45	34	55	39	30	49	35	26
	STATIC PRESSURE											.05	.09	.13	.03	.05	.08	.02	.03	.05
900	THROW	MIN.										46	33	25	39	28	21	35	25	19
	CFM	FEET										72	51	39	62	44	33	55	40	30
	STATIC PRESSURE											.06	.11	.16	.03	.06	.10	.02	.04	.06
1000	THROW	MIN.													44	32	24	39	28	21
	CFM	FEET													68	49	37	61	44	33
	STATIC PRESSURE														.04	.08	.11	.03	.05	.08
1200	THROW	MIN.													53	38	28	47	34	25
	CFM	FEET													82	59	44	74	53	40
	STATIC PRESSURE														.06	.11	.16	.04	.07	.10
1400	THROW	MIN.																55	40	30
	CFM	FEET																86	62	46
	STATIC PRESSURE																	.05	.10	.14

NC	below	20	
NC	20 to	30	
NC	30 to	40	
NC	above	40	

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

Throw

- Distance in feet, at which the air has reduced to a terminal velocity, VT, of 125, 80 FPM, (min-max) respectively (isothermal)
- 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
- AK: Area factor with VK measured using Alnor velometer