

Nominal Neck Diameter	Core Velocity		400	500	600	700	800	1000	1200	1400	1600																		
	Ps	0°	0.02	0.02	0.04	0.05	0.06	0.10	0.14	0.19	0.25																		
		22.5°	0.02	0.04	0.05	0.07	0.09	0.15	0.21	0.29	0.38																		
		45°	0.04	0.06	0.09	0.12	0.16	0.24	0.35	0.48	0.62																		
6	CFM		60	70	90	100	120	150	180	210	240																		
	NC		<20	<20	<20	<20	<20	<20	21	25	29																		
	Throw	0°	6	9	15	7	11	17	9	13	19	11	14	20	13	15	22	14	17	24	15	19	27	17	20	29	18	22	31
		22.5°	4	6	11	5	8	12	6	9	14	8	10	14	9	11	16	10	12	17	11	14	19	12	14	21	13	16	22
45°		3	5	8	4	6	9	5	7	10	6	8	11	7	8	12	8	9	13	8	10	15	9	11	16	10	12	17	
8	CFM		110	140	170	200	230	280	340	390	450																		
	NC		<20	<20	<20	<20	<20	<20	24	28	32																		
	Throw	0°	8	13	21	11	16	23	13	18	26	15	20	28	17	21	30	19	23	33	21	26	37	23	28	39	24	30	42
		22.5°	6	9	15	8	12	17	9	13	19	11	14	20	12	15	22	14	17	24	15	19	27	17	20	28	17	22	30
45°		4	7	12	6	9	13	7	10	14	8	11	15	9	12	17	10	13	18	12	14	20	13	15	21	13	17	23	
10	CFM		180	220	270	310	360	450	540	630	720																		
	NC		<20	<20	<20	<20	<20	20	26	30	34																		
	Throw	0°	11	16	27	13	20	29	16	23	33	19	25	35	22	27	38	24	30	42	27	33	46	29	35	50	31	38	53
		22.5°	8	12	19	9	14	21	12	17	24	14	18	25	16	19	27	17	22	30	19	24	33	21	25	36	22	27	38
45°		6	9	15	7	11	16	9	13	18	10	14	19	12	15	21	13	17	23	15	18	25	16	19	28	17	21	29	
12	CFM		270	330	400	460	530	660	800	930	1060																		
	NC		<20	<20	<20	<20	<20	22	27	32	36																		
	Throw	0°	13	20	33	16	24	36	20	28	40	23	30	42	26	32	46	29	36	51	32	40	56	35	43	60	37	46	64
		22.5°	9	14	24	12	17	26	14	20	29	17	22	30	19	23	33	21	26	37	23	29	40	25	31	43	27	33	46
45°		7	11	18	9	13	20	11	15	22	13	17	23	14	18	25	16	20	28	18	22	31	19	24	33	20	25	35	
14	CFM		370	460	550	650	740	920	1110	1290	1480																		
	NC		<20	<20	<20	<20	<20	23	29	33	37																		
	Throw	0°	16	23	38	19	29	42	23	33	46	27	36	50	31	38	54	35	42	60	38	47	66	41	50	71	44	54	76
		22.5°	12	17	27	14	21	30	17	24	33	19	26	36	22	27	39	25	30	43	27	34	48	30	36	51	32	39	55
45°		9	13	21	10	16	23	13	18	25	15	20	28	17	21	30	19	23	33	21	26	36	23	28	39	24	30	42	
16	CFM		490	610	730	860	980	1220	1470	1710	1960																		
	NC		<20	<20	<20	<20	<20	24	30	35	39																		
	Throw	0°	18	27	44	22	33	49	27	38	53	31	41	58	36	44	62	40	49	69	44	54	76	47	58	82	51	62	88
		22.5°	13	19	32	16	24	35	19	27	38	22	30	42	26	32	45	29	35	50	32	39	55	34	42	59	37	45	63
45°		10	15	24	12	18	27	15	21	29	17	23	32	20	24	34	22	27	38	24	30	42	26	32	45	28	34	48	
20	CFM		780	970	1170	1360	1550	1940	2330	2720	3110																		
	NC		<20	<20	<20	<20	20	26	32	37	41																		
	Throw	0°	23	34	55	28	42	62	34	48	68	39	52	73	45	55	78	50	62	87	55	68	96	60	73	103	64	78	110
		22.5°	17	24	40	20	30	45	24	35	49	28	37	53	32	40	56	36	45	63	40	49	69	43	53	74	46	56	79
45°		13	19	30	15	23	34	19	26	37	21	29	40	25	30	43	28	34	48	30	37	53	33	40	57	35	43	61	
24	CFM		1140	1420	1700	1990	2270	2840	3410	3970	4540																		
	NC		<20	<20	<20	<20	21	28	34	38	42																		
	Throw	0°	27	41	67	34	51	75	41	58	82	48	62	88	54	67	94	61	75	106	67	82	116	72	88	125	77	94	133
		22.5°	19	30	48	24	37	54	30	42	59	35	45	63	39	48	68	44	54	76	48	59	84	52	63	90	55	68	96
45°		15	23	37	19	28	41	23	32	45	26	34	48	30	37	52	34	41	58	37	45	64	40	48	69	42	52	73	

Test Standard

- ANSI / ASHRAE standard 70
- Isothermal air used during testing. For large grilles with a cooling differential, the drop of the air stream should be evaluated.

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 for 0° blade angle setting and is the 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. For 22.5° blade angle setting, add 6 NC to the tabulated value shown. For 45° blade angle setting, add 13 NC to the tabulated value shown.

Throw

- The numbers shown 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 the ceiling surface. For exposed duct installation with free, unattached jet, multiply throw distance in table x .70
- Terminal velocity is the air speed, in feet per minute, measured in the supply air stream.
- 0°, 22.5°, 45° represent the spread angle settings
- 0°, 22.5°, 45° represent the blade deflection or spread angle settings

Pressure

- PS represents Static Pressure, inches of water

Core Area

- The total plane area of that portion of a grille through which air can pass

Core Velocity

- Feet per minute (fpm) of air through Core Area