

Supply with 3/4 in. Blade Spacing

		NC 20		NC 30		NC 40							
Size	Core Velocity (fpm)	300	400	500	600	700	800	1000	1200	1400	1600	1800	
	Velocity Pressure (in. w.g.)	0.006	0.010	0.016	0.022	0.030	0.040	0.062	0.090	0.122	0.159	0.202	
	Total Pressure (in. w.g.)	0°	0.014	0.024	0.038	0.052	0.071	0.094	0.146	0.212	0.287	0.374	0.475
		22.5°	0.017	0.028	0.045	0.063	0.085	0.114	0.176	0.256	0.347	0.452	0.574
45°		0.025	0.042	0.067	0.093	0.126	0.168	0.261	0.379	0.514	0.669	0.850	
Ac = 0.15 ft ² 7 x 4 6 x 5	Flow Rate (cfm)	45	60	75	90	105	120	150	180	210	240	270	
	Sound (NC)	-	-	-	-	15	19	26	31	36	40	44	
	Throw (ft)	0°	4-6-12	5-8-14	7-10-16	8-12-17	9-13-19	11-14-20	13-16-22	14-17-24	15-19-26	16-20-28	17-22-30
		22.5°	3-5-10	4-6-11	6-8-13	6-10-14	7-10-15	9-11-16	10-13-18	11-14-19	12-15-21	13-16-22	14-18-24
45°		2-3-6	3-4-7	3-5-8	4-6-9	5-7-9	5-7-10	6-8-11	7-9-12	8-9-13	8-10-14	9-11-15	
Ac = 0.18 ft ² 8 x 4 7 x 5 6 x 6	Flow Rate (cfm)	55	70	90	110	125	145	180	215	250	290	325	
	Sound (NC)	-	-	-	-	16	20	27	32	37	41	45	
	Throw (ft)	0°	4-7-13	6-8-15	7-11-17	9-13-19	10-15-20	11-16-22	14-17-24	15-19-26	17-21-29	18-22-31	19-24-33
		22.5°	3-6-10	5-6-12	6-9-14	7-10-15	8-12-16	9-13-18	11-14-19	12-15-21	14-17-23	14-18-25	15-19-26
45°		2-3-7	3-4-8	4-5-9	4-7-10	5-7-10	6-8-11	7-9-12	8-10-13	8-10-14	9-11-15	10-12-16	
Ac = 0.22 ft ² 10 x 4 8 x 5 7 x 6	Flow Rate (cfm)	65	90	110	130	155	175	220	265	310	350	395	
	Sound (NC)	-	-	-	-	17	21	27	33	38	42	45	
	Throw (ft)	0°	4-7-14	7-10-17	8-12-19	9-15-21	11-16-23	13-17-24	16-19-27	17-21-29	19-23-32	20-25-34	21-26-36
		22.5°	3-6-11	6-8-14	6-10-15	7-12-17	9-13-18	10-14-19	13-15-22	14-17-23	15-18-26	16-20-27	17-21-29
45°		2-4-7	3-5-9	4-6-10	5-7-10	6-8-11	6-9-12	8-10-13	9-11-15	9-12-16	10-12-17	11-13-18	
Ac = 0.26 ft ² 12 x 4 10 x 5 8 x 6	Flow Rate (cfm)	80	105	130	155	180	210	260	310	365	415	470	
	Sound (NC)	-	-	-	-	17	21	28	34	38	42	46	
	Throw (ft)	0°	5-8-16	7-11-19	9-13-21	10-16-23	12-17-24	14-19-26	17-21-29	19-23-32	20-25-35	22-26-37	23-27-40
		22.5°	4-6-13	6-9-15	7-10-17	8-13-18	10-14-19	11-15-21	14-17-23	15-18-26	16-20-28	18-21-30	18-22-32
45°		3-4-8	4-5-09	4-7-10	5-8-11	6-9-12	7-9-13	8-11-15	9-12-16	10-13-17	11-13-18	12-14-20	
Ac = 0.30 ft ² 14 x 4	Flow Rate (cfm)	90	120	150	180	210	240	300	360	420	480	540	
	Sound (NC)	-	-	-	-	18	22	29	34	39	43	47	
	Throw (ft)	0°	5-9-17	8-11-20	9-14-22	11-17-24	13-19-26	15-20-28	18-23-31	20-25-34	22-27-37	24-29-40	25-30-42
		22.5°	4-7-14	6-9-16	7-11-18	9-14-19	10-15-21	12-16-22	14-18-25	16-20-27	18-22-30	19-23-32	20-24-34
45°		3-4-8	4-6-10	5-7-11	6-8-12	7-9-13	8-10-14	9-11-16	10-12-17	11-13-19	12-14-20	12-15-21	
Ac = 0.34 ft ² 16 x 4 12 x 5 10 x 6	Flow Rate (cfm)	100	135	170	205	240	270	340	410	475	545	610	
	Sound (NC)	-	-	-	-	19	23	29	35	40	44	47	
	Throw (ft)	0°	5-9-18	8-12-21	10-15-24	12-19-26	14-20-28	16-22-30	20-24-33	22-26-37	23-28-40	25-30-42	26-32-45
		22.5°	4-7-14	6-10-17	8-12-19	10-15-21	11-16-22	13-18-24	16-19-26	18-21-30	18-22-32	20-24-34	21-26-36
45°		3-4-9	4-6-11	5-8-12	6-9-13	7-10-14	8-11-15	10-12-17	11-13-18	12-14-20	12-15-21	13-16-22	
Ac = 0.39 ft ² 18 x 4 14 x 5 12 x 6 8 x 8	Flow Rate (cfm)	115	155	195	235	275	310	390	470	545	625	700	
	Sound (NC)	-	-	-	-	19	23	30	35	40	44	48	
	Throw (ft)	0°	6-9-19	9-13-23	11-16-25	13-19-28	15-22-30	17-23-32	21-26-36	23-27-40	25-30-42	27-33-45	28-35-48
		22.5°	5-7-15	7-10-18	9-13-20	10-15-22	12-18-24	14-18-26	17-21-29	18-22-32	20-24-34	22-26-36	22-28-38
45°		3-5-10	4-6-11	5-8-13	7-10-14	8-11-15	9-12-16	11-13-18	12-14-20	12-15-21	13-16-23	14-17-24	

NC 20

NC 30

NC 40

Performance Notes:

- Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- Air flow is in cfm.
- All pressures are in in. w.g.
- Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
- Throw data is based on supply air and room air being at isothermal conditions.
- NC values are based on room absorption of 10 dB re 10-12 Watts @ 0° deflection and one diffuser.
- Blanks "-" indicate an NC level below 15.
- Deflection 0°-22.5°-45°**
The listed deflection settings refer to horizontal deflection. For a 20° upward deflection, use the room throw rating for a 0° setting and the total pressure for a 22.5° horizontal setting. The performance tables are based on registers with core style 520 with an opposed blade damper. The performance of other core styles, with or without dampers, can be obtained by the application of correction factors to the tabulated performance data.
See correction factor table at end of section.

Supply with 3/4 in. Blade Spacing

Size	Core Velocity (fpm)		300	400	500	600	700	800	1000	1200	1400	1600	1800
	Velocity Pressure (in. w.g.)		0.006	0.010	0.016	0.022	0.030	0.040	0.062	0.090	0.122	0.159	0.202
	Total Pressure (in. w.g.)	0°	0.014	0.024	0.038	0.052	0.071	0.094	0.146	0.212	0.287	0.374	0.475
22.5°		0.017	0.028	0.045	0.063	0.085	0.114	0.176	0.256	0.347	0.452	0.574	
45°		0.025	0.042	0.067	0.093	0.126	0.168	0.261	0.379	0.514	0.669	0.85	
Ac = 0.46 ft ² 20 x 4 16 x 5 14 x 6 10 x 8	Flow Rate (cfm)		140	185	230	275	320	370	460	550	645	735	830
	Sound (NC)		-	-	-	15	20	24	31	36	41	45	49
	Throw (ft)	0°	7-10-22	9-14-25	12-17-27	14-22-30	16-23-32	19-25-35	23-27-39	25-31-43	27-33-46	29-35-49	31-38-52
		22.5°	6-8-18	7-11-20	10-14-22	11-18-24	13-18-26	15-20-28	18-22-31	20-25-34	22-26-37	23-28-39	25-30-42
45°		3-5-11	5-7-12	6-9-14	7-11-15	8-11-16	10-13-17	11-14-20	12-15-21	14-17-23	14-18-24	15-19-26	
Ac = 0.52 ft ² 24 x 4 18 x 5 16 x 6	Flow Rate (cfm)		155	210	260	310	365	415	520	625	730	830	935
	Sound (NC)		-	-	-	16	20	24	31	37	41	45	49
	Throw (ft)	0°	7-11-23	10-15-26	13-19-29	15-22-32	18-25-35	20-26-37	24-30-41	27-33-45	29-35-49	31-38-52	32-40-55
		22.5°	6-9-18	8-12-21	10-15-23	12-18-26	14-20-28	16-21-30	19-24-33	22-26-36	22-28-39	25-30-42	26-32-44
45°		3-5-11	5-7-13	6-9-15	8-11-16	9-12-17	10-13-18	12-15-21	13-16-23	14-18-24	15-19-26	16-20-28	
Ac = 0.60 ft ² 28 x 4 20 x 5 18 x 6 12 x 8 10 x 10	Flow Rate (cfm)		180	240	300	360	420	480	600	720	840	960	1080
	Sound (NC)		-	-	-	16	21	25	32	37	42	46	50
	Throw (ft)	0°	7-12-24	11-16-28	14-20-31	16-24-34	19-27-37	22-29-40	26-32-45	29-35-48	31-38-52	33-40-56	35-43-59
		22.5°	6-10-19	9-13-22	11-16-25	13-19-27	15-22-30	18-23-32	21-26-36	23-28-38	25-30-42	26-32-45	28-34-47
45°		4-6-12	5-8-14	7-10-16	8-12-17	10-13-19	11-14-20	13-16-22	14-17-24	15-19-26	16-20-28	17-21-29	
Ac = 0.69 ft ² 30 x 4 24 x 5 20 x 6 14 x 8 12 x 10	Flow Rate (cfm)		205	275	345	415	485	550	690	830	965	1100	1240
	Sound (NC)		-	-	-	17	22	26	32	38	43	47	50
	Throw (ft)	0°	8-13-26	12-17-30	15-22-34	18-26-37	21-29-40	24-31-43	28-34-47	30-38-52	33-40-56	35-43-60	37-45-63
		22.5°	6-10-21	10-14-24	12-18-27	14-21-30	17-23-32	19-25-34	22-27-38	24-30-42	26-32-45	28-34-48	30-36-50
45°		4-6-13	6-9-15	7-11-17	9-13-18	10-14-20	12-15-21	14-17-24	15-19-26	16-20-28	18-22-30	19-23-31	
Ac = 0.81 ft ² 36 x 4 28 x 5 22 x 6 16 x 8 14 x 10	Flow Rate (cfm)		245	325	405	485	565	650	810	970	1130	1300	1460
	Sound (NC)		-	-	-	18	22	26	33	39	43	47	51
	Throw (ft)	0°	8-14-28	13-19-33	16-23-37	19-28-40	23-31-43	26-33-46	30-37-51	33-41-56	36-44-60	38-46-64	40-49-68
		22.5°	6-11-22	10-15-26	13-18-30	15-22-32	18-25-34	21-26-37	24-30-41	26-33-45	29-35-48	30-37-51	32-39-54
45°		4-7-14	6-9-16	8-12-18	10-14-20	11-15-22	13-17-23	15-19-26	17-20-28	18-22-30	19-23-32	20-25-34	
Ac = 0.90 ft ² 40 x 4 30 x 5 26 x 6 18 x 8 16 x 10 12 x 12	Flow Rate (cfm)		270	360	450	540	630	720	900	1080	1260	1440	1620
	Sound (NC)		-	-	-	18	23	27	34	39	44	48	51
	Throw (ft)	0°	9-15-30	14-20-34	17-25-39	21-30-42	24-33-45	27-35-48	32-39-55	35-43-59	37-46-63	40-49-68	42-52-72
		22.5°	7-12-24	11-16-27	14-20-31	17-24-34	19-26-36	22-28-38	26-31-44	28-34-47	30-37-50	32-39-54	34-42-58
45°		5-8-15	7-10-17	9-13-19	10-15-21	12-16-23	14-17-24	16-20-27	17-21-29	19-23-32	20-24-34	21-26-36	
Ac = 1.07 ft ² 48 x 4 36 x 5 30 x 6 22 x 8 18 x 10 14 x 12	Flow Rate (cfm)		320	430	535	640	750	855	1070	1280	1500	1710	1930
	Sound (NC)		-	-	-	19	24	28	34	40	45	49	52
	Throw (ft)	0°	10-16-32	15-22-38	18-28-42	22-33-46	26-36-49	29-38-53	35-43-59	38-48-64	41-50-69	43-53-74	46-57-79
		22.5°	8-13-26	12-18-30	14-22-34	18-26-37	21-29-39	23-30-42	28-34-47	30-37-51	33-40-55	34-42-59	37-46-63
45°		5-8-16	7-11-19	9-14-21	11-17-23	13-18-25	14-19-26	17-21-29	19-23-32	20-25-35	22-27-37	23-28-40	

NC 50

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Air flow is in cfm.
3. All pressures are in in. w.g.
4. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
5. Throw data is based on supply air and room air being at isothermal conditions.
6. NC values are based on room absorption of 10 dB re 10⁻¹² Watts @ 0° deflection and one diffuser.
7. Blanks "-" indicate an NC level below 15.
8. **Deflection 0°-22.5°-45°**
The listed deflection settings refer to horizontal deflection. For a 20° upward deflection, use the room throw rating for a 0° setting and the total pressure for a 22.5° horizontal setting. The performance tables are based on registers with core style 520 with an opposed blade damper. The performance of other core styles, with or without dampers, can be obtained by the application of correction factors to the tabulated performance data.
See correction factor table at end of section.

Supply with 3/4 in. Blade Spacing

Size		Core Velocity (fpm)		300		400		500		600		700		800		1000		1200		1400		1600		1800					
		Velocity Pressure (in. w.g.)		0.006		0.010		0.016		0.022		0.030		0.040		0.062		0.090		0.122		0.159		0.202					
Size		Total Pressure (in. w.g.)		0°		0.014		0.024		0.036		0.052		0.071		0.094		0.146		0.212		0.287		0.374		0.475			
				22.5°		0.017		0.028		0.045		0.063		0.085		0.114		0.176		0.256		0.347		0.452		0.574			
				45°		0.025		0.042		0.067		0.093		0.126		0.168		0.261		0.379		0.514		0.669		0.85			
Ac = 1.18 ft ²		Flow Rate (cfm)		353		470		590		710		825		945		1180		1420		1650		1890		2120					
40 x 5 34 x 6 24 x 8 20 x 10 16 x 12		14 x 14		Sound (NC)		-		-		-		19		24		28		35		40		45		49		53			
				Throw (ft)		0°		10-17-34		15-23-40		19-28-44		23-35-48		27-38-52		31-40-56		36-45-62		40-48-67		43-52-73		45-56-78		48-59-83	
						22.5°		8-14-27		12-18-32		15-22-35		18-28-38		22-30-42		25-32-45		29-35-50		32-38-54		34-42-58		36-45-62		38-47-66	
45°		5-8-17				8-11-20		10-14-22		12-17-24		13-19-26		15-20-28		18-22-31		20-24-34		21-26-36		23-28-39		24-30-41					
Ac = 1.34 ft ²		Flow Rate (cfm)		400		535		670		805		940		1070		1340		1610		1880		2140		2410					
46 x 5 38 x 6 28 x 8 22 x 10 18 x 12		16 x 14		Sound (NC)		-		-		-		20		24		28		35		41		45		50		53			
				Throw (ft)		0°		11-18-36		16-24-42		20-30-47		24-37-51		28-40-56		32-43-59		39-47-65		42-52-72		45-56-78		48-60-83		51-63-89	
						22.5°		9-14-29		13-19-34		16-24-38		19-30-41		22-32-45		26-34-47		31-38-52		34-42-58		36-45-62		38-48-66		41-50-71	
45°		6-9-18				8-12-21		10-15-23		12-18-25		14-20-28		16-21-29		19-23-33		21-26-36		23-28-39		24-30-42		26-32-44					
Ac = 1.60 ft ²		Flow Rate (cfm)		480		540		800		960		1120		1280		1600		1920		2240		2560		2880					
44 x 6 43 x 8 26 x 10 22 x 12 18 x 14		16 x 16		Sound (NC)		-		-		15		21		25		29		36		42		46		50		54			
				Throw (ft)		0°		13-20-40		18-26-46		22-32-51		27-39-56		31-43-60		35-46-64		42-51-72		46-56-79		49-61-85		53-65-91		56-69-97	
						22.5°		10-16-32		14-21-37		18-26-41		22-31-45		25-34-48		28-37-51		34-41-58		37-45-63		39-49-68		42-52-73		45-55-78	
45°		6-10-20				9-13-23		11-16-25		13-20-28		15-22-30		17-23-32		21-26-36		23-28-39		25-30-43		26-32-46		28-35-48					
Ac = 1.80 ft ²		Flow Rate (cfm)		540		720		900		1080		1260		1440		1800		2160		2520		2880		3240					
50 x 5 36 x 8 28 x 10 24 x 12 20 x 14		18 x 16		Sound (NC)		-		-		16		21		26		30		37		42		47		51		54			
				Throw (ft)		0°		13-21-42		19-28-48		24-35-55		29-43-59		32-46-63		37-49-68		45-55-76		48-60-84		52-65-90		56-69-87		60-73-103	
						22.5°		10-17-34		15-22-38		19-28-44		23-34-47		26-37-50		30-39-54		36-44-61		38-48-67		42-52-72		45-55-78		48-58-82	
45°		7-11-21				9-14-24		12-17-27		14-21-29		16-23-32		19-24-34		22-27-38		24-30-42		26-32-45		28-35-48		30-37-51					
Ac = 2.08 ft ²		Flow Rate (cfm)		625		830		1040		1250		1460		1660		2080		2500		2910		3330		3740					
58 x 6 42 x 8 32 x 10 28 x 12 24 x 14		20 x 16 18 x 18		Sound (NC)		-		-		16		22		26		30		37		43		47		51		55			
				Throw (ft)		0°		14-23-45		20-30-52		26-38-58		30-44-63		35-49-68		40-53-73		48-59-82		52-64-90		56-69-97		60-75-104		64-79-110	
						22.5°		11-18-36		16-24-42		21-30-46		24-35-50		28-39-54		32-42-58		38-47-66		42-51-72		45-55-78		48-60-83		51-63-88	
45°		7-11-23				10-15-26		13-19-29		15-22-32		17-25-34		20-26-37		24-29-41		26-32-45		28-35-48		30-37-52		32-40-55					
Ac = 2.45 ft ²		Flow Rate (cfm)		735		980		1220		1470		1720		1960		2450		2940		3430		3920		4410					
48 x 8 38 x 10 32 x 12 26 x 14 24 x 16		20 x 18		Sound (NC)		-		-		17		22		27		31		38		43		48		52		56			
				Throw (ft)		0°		15-25-49		22-33-57		27-40-62		32-48-68		38-54-74		43-57-80		52-64-89		57-70-97		61-76-106		65-81-113		70-87-120	
						22.5°		12-20-39		18-26-46		22-32-50		26-38-54		30-43-59		34-46-64		42-51-71		46-56-78		49-61-85		52-65-90		56-70-96	
45°		7-12-24				11-16-28		14-20-31		16-24-34		19-27-37		22-28-40		26-32-45		28-35-49		32-38-53		33-42-56		35-43-60					
Ac = 2.78 ft ²		Flow Rate (cfm)		835		1110		1390		1670		1950		2220		2780		3340		3890		4450		5000					
56 x 8 40 x 10 36 x 12 30 x 14 26 x 16		24 x 18 22 x 20		Sound (NC)		-		-		17		23		28		32		38		44		49		53		56			
				Throw (ft)		0°		16-26-52		23-34-60		29-42-67		35-50-73		40-57-79		45-61-85		55-68-95		60-75-104		65-81-112		70-87-122		74-93-128	
						22.5°		13-21-42		18-27-48		23-34-54		28-40-58		32-48-63		36-49-68		44-54-76		48-60-83		52-65-90		56-70-98		59-74-102	
45°		8-13-26				12-17-30		14-21-33		17-25-37		20-28-40		23-30-42		28-34-47		30-37-52		33-40-56		35-43-61		37-46-64					

Performance Notes:

- Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- Air flow is in cfm.
- All pressures are in in. w.g.
- Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
- Throw data is based on supply air and room air being at isothermal conditions.
- NC values are based on room absorption of 10 dB re 10⁻¹² Watts @ 0° deflection and one diffuser.
- Blanks "-" indicate an NC level below 15.
- Deflection 0°-22.5°-45°**
The listed deflection settings refer to horizontal deflection. For a 20° upward deflection, use the room throw rating for a 0° setting and the total pressure for a 22.5° horizontal setting. The performance tables are based on registers with core style 520 with an opposed blade damper. The performance of other core styles, with or without dampers, can be obtained by the application of correction factors to the tabulated performance data.
See correction factor table at end of section.

Supply with 3/4 in. Blade Spacing

		NC 20				NC 30			NC 40		NC 50			
Size	Core Velocity (fpm)		300	400	500	600	700	800	1000	1200	1400	1600	1800	
	Velocity Pressure (in. w.g.)		0.006	0.01	0.016	0.022	0.03	0.04	0.062	0.09	0.122	0.159	0.202	
	Total Pressure (in. w.g.)	0°	0.014	0.024	0.036	0.052	0.071	0.094	0.146	0.212	0.287	0.374	0.475	
22.5°		0.017	0.028	0.045	0.063	0.085	0.114	0.176	0.256	0.347	0.452	0.574		
45°		0.025	0.042	0.067	0.093	0.126	0.168	0.261	0.379	0.514	0.669	0.85		
Ac = 3.11 ft²		Flow Rate (cfm)		935	1240	1560	1870	2180	2490	3110	3730	4350	5600	
		Sound (NC)		-	-	18	23	28	32	39	44	49	57	
62 x 8 48 x 10 40 x 12 34 x 14 30 x 16	26 x 18 24 x 20	Throw (ft)	0°	17-27-55	24-35-63	34-45-71	41-53-78	47-60-84	48-64-90	58-72-100	64-79-110	69-86-118	74-92-128	79-97-135
			22.5°	14-22-44	19-29-50	27-35-57	33-42-62	38-48-67	38-51-72	46-58-80	51-63-88	55-69-94	59-74-102	63-78-108
			45°	8-14-28	12-18-31	17-22-35	20-26-39	23-30-42	24-32-45	29-36-50	32-40-55	35-43-59	37-46-64	40-49-67
Ac = 3.61 ft²		Flow Rate (cfm)		1080	1440	1800	2170	2530	2890	3610	4330	5050	6500	
		Sound (NC)		-	-	19	24	29	33	40	45	50	57	
72 x 8 58 x 10 48 x 12 36 x 16 30 x 18	28 x 20 24 x 24	Throw (ft)	0°	18-29-59	26-38-68	32-47-76	38-56-84	44-65-90	51-69-97	63-78-108	69-88-118	75-93-128	80-99-137	86-105-146
			22.5°	14-23-47	21-30-54	26-38-61	30-45-67	35-52-72	41-55-78	50-62-86	55-69-94	60-74-102	64-79-110	69-84-117
			45°	9-14-29	13-19-34	16-23-38	19-28-42	22-32-45	25-35-48	31-39-54	35-43-59	38-46-64	40-50-69	43-52-73
Ac = 4.29 ft²		Flow Rate (cfm)		1290	1720	2140	2570	3000	3430	4290	5150	6010	7720	
		Sound (NC)		-	-	19	24	29	33	40	45	50	58	
68 x 10 56 x 12 48 x 14 42 x 16 36 x 18	32 x 20 28 x 24	Throw (ft)	0°	19-31-64	28-41-74	35-50-83	42-60-91	49-71-98	56-76-106	69-85-118	76-93-130	82-102-140	88-108-149	92-115-158
			22.5°	15-25-51	22-33-59	28-40-66	34-48-73	39-57-78	45-81-85	55-68-94	61-74-104	66-82-112	70-86-119	74-92-126
			45°	10-15-32	14-20-37	17-25-42	21-30-46	24-35-49	28-38-53	34-43-59	38-47-65	41-51-70	44-54-75	46-57-79
Ac = 4.65 ft²		Flow Rate (cfm)		1400	1880	2320	2790	3260	3720	4650	5580	6510	7440	8370
		Sound (NC)		-	-	20	25	30	34	41	46	51	59	
72 x 10 60 x 12 52 x 14 44 x 16 40 x 18	36 x 20 30 x 24	Throw (ft)	0°	20-33-67	29-43-78	36-54-87	44-65-95	51-74-103	58-79-110	77-89-123	79-97-135	86-105-146	91-113-156	96-120-164
			22.5°	16-26-54	23-34-62	29-43-70	35-52-76	41-59-82	46-63-88	58-71-98	63-78-108	69-84-117	73-90-125	77-96-131
			45°	10-16-33	15-22-39	18-27-43	22-32-48	25-37-52	29-40-55	36-44-61	39-49-67	43-52-73	46-56-78	48-60-82
Ac = 5.58 ft²		Flow Rate (cfm)		1670	2230	2790	3350	3910	4460	5580	6700	7810	8930	10,000
		Sound (NC)		-	-	20	26	31	35	41	47	52	56	59
72 x 12 60 x 14 54 x 16 48 x 18 42 x 20		Throw (ft)	0°	22-36-73	31-47-85	40-59-95	47-72-104	55-81-113	63-87-122	79-97-135	87-107-148	93-116-160	100-125-171	106-132-180
			22.5°	18-29-58	25-38-68	32-47-76	38-58-83	44-65-90	50-70-98	63-78-108	70-86-118	74-93-130	80-100-137	85-105-140
			45°	11-18-37	16-23-43	20-30-48	23-36-52	28-41-57	31-44-61	39-49-67	43-53-74	47-53-80	50-62-86	53-66-90
Ac = 6.25 ft²		Flow Rate (cfm)		1880	2500	3120	3750	4380	5000	6250	7500	8750	10,000	11,200
		Sound (NC)		-	-	21	27	31	35	42	48	52	56	60
72 x 14 60 x 16 54 x 18 48 x 20 40 x 24	32 x 30	Throw (ft)	0°	23-37-78	33-49-90	42-62-100	50-75-103	58-86-119	67-93-128	84-104-143	92-113-156	96-123-169	106-132-180	112-140-192
			22.5°	18-30-62	26-39-72	34-50-80	40-60-82	46-69-95	54-74-102	67-83-114	74-90-125	78-98-135	85-105-140	90-112-153
			45°	12-19-39	17-25-45	21-31-50	25-37-51	29-43-60	34-46-64	42-52-72	46-57-78	49-61-85	53-66-90	56-70-96

NC 60

Performance Notes:

- Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- Air flow is in cfm.
- All pressures are in in. w.g.
- Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum).
- Throw data is based on supply air and room air being at isothermal conditions.
- NC values are based on room absorption of 10 dB re 10⁻¹² Watts @ 0° deflection and one diffuser.
- Blanks "-" indicate an NC level below 15.
- Deflection** 0°-22.5°-45° The listed deflection settings refer to horizontal deflection. For a 20° upward deflection, use the room throw rating for a 0° setting and the total pressure for a 22.5° horizontal setting. The performance tables are based on registers with core style 520 with an opposed blade damper. The performance of other core styles, with or without dampers, can be obtained by the application of correction factors to the tabulated performance data.

9. Corrections for 500/600/700 Series Core Styles

Core Style	Opposed		Multiply Total Pressure	Add NC
	Blade Damper	Def'n		
520/620/720	Yes	0°	1	0
		22.5°	1	2
		45°	1	6
510/60/720	Yes	0°	1	-4
		22.5°	1	-1
		45°	1	4
520/620/720	No	0°	0.85	-7
		22.5°	0.92	-3
		45°	0.93	3
510/610/710	No	0°	0.77	-10
		22.5°	0.8	-6
		45°	0.82	1

Return with 0° Deflection and 3/4 in. Blade Spacing

Core Area (sq. ft.)	Nominal Size			Core Velocity (fpm)								
				300	400	500	600	700	800	1000	1100	
				Velocity Pressure (in. w.g.)	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.075
				Neg. Static Pressure (in. w.g.)	0.012	0.022	0.035	0.050	0.068	0.089	0.138	0.167
0.15	7 x 4			Flow Rate (cfm)	45	60	75	90	105	120	150	165
	6 x 5			Sound (NC)	-	-	-	17	22	27	35	38
0.18	8 x 4	6 x 6		Flow Rate (cfm)	55	70	90	110	125	145	180	215
	7 x 5			Sound (NC)	-	-	-	18	23	28	36	39
0.22	10 x 4	7 x 6		Flow Rate (cfm)	65	90	110	130	155	175	220	265
	8 x 5			Sound (NC)	-	-	-	18	24	29	36	40
0.26	12 x 4	8 x 6		Flow Rate (cfm)	80	105	130	155	180	210	260	310
	10 x 5			Sound (NC)	-	-	-	19	25	29	37	40
0.30	14 x 4			Flow Rate (cfm)	90	120	150	180	210	240	300	330
				Sound (NC)	-	-	-	20	25	30	38	41
0.34	16 x 4	10 x 6		Flow Rate (cfm)	100	135	170	205	240	270	340	410
	12 x 5			Sound (NC)	-	-	-	20	26	30	38	41
0.39	18 x 4	12 x 6		Flow Rate (cfm)	115	155	195	235	275	310	390	470
	14 x 5	8 x 8		Sound (NC)	-	-	-	21	26	31	39	42
0.46	20 x 4	14 x 6		Flow Rate (cfm)	138	184	230	276	322	368	460	506
	16 x 5	10 x 8		NC Sound (NC)	-	-	15	21	27	32	39	43
0.52	24 x 4	16 x 6		Flow Rate (cfm)	156	208	260	312	364	416	520	572
	18 x 5			Sound (NC)	-	-	16	22	27	32	40	43
0.60	28 x 4	18 x 6	10 x 10	Flow Rate (cfm)	180	240	300	360	420	480	600	660
	20 x 5	12 x 8		Sound (NC)	-	-	16	23	28	33	40	44
0.69	30 x 4	20 x 6	12 x 10	Flow Rate (cfm)	207	276	345	414	483	552	690	759
	24 x 5	14 x 8		Sound (NC)	-	-	17	23	29	33	41	44
0.81	36 x 4	22 x 6	14 x 10	Flow Rate (cfm)	243	324	405	486	567	648	810	891
	28 x 5	16 x 8		Sound (NC)	-	-	17	24	29	34	42	45
0.9	40 x 4	26 x 6	16 x 10	Flow Rate (cfm)	273	364	455	546	637	728	910	1001
	32 x 5	18 x 8	12 x 12	Sound (NC)	-	-	18	24	30	34	42	45
1.07	42 x 4	30 x 6	18 x 10	Flow Rate (cfm)	321	428	535	642	749	856	1070	1177
	36 x 5	22 x 8	14 x 12	Sound (NC)	-	-	19	25	30	35	43	46
1.18	34 x 6	20 x 10	14 x 14	Flow Rate (cfm)	354	472	590	708	826	944	1180	1298
	24 x 8	16 x 12		Sound (NC)	-	-	19	25	31	35	43	47
1.34	38 x 6	22 x 10	16 x 14	Flow Rate (cfm)	402	536	670	804	938	1072	1340	1474
	28 x 8	18 x 12		Sound (NC)	-	-	19	26	31	36	44	47
1.60	44 x 6	26 x 10	18 x 14	Flow Rate (cfm)	480	640	800	960	1120	1280	1600	1760
	32 x 8	22 x 12	16 x 16	Sound (NC)	-	-	20	27	32	37	44	48
1.80	50 x 6	30 x 10	20 x 14	Flow Rate (cfm)	540	720	900	1080	1260	1440	1800	1980
	36 x 8	24 x 12	18 x 16	Sound (NC)	-	-	21	27	32	37	45	48
2.08	58 x 6	34 x 10	24 x 14	Flow Rate (cfm)	624	832	1040	1248	1456	1664	2080	2288
	42 x 8	28 x 12	20 x 16	Sound (NC)	-	-	21	28	33	38	45	49
2.45	50 x 8	32 x 12	24 x 16	Flow Rate (cfm)	735	980	1225	1470	1715	1960	2450	2695
	38 x 10	28 x 14	20 x 18	Sound (NC)	-	-	22	28	34	38	46	49
2.78	56 x 8	36 x 12	26 x 16	Flow Rate (cfm)	834	1112	1390	1668	1946	2224	2780	3058
	44 x 10	30 x 14	24 x 18	Sound (NC)	-	15	22	29	34	39	47	50
3.11	48 x 10	34 x 14	26 x 18	Flow Rate (cfm)	933	1244	1555	1866	2177	2488	3110	3421
	40 x 12	30 x 16	24 x 20	Sound (NC)	-	15	23	29	35	39	47	50
3.61	56 x 10	40 x 14	30 x 18	Flow Rate (cfm)	1083	1444	1805	2166	2527	2888	3610	3971
	48 x 12	34 x 16	28 x 20	Sound (NC)	-	16	24	30	35	40	48	51
4.29	56 x 12	40 x 16	32 x 20	Flow Rate (cfm)	1287	1716	2145	2574	3003	3432	4290	4719
	48 x 14	36 x 18	30 x 22	Sound (NC)	-	16	24	31	36	41	48	52
4.65	60 x 12	44 x 16	36 x 20	Flow Rate (cfm)	1395	1860	2325	2790	3255	3720	4650	5115
	50 x 14	40 x 18	32 x 22	Sound (NC)	-	17	25	31	36	41	49	52
5.58	60 x 14	48 x 18	38 x 22	Flow Rate (cfm)	1674	2232	2790	3348	3906	4464	5580	6138
	54 x 16	42 x 20	36 x 24	Sound (NC)	-	17	25	32	37	42	50	53
6.25	72 x 14	52 x 18	40 x 24	Flow Rate (cfm)	1875	2500	3125	3750	4375	5000	6250	6875
	60 x 16	48 x 20	32 x 30	Sound (NC)	-	18	26	32	37	42	50	53

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Air flow is in cfm.
3. All pressures are in in. w.g. s.p. = Static Pressure
4. NC values are based on room absorption of 10 dB re 10⁻¹² Watts and one grille.
5. Performance data is for a grille complete with opposed blade damper in the full open position.
6. Blanks "-" indicate an NC level below 15.
7. Correction factors to be applied to table for no damper: loss - multiply by 0.82, NC - subtract 12.

Return with 45° Deflection and 3/4 in. Blade Spacing

Core Area (sq. ft.)	Nominal Size			NC 20						NC 30					
				Core Velocity (fpm)		200	300	400	500	600	700	800	900	1000	1100
				Velocity Pressure (in. w.g.)		0.002	0.006	0.01	0.016	0.022	0.031	0.040	0.050	0.062	0.075
				Neg. Static Pressure (in. w.g.)		0.011	0.025	0.044	0.069	0.100	0.136	0.177	0.224	0.277	0.335
0.15	7 x 4			Flow Rate (cfm)		30	45	60	75	90	105	120	135	150	165
	6 x 5			Sound (NC)		-	-	-	19	24	28	32	35	38	40
0.18	8 x 4	6 x 6		Flow Rate (cfm)		36	54	72	90	108	126	144	162	180	198
	7 x 5			Sound (NC)		-	-	-	19	24	28	32	35	38	41
0.22	10 x 4	7 x 6		Flow Rate (cfm)		44	66	88	110	132	154	176	198	220	242
	8 x 5			Sound (NC)		-	-	-	20	25	29	33	36	39	41
0.26	12 x 4	8 x 6		Flow Rate (cfm)		52	78	104	130	156	182	208	234	260	286
	10 x 5			Sound (NC)		-	-	-	20	25	29	33	36	39	42
0.30	14 x 4			Flow Rate (cfm)		60	90	120	150	180	210	240	270	300	330
				Sound (NC)		-	-	15	21	26	30	33	37	40	42
0.34	16 x 4	10 x 6		Flow Rate (cfm)		68	102	136	170	204	238	272	306	340	374
	12 x 5			Sound (NC)		-	-	15	21	26	30	34	37	40	43
0.39	18 x 4	12 x 6		Flow Rate (cfm)		78	117	156	195	234	273	312	351	390	429
	14 x 5	8 x 8		Sound (NC)		-	-	15	21	26	31	34	37	40	43
0.46	20 x 4	14 x 6		Flow Rate (cfm)		92	138	184	230	276	322	368	414	460	506
	16 x 5	10 x 8		Sound (NC)		-	-	16	22	27	31	35	38	41	43
0.52	24 x 4	16 x 6		Flow Rate (cfm)		104	156	208	260	312	364	416	468	520	572
	18 x 5			Sound (NC)		-	-	16	22	27	31	35	38	41	44
0.60	28 x 4	18 x 6	10 x 10	Flow Rate (cfm)		120	180	240	300	360	420	480	540	600	660
	20 x 5	12 x 8		Sound (NC)		-	-	16	23	28	32	35	39	42	44
0.69	30 x 4	20 x 6	12 x 10	Flow Rate (cfm)		138	207	276	345	414	483	552	621	690	759
	24 x 5	14 x 8		Sound (NC)		-	-	17	23	28	32	36	39	42	45
0.81	36 x 4	22 x 6	14 x 10	Flow Rate (cfm)		162	243	324	405	486	567	648	729	810	891
	28 x 5	16 x 8		Sound (NC)		-	-	17	23	28	33	36	40	42	45
0.90	40 x 4	26 x 6	16 x 10	Flow Rate (cfm)		182	273	364	455	546	637	728	819	910	1001
	32 x 5	18 x 8	12 x 12	Sound (NC)		-	-	18	24	29	33	37	40	43	45
1.07	42 x 4	30 x 6	18 x 10	Flow Rate (cfm)		214	321	428	535	642	749	856	963	1070	1177
	36 x 5	22 x 8	14 x 12	Sound (NC)		-	-	18	24	29	33	37	40	43	46
1.18	34 x 6	20 x 10	14 x 14	Flow Rate (cfm)		236	354	472	590	708	826	944	1062	1180	1298
	24 x 8	16 x 12		Sound (NC)		-	-	18	25	29	34	37	41	43	46
1.34	38 x 6	22 x 10	16 x 14	Flow Rate (cfm)		268	402	536	670	804	938	1072	1206	1340	1474
	28 x 8	18 x 12		Sound (NC)		-	-	19	25	30	34	38	41	44	46
1.60	44 x 6	26 x 10	18 x 14	Flow Rate (cfm)		320	480	640	800	960	1120	1280	1440	1600	1760
	32 x 8	22 x 12	16 x 16	Sound (NC)		-	-	19	25	30	35	38	41	44	47
1.80	50 x 6	30 x 10	20 x 14	Flow Rate (cfm)		360	540	720	900	1080	1260	1440	1620	1800	1980
	36 x 8	24 x 12	18 x 16	Sound (NC)		-	-	20	26	31	35	39	42	45	47
2.08	58 x 6	34 x 10	24 x 14	Flow Rate (cfm)		416	624	832	1040	1248	1456	1664	1872	2080	2288
	42 x 8	28 x 12	20 x 16	Sound (NC)		-	-	20	26	31	35	39	42	45	48
2.45	50 x 8	32 x 12	24 x 16	Flow Rate (cfm)		490	735	980	1225	1470	1715	1960	2205	2450	2695
	38 x 10	28 x 14	20 x 18	Sound (NC)		-	-	20	27	32	36	39	43	46	48
2.78	56 x 8	36 x 12	26 x 16	Flow Rate (cfm)		556	834	1112	1390	1668	1946	2224	2502	2780	3058
	44 x 10	30 x 14	24 x 18	Sound (NC)		-	-	21	27	32	36	40	43	46	48
3.11	48 x 10	34 x 14	26 x 18	Flow Rate (cfm)		622	933	1244	1555	1866	2177	2488	2799	3110	3421
	40 x 12	30 x 16	24 x 20	Sound (NC)		-	-	21	27	32	36	40	43	46	49
3.61	56 x 10	40 x 14	30 x 18	Flow Rate (cfm)		722	1083	1444	1805	2166	2527	2888	3249	3610	3971
	48 x 12	34 x 16	28 x 20	Sound (NC)		-	-	22	28	33	37	41	44	47	49
4.29	56 x 12	40 x 16	32 x 20	Flow Rate (cfm)		858	1287	1716	2145	2574	3003	3432	3861	4290	4719
	48 x 14	36 x 18	30 x 22	Sound (NC)		-	-	22	28	33	37	41	44	47	50
4.65	60 x 12	44 x 16	36 x 20	Flow Rate (cfm)		930	1395	1860	2325	2790	3255	3720	4185	4650	5115
	50 x 14	40 x 18	32 x 22	Sound (NC)		-	-	22	28	33	38	41	44	47	50
5.58	60 x 14	48 x 18	38 x 22	Flow Rate (cfm)		1116	1674	2232	2790	3348	3906	4464	5022	5580	6138
	54 x 16	42 x 20	36 x 24	Sound (NC)		-	15	23	29	34	38	42	45	48	50
6.25	72 x 14	52 x 18	40 x 24	Flow Rate (cfm)		1250	1875	2500	3125	3750	4375	5000	5625	6250	6875
	60 x 16	48 x 20	32 x 30	Sound (NC)		-	15	23	29	34	38	42	45	48	51

NC 40

NC 50

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Air flow is in cfm.
3. All pressures are in in. w.g.
4. Performance data is for grille complete with opposed blade damper in the full open position.
5. NC values are based on room absorption of 10 dB re 10⁻¹² Watts and one grille.
6. Blanks "-" indicate an NC level below 15.
7. Correction factors to be applied to table for no damper: pressure loss - multiply by 0.91, NC - subtract 5.
8. Does not include pressure drop on FF models.
9. Does not include effects of ceiling radiation damper (530-FR, 530 FF-FR)

Return with 45° Deflection and 1/2 in. Blade Spacing

Core Area (sq. ft.)	Nominal Size			NC 20					NC 30				NC 40					
				Core Velocity (fpm)					200	300	400	500	600	700	800	900	1000	1100
				Velocity Pressure (in. w.g.)					0.002	0.006	0.010	0.016	0.022	0.031	0.040	0.050	0.062	0.075
				Neg. Static Pressure (in. w.g.)					0.015	0.035	0.062	0.097	0.139	0.190	0.248	0.314	0.387	0.468
0.15	7 x 4			Flow Rate (cfm)	30	45	60	75	90	105	120	135	150	165				
	6 x 5			Sound (NC)	-	-	-	19	24	28	32	36	39	41				
0.18	8 x 4	6 x 6		Flow Rate (cfm)	36	54	72	90	108	126	144	162	180	198				
	7 x 5			Sound (NC)	-	-	-	19	25	29	33	36	39	42				
0.22	10 x 4	7 x 6		Flow Rate (cfm)	44	66	88	110	132	154	176	198	220	242				
	8 x 5			Sound (NC)	-	-	-	20	25	30	34	37	40	43				
0.26	12 x 4	8 x 6		Flow Rate (cfm)	52	78	104	130	156	182	208	234	260	286				
	10 x 5			Sound (NC)	-	-	-	21	26	31	34	38	41	43				
0.30	14 x 4			Flow Rate (cfm)	60	90	120	150	180	210	240	270	300	330				
				Sound (NC)	-	-	15	21	27	31	35	38	41	44				
0.34	16 x 4	10 x 6		Flow Rate (cfm)	68	102	136	170	204	238	272	306	340	374				
	12 x 5			Sound (NC)	-	-	16	22	27	32	35	39	42	45				
0.39	18 x 4	12 x 6		Flow Rate (cfm)	78	117	156	195	234	273	312	351	390	429				
	14 x 5	8 x 8		Sound (NC)	-	-	16	22	28	32	36	39	42	45				
0.46	20 x 4	14 x 6		Flow Rate (cfm)	92	138	184	230	276	322	368	414	460	506				
	16 x 5	10 x 8		Sound (NC)	-	-	17	23	28	33	37	40	43	46				
0.52	24 x 4	16 x 6		Flow Rate (cfm)	104	156	208	260	312	364	416	468	520	572				
	18 x 5			Sound (NC)	-	-	17	24	29	33	37	40	43	46				
0.60	28 x 4	18 x 6	10 x 10	Flow Rate (cfm)	120	180	240	300	360	420	480	540	600	660				
	20 x 5	12 x 8		Sound (NC)	-	-	18	24	29	34	38	41	44	47				
0.69	30 x 4	20 x 6	12 x 10	Flow Rate (cfm)	138	207	276	345	414	483	552	621	690	759				
	24 x 5	14 x 8		Sound (NC)	-	-	18	25	30	34	38	42	45	47				
0.81	36 x 4	22 x 6	14 x 10	Flow Rate (cfm)	162	243	324	405	486	567	648	729	810	891				
	28 x 5	16 x 8		Sound (NC)	-	-	19	25	31	35	39	42	45	48				
0.90	40 x 4	26 x 6	16 x 10	Flow Rate (cfm)	182	273	364	455	546	637	728	819	910	1001				
	30 x 5	18 x 8	12 x 12	Sound (NC)	-	-	19	26	31	35	39	43	46	48				
1.07	42 x 4	30 x 6	18 x 10	Flow Rate (cfm)	214	321	428	535	642	749	856	963	1070	1177				
	36 x 5	22 x 8	14 x 12	Sound (NC)	-	-	20	26	32	36	40	43	46	49				
1.18	34 x 6	20 x 10	14 x 14	Flow Rate (cfm)	236	354	472	590	708	826	944	1062	1180	1298				
	24 x 8	16 x 12		Sound (NC)	-	-	20	27	32	36	40	44	47	49				
1.34	38 x 6	22 x 10	16 x 14	Flow Rate (cfm)	268	402	536	670	804	938	1072	1206	1340	1474				
	28 x 8	18 x 12		Sound (NC)	-	-	21	27	33	37	41	44	47	50				
1.60	44 x 6	26 x 10	18 x 14	Flow Rate (cfm)	320	480	640	800	960	1120	1280	1440	1600	1760				
	32 x 8	22 x 12	16 x 16	Sound (NC)	-	-	22	28	33	38	41	45	48	51				
1.80	50 x 6	30 x 10	20 x 14	Flow Rate (cfm)	360	540	720	900	1080	1260	1440	1620	1800	1980				
	36 x 8	24 x 12	18 x 16	Sound (NC)	-	-	22	28	34	38	42	45	48	51				
2.08	58 x 6	34 x 10	24 x 14	Flow Rate (cfm)	416	624	832	1040	1248	1456	1664	1872	2080	2288				
	42 x 8	28 x 12	20 x 16	Sound (NC)	-	-	23	29	34	39	42	46	49	52				
2.45	50 x 8	32 x 12	24 x 16	Flow Rate (cfm)	490	735	980	1225	1470	1715	1960	2205	2450	2695				
	38 x 10	28 x 14	20 x 18	Sound (NC)	-	15	23	30	35	39	43	46	50	52				
2.78	56 x 8	36 x 12	26 x 16	Flow Rate (cfm)	556	834	1112	1390	1668	1946	2224	2502	2780	3058				
	44 x 10	30 x 14	24 x 18	Sound (NC)	-	15	24	30	35	40	44	47	50	53				
3.11	48 x 10	34 x 14	26 x 18	Flow Rate (cfm)	622	933	1244	1555	1866	2177	2488	2799	3110	3421				
	40 x 12	30 x 16	24 x 20	Sound (NC)	-	16	24	31	36	40	44	47	50	53				
3.61	56 x 10	40 x 14	30 x 18	Flow Rate (cfm)	722	1083	1444	1805	2166	2527	2888	3249	3610	3971				
	48 x 12	34 x 16	28 x 20	Sound (NC)	-	17	25	31	36	41	45	48	51	54				
4.29	56 x 12	40 x 16	32 x 20	Flow Rate (cfm)	858	1287	1716	2145	2574	3003	3432	3861	4290	4719				
	48 x 14	36 x 18	30 x 22	Sound (NC)	-	17	25	32	37	41	45	49	52	54				
4.65	60 x 12	44 x 16	36 x 20	Flow Rate (cfm)	930	1395	1860	2325	2790	3255	3720	4185	4650	5115				
	50 x 14	40 x 18	32 x 22	Sound (NC)	-	17	26	32	37	42	46	49	52	55				
5.58	60 x 14	48 x 18	38 x 22	Flow Rate (cfm)	1116	1674	2232	2790	3348	3906	4464	5022	5580	6138				
	54 x 16	42 x 20	36 x 24	Sound (NC)	-	18	26	33	38	42	46	50	53	55				
6.25	72 x 14	52 x 18	40 x 24	Flow Rate (cfm)	1250	1875	2500	3125	3750	4375	5000	5625	6250	6875				
	60 x 16	48 x 20	32 x 30	Sound (NC)	-	19	27	33	39	43	47	50	53	56				

Performance Notes:

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4. Performance data is for grille complete with opposed blade damper in the full open position.
5. NC values are based on room absorption of 10 dB re 10⁻¹² Watts and one grille.
6. Blanks "*" indicate an NC level below 15.
7. Correction factors to be applied to table for no damper: pressure loss - multiply by 0.81, NC - subtract 2.
8. Does not include pressure drop on FF models.
9. Does not include effects of ceiling radiation damper (535-FR, 535FF-FR)