

ALUMINUM REVERSIBLE CORE GRILLES AND REGISTERS

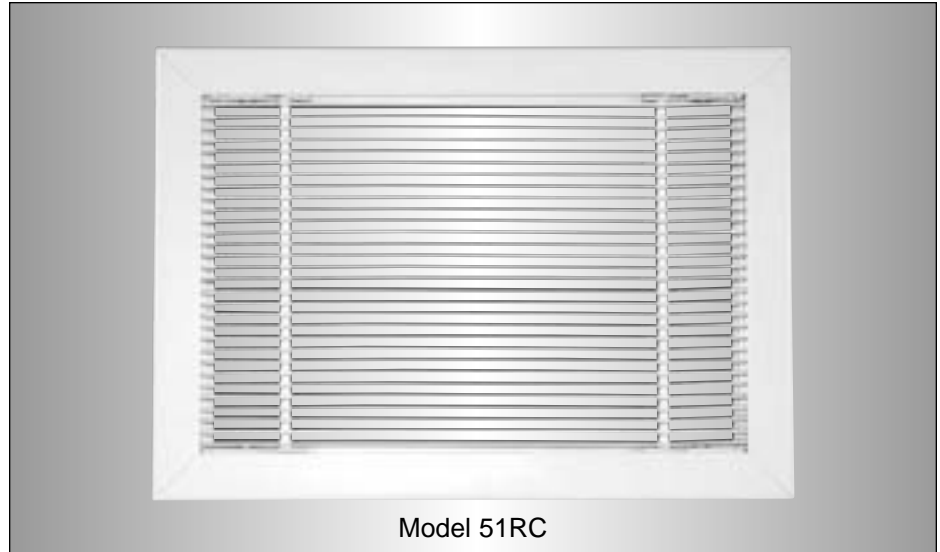
- SUPPLY OR RETURN

Models:

51RC

51RCD

- Suffix '-O' adds a steel opposed blade damper
- Suffix '-OA' adds an aluminum opposed blade damper



The **Nailor Models 51RC and 51RCD Reversible Core 'Linear Style' Grilles and Registers** are designed to combine rugged aluminum construction, pleasing architectural design and flexible air pattern versatility. The blade core is removable and may be rotated or reversed to achieve any one of four air deflection patterns. The **Model 51RCD** incorporates a set of rear directional vanes that are individually adjustable for additional air pattern control in supply applications.

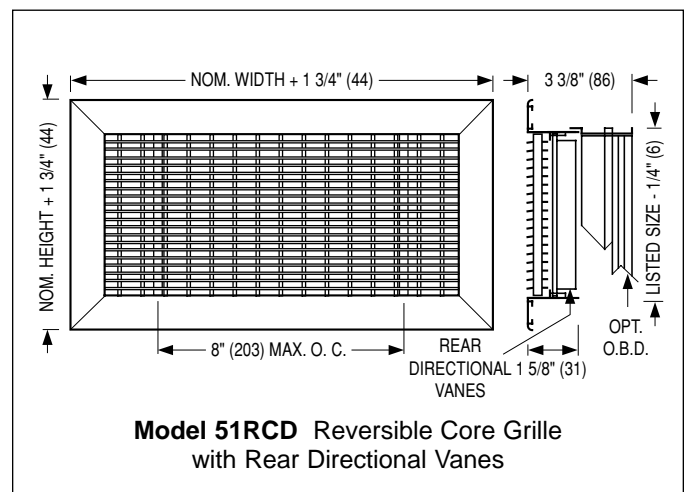
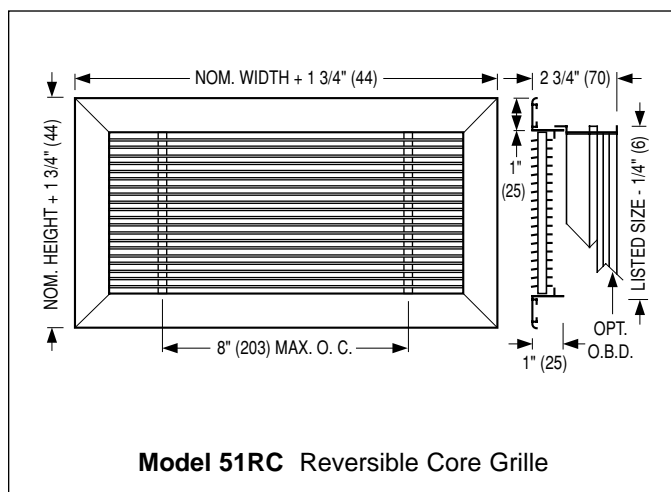
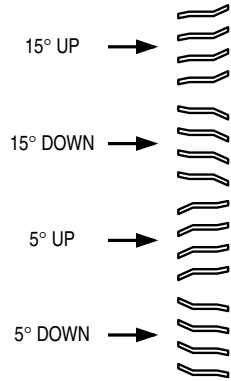
FEATURES:

- High quality extruded aluminum frame with reinforced mitered corners.
- Horizontal aluminum blades are spaced on 1/4" (6) centers and feature mandrel tube construction.
- Blade core is secured by a minimum of four sliding friction latches and is removable without the need for special tools.
- For additional air pattern control in supply applications, these grilles are available with optional rear deflection vanes, (on 3/4" (19) centers), which are friction pivoted and adjustable in order to provide horizontal spread of the air pattern from 0° to 45°.
- Optional steel opposed blade damper has a screwdriver slot operator for adjustment

through the face of the register.

- Optional aluminum opposed blade damper is available.
- Type N standard fastening is with sheet metal screws through neck of grille frame while core is removed, providing a clean, architectural appearance.
- Type A countersunk screw holes on frame margin mounting is available (option).
- AW Appliance White baked enamel finish is standard. Other finishes are available.
- Available in sizes from 6" x 4" to 48" x 24" (152 x 102 to 1219 x 610) in single section construction.

Reversible core provides 4 different vertical deflections:



GRILLES AND REGISTERS

HOW TO SPECIFY OR TO ORDER

(Show complete Model Number and Size, unless "Default" is desired).

Reversible Core Grilles and Registers – Model Series 51RC

51RC - O - 24 x 12 - S - AW - N - -

MODEL

- Aluminum Construction 51RC
- Aluminum Construction with Rear Vanes 51RCD

DAMPER

- Steel (standard) O
- Aluminum (optional) OA
- No Damper —

WIDTH x HEIGHT

inches (mm) x inches (mm)

ACCESSORIES

- None (default) —
- Insect Screen IS
- Foam Gasket GK

FASTENING

- None (default) N
- Countersunk Screw Holes A

FINISH

- Appliance White (default) AW
- Aluminum AL
- Special Custom Color SP

FRAME/BORDER TYPE

- Surface Mount (default) S

G

GRILLES AND REGISTERS

Notes:

1. For a standard grille with no special requirements, specification is only required as far as the damper selection. The "default" will automatically be selected. For example, an aluminum reversible core register, and steel damper, is Model 51RC-O. Unit will be supplied with no screw holes and AW Appliance White baked enamel finish.

SUGGESTED SPECIFICATION:

Furnish and install **Nailor Model** (select one) **51RC** or **51RCD (with rear vanes) Reversible Core Grilles** of the type and size as shown on the plans and air distribution schedules. The grille shall have extruded aluminum blades and frame. The blade core is to be removable and may be rotated or reversed to achieve any one of four air deflection patterns. The finish shall be AW Appliance White baked enamel (optional finishes are available).

(Optional) An opposed blade damper, constructed of heavy gauge corrosion-resistant steel (aluminum is optional) and operable from the face of the grille, shall be provided with all units.

The manufacturer shall provide published performance data for the grille, which shall be tested in accordance with ANSI/ASHRAE Standard 70 – 1991.

Performance Data

Reversible Core Grilles and Registers • 51RC Series

Models: 51RC, 51RCD

Listed Duct Size (inches)	Alternate Size (inches)	Core Area (sq. ft.)	Ak Factor	Core Velocity VP	200	300	400	500	600	700	800	900	1000
					.003	.006	.010	.016	.022	.031	.040	.051	.062
6 x 6	8 x 4 10 x 4	0.20		CFM	40	60	80	100	120	140	160	180	200
				NC	—	—	—	—	18	23	27	30	33
				T	0° 22 1/2° 45°	2-5-10 2-4-8 1-2-5	5-7-13 4-6-10 3-4-7	7-9-16 6-7-13 4-5-8	8-12-18 6-10-14 4-6-9	10-14-20 8-11-16 5-7-10	11-15-21 9-12-17 6-8-11	12-16-23 10-13-18 8-10-12	14-17-24 11-14-19 7-8-12
8 x 6	10 x 5 12 x 4	0.27		CFM	54	81	108	135	162	189	216	243	270
				NC	—	—	—	14	19	24	28	31	34
				T	0° 22 1/2° 45°	2-5-12 2-4-10 1-2-6	5-8-15 4-6-12 3-4-8	8-12-18 6-10-14 4-6-9	10-14-20 8-11-16 5-7-10	11-16-23 9-13-18 6-8-12	13-18-25 10-14-20 8-10-14	15-19-27 12-15-22 8-10-14	16-20-28 13-16-22 8-10-14
10 x 6	12 x 5 16 x 4	0.35		CFM	70	105	140	175	210	245	280	315	350
				NC	—	—	—	15	20	25	29	32	35
				T	0° 22 1/2° 45°	3-6-14 2-5-11 1-3-7	6-9-18 5-7-14 3-5-9	9-13-21 7-10-17 5-7-11	10-16-24 8-13-19 5-8-12	12-19-26 10-15-21 6-10-13	15-20-28 12-16-22 8-10-14	17-21-30 14-17-24 9-11-15	19-22-31 15-18-25 9-11-15
8 x 8	14 x 5	0.38		CFM	76	114	152	190	228	266	304	342	380
				NC	—	—	—	16	21	26	30	33	36
				T	0° 22 1/2° 45°	3-6-15 2-5-12 1-3-7	6-9-19 5-7-15 3-5-10	9-14-22 7-11-18 5-7-11	11-16-25 9-13-20 6-8-13	13-19-27 10-15-22 7-10-14	16-21-29 13-17-23 8-11-15	18-22-32 14-18-26 9-11-16	18-23-32 14-18-26 9-11-16
12 x 6	18 x 4	0.42		CFM	84	126	168	210	252	294	336	378	420
				NC	—	—	—	16	21	26	30	33	36
				T	0° 22 1/2° 45°	3-6-15 2-5-12 1-3-7	6-9-19 5-7-15 3-5-10	9-14-22 7-11-18 5-7-11	11-16-25 9-13-20 6-8-13	13-19-27 10-15-22 7-10-14	16-21-30 13-17-24 8-11-15	18-22-32 14-18-26 9-11-16	18-23-32 14-18-26 9-11-16
14 x 6	10 x 8	0.50		CFM	100	150	200	250	300	350	400	450	500
				NC	—	—	10	17	22	27	31	34	37
				T	0° 22 1/2° 45°	3-7-16 2-6-13 1-3-8	6-11-20 5-9-16 3-6-10	10-15-23 8-12-18 5-8-12	12-18-25 10-14-20 6-9-13	15-20-28 12-16-22 8-10-14	16-22-31 13-18-25 8-11-16	19-23-33 15-18-26 10-12-17	20-24-34 16-19-27 12-12-17
12 x 8	16 x 6 24 x 4	0.58		CFM	116	174	232	290	348	406	464	522	580
				NC	—	—	11	18	23	28	32	35	38
				T	0° 22 1/2° 45°	3-7-17 2-6-14 1-3-8	7-11-21 6-9-17 4-6-11	10-15-24 8-12-19 5-8-12	12-19-27 10-15-22 6-10-14	15-21-30 12-17-24 8-11-15	17-23-32 14-18-26 9-12-16	20-24-34 16-19-27 10-12-17	21-26-36 17-21-29 10-13-18
10 x 10	14 x 7 26 x 4	0.61		CFM	122	183	244	305	366	427	488	549	610
				NC	—	—	11	18	23	28	32	35	38
				T	0° 22 1/2° 45°	3-7-17 2-6-14 1-3-8	7-11-21 6-9-17 4-6-11	10-16-24 8-13-19 5-8-12	13-19-28 10-15-22 7-10-14	16-21-30 13-17-24 8-11-15	17-23-32 14-18-26 9-12-16	20-24-35 16-19-28 10-12-18	22-27-37 18-22-30 11-13-18
18 x 6	14 x 8 28 x 4 30 x 4	0.65		CFM	130	195	260	325	390	455	520	585	650
				NC	—	—	12	19	24	29	33	36	39
				T	0° 22 1/2° 45°	3-8-18 2-6-14 1-3-9	7-12-22 6-10-18 4-6-11	11-16-25 9-13-20 6-8-13	13-20-29 10-16-23 7-10-15	16-22-32 13-18-26 8-11-16	18-24-34 14-19-27 9-12-17	21-25-36 17-20-29 11-13-18	23-27-38 18-22-30 11-13-19
12 x 10	20 x 6 24 x 5	0.74		CFM	148	222	296	370	444	518	592	666	740
				NC	—	—	12	19	24	29	33	36	39
				T	0° 22 1/2° 45°	4-8-19 3-6-15 1-3-9	8-13-24 6-10-19 4-7-12	11-17-27 9-14-22 6-9-14	14-21-31 11-17-25 7-11-16	17-24-33 14-19-26 9-12-17	20-26-36 16-21-29 10-13-18	22-27-39 18-22-31 11-14-20	24-29-41 19-23-33 12-14-20
22 x 6	16 x 8 28 x 5 36 x 4	0.80		CFM	160	240	320	400	480	560	640	720	800
				NC	—	—	13	20	25	30	34	37	40
				T	0° 22 1/2° 45°	4-8-20 3-6-16 1-3-10	8-13-25 6-10-20 4-7-13	11-18-28 9-14-22 6-9-14	15-22-32 12-18-26 8-11-16	18-25-35 14-20-28 9-13-18	20-27-38 16-22-30 10-14-19	23-28-41 18-22-33 12-14-21	25-30-43 20-24-34 12-15-21
12 x 12	14 x 10 18 x 8 24 x 6 38 x 4	0.90		CFM	180	270	360	450	540	630	720	810	900
				NC	—	—	13	20	25	30	34	37	40
				T	0° 22 1/2° 45°	4-9-21 3-7-17 1-4-10	9-14-26 7-11-21 5-7-13	12-18-29 10-14-23 6-9-15	15-23-33 12-18-26 8-12-17	18-26-36 14-21-29 9-13-18	21-27-39 17-22-31 11-14-20	24-29-42 19-23-34 12-15-21	26-31-45 21-25-36 13-15-22
18 x 10	30 x 6	1.13		CFM	226	339	452	565	678	791	904	1017	1130
				NC	—	—	14	21	26	31	35	38	41
				T	0° 22 1/2° 45°	4-10-23 3-8-18 1-5-11	9-15-29 7-12-23 5-8-15	14-20-33 11-16-26 7-10-17	17-25-36 14-20-29 9-13-18	20-29-40 16-23-32 10-15-20	24-30-43 19-24-34 12-15-22	27-33-46 22-26-37 14-17-23	28-34-48 22-27-38 14-17-24

Performance Data

Reversible Core Grilles and Registers • 51RC Series

Models: 51RC,51RCD

Listed Duct Size (inches)	Alternate Size (inches)	Core Area (sq. ft.)	Ak Factor	Core Velocity VP	Core Velocity									
					200	300	400	500	600	700	800	900	1000	
					.003	.006	.010	.016	.022	.031	.040	.051	.062	
				0°	.007	.016	.029	.045	.065	.089	.117	.147	.181	
				22 1/2°	.008	.019	.033	.052	.075	.102	.134	.169	.209	
				45°	.013	.029	.051	.079	.113	.156	.205	.258	.318	
14 x 14	16 x 12 20 x 10 24 x 8 34 x 6	1.24		CFM	248	372	496	620	744	868	992	1116	1240	
				NC	—	—	14	21	26	31	35	38	41	
				T	0°	5-12-26	11-18-33	16-25-39	20-29-42	24-33-47	27-36-51	31-39-54	33-40-57	35-42-60
				22 1/2°	4-10-21	9-14-26	13-20-31	16-23-34	19-26-38	22-29-41	25-31-43	26-32-46	28-34-48	
				45°	2-6-13	6-9-17	8-13-20	10-15-21	12-17-24	14-18-26	16-20-27	16-20-28	18-21-30	
18 x 12	16 x 14 22 x 10 28 x 8 38 x 6	1.37		CFM	274	411	548	685	822	959	1096	1233	1370	
				NC	—	—	15	22	27	32	36	39	42	
				T	0°	5-12-26	11-18-33	16-25-39	20-30-43	24-33-47	28-36-51	32-39-54	33-41-58	35-43-61
				22 1/2°	4-10-21	9-14-26	13-20-31	16-24-34	19-26-38	22-29-41	26-31-43	26-33-46	28-34-49	
				45°	2-6-13	6-9-17	8-13-20	10-15-22	12-17-24	14-18-26	16-20-27	16-20-29	18-22-31	
24 x 10	20 x 12 30 x 8	1.52		CFM	304	456	608	760	912	1064	1216	1368	1520	
				NC	—	—	15	22	27	32	36	39	42	
				T	0°	6-12-28	12-19-35	16-25-41	21-32-45	25-35-50	29-38-53	34-41-57	35-43-61	37-45-64
				22 1/2°	5-10-22	10-15-28	13-20-33	17-26-36	20-28-40	23-30-42	27-33-46	28-34-49	30-36-51	
				45°	3-6-14	6-10-18	8-13-21	11-16-23	13-18-25	15-19-27	17-21-29	17-21-30	19-23-32	
16 x 16	18 x 14 22 x 12 30 x 8	1.64		CFM	328	492	656	820	984	1148	1312	1476	1640	
				NC	—	—	15	22	27	32	36	39	42	
				T	0°	6-13-30	12-20-37	17-26-42	22-32-47	26-37-51	31-40-56	35-42-59	37-45-64	39-47-67
				22 1/2°	5-10-24	10-16-30	14-21-34	18-26-38	21-30-41	25-32-45	28-34-47	30-36-51	31-38-54	
				45°	3-6-15	6-10-19	9-13-21	11-16-24	13-19-26	16-20-28	18-21-30	18-22-32	20-24-34	
24 x 12	18 x 16 20 x 14 30 x 10 36 x 8	1.85		CFM	370	555	740	925	1110	1295	1480	1665	1850	
				NC	—	—	16	23	28	33	37	40	43	
				T	0°	6-13-30	12-20-38	18-27-44	22-33-48	27-38-54	32-40-58	36-44-62	38-46-65	40-48-69
				22 1/2°	5-10-24	10-16-30	14-22-35	18-26-38	22-30-43	26-32-46	29-35-50	30-37-52	32-38-55	
				45°	3-6-15	6-10-19	9-14-22	11-17-24	14-19-27	16-20-29	18-22-31	19-23-32	20-24-35	
18 x 18	20 x 16 24 x 14 28 x 12 32 x 10	2.10		CFM	420	630	840	1050	1260	1470	1680	1890	2100	
				NC	—	—	16	23	28	33	37	40	43	
				T	0°	6-14-32	13-21-40	19-29-47	24-36-52	29-40-57	33-43-62	38-47-66	40-49-70	42-52-74
				22 1/2°	5-11-26	10-17-32	15-23-38	19-29-42	23-32-46	26-34-50	30-38-53	32-39-66	34-42-59	
				45°	3-7-16	7-11-20	10-15-24	12-18-26	15-20-29	17-22-31	19-24-33	20-24-35	21-26-37	
30 x 12	20 x 18 22 x 16 26 x 14 36 x 10	2.32		CFM	464	696	928	1160	1392	1624	1856	2088	2320	
				NC	—	—	17	24	29	34	38	41	44	
				T	0°	7-15-34	14-23-43	21-31-50	26-39-56	31-43-61	36-47-67	41-50-71	44-53-75	46-56-79
				22 1/2°	6-12-27	11-18-34	17-25-40	21-31-45	25-34-49	29-38-54	33-40-57	35-42-60	32-45-63	
				45°	3-7-17	7-12-22	11-16-25	13-20-28	16-22-31	18-24-34	21-25-36	22-26-37	23-28-40	
24 x 16	32 x 12	2.50		CFM	500	750	1000	1250	1500	1750	2000	2250	2500	
				NC	—	—	17	24	29	34	38	41	44	
				T	0°	7-16-36	14-24-45	22-32-52	27-40-58	32-45-64	37-49-68	43-52-74	46-55-78	48-58-82
				22 1/2°	6-13-29	11-19-36	18-26-42	22-32-46	26-36-51	30-39-54	34-42-59	37-44-62	38-46-66	
				45°	3-8-18	7-12-23	11-16-26	14-20-29	16-23-32	19-25-34	22-26-37	23-27-39	24-29-41	
20 x 20	22 x 18	2.61		CFM	522	783	1044	1305	1566	1827	2088	2349	2610	
				NC	—	—	17	24	29	34	38	41	44	
				T	0°	7-16-37	15-24-46	22-32-53	27-41-59	32-46-65	38-50-70	44-53-75	46-56-80	49-59-84
				22 1/2°	6-13-30	12-19-37	18-26-42	22-33-47	26-37-52	30-40-56	35-42-60	37-45-64	39-47-67	
				45°	3-8-18	8-12-23	11-16-27	14-21-30	16-23-33	19-25-35	22-27-38	23-28-40	25-30-42	
36 x 12	22 x 20 24 x 18 26 x 16 30 x 14	2.79		CFM	558	837	1116	1395	1674	1953	2232	2511	2790	
				NC	—	—	17	24	29	34	38	41	44	
				T	0°	7-16-38	15-25-48	23-34-55	28-42-61	34-48-68	4-51-73	45-55-77	47-58-82	50-61-86
				22 1/2°	6-13-30	12-20-38	18-27-44	22-34-49	27-38-54	32-41-58	36-44-62	38-46-66	40-49-69	
				45°	3-8-19	8-13-24	12-17-28	14-21-31	17-24-34	20-26-37	23-28-39	23-29-41	25-31-43	
22 x 22	24 x 20 26 x 18 30 x 16 40 x 12	3.17		CFM	634	951	1268	1585	1902	2219	2536	2853	3170	
				NC	—	—	18	25	30	35	39	42	45	
				T	0°	8-18-40	17-27-50	24-36-58	29-45-65	36-50-71	42-54-77	47-58-82	50-62-87	53-65-92
				22 1/2°	6-14-32	14-22-40	19-29-46	23-36-52	29-40-57	34-43-62	38-47-66	40-50-70	42-52-74	
				45°	4-9-20	9-14-25	12-18-29	15-23-33	18-25-36	21-27-39	24-29-41	25-31-43	27-33-46	
42 x 12	36 x 14	3.27		CFM	654	981	1308	1635	1962	2289	2616	2943	3270	
				NC	—	—	18	25	30	35	39	42	45	
				T	0°	8-18-41	17-27-51	24-36-59	30-45-66	36-51-72	42-55-77	48-59-83	50-63-88	53-66-93
				22 1/2°	6-14-33	14-22-41	19-29-47	24-36-53	29-41-58	34-44-62	38-47-66	40-50-70	42-53-74	
				45°	4-9-20	9-14-26	12-18-30	15-23-33	18-26-36	21-28-39	24-30-42	25-31-44	27-33-47	
30 x 18	24 x 22 34 x 16 40 x 14	3.54		CFM	708	1062	1416	1770	2124	2478	2832	3186	3540	
				NC	—	—	18	25	30	35	39	42	45	
				T	0°	9-18-42	18-28-53	25-37-61	31-47-69	37-53-75	44-57-81	50-61-86	53-65-92	56-69-97
				22 1/2°	7-14-34	14-22-42	20-30-49	25-38-55	30-42-60	35-46-65	40-49-69	42-52-74	45-55-78	
				45°	4-9-21	9-14-27	13-19-31	16-24-35	19-27-38	22-29-41	25-31-43	26-32-46	28-35-49	

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GRILLES AND REGISTERS

Performance Data

Reversible Core Grilles and Registers • 51RC Series

Models: 51RC, 51RCD

Listed Duct Size (inches)	Alternate Size (inches)	Core Area (sq. ft.)	Ak Factor	Core Velocity VP	200	300	400	500	600	700	800	900	1000
					.003	.006	.010	.016	.022	.031	.040	.051	.062
					0°	0°	0°	0°	0°	0°	0°	0°	0°
					TP	TP	TP	TP	TP	TP	TP	TP	TP
					22 1/2°	22 1/2°	22 1/2°	22 1/2°	22 1/2°	22 1/2°	22 1/2°	22 1/2°	22 1/2°
					45°	45°	45°	45°	45°	45°	45°	45°	45°
24 x 24	26 x 22 28 x 20 32 x 18 36 x 16	3.79		CFM	758	1137	1516	1895	2274	2653	3032	3411	3790
				NC	—	—	18	25	30	35	39	42	45
				T	0°	9-19-44	18-29-55	26-39-62	33-48-70	39-55-77	45-59-83	51-62-89	54-66-94
				22 1/2°	7-15-35	14-23-44	21-31-50	26-38-56	31-44-62	36-47-66	41-50-71	43-53-75	46-56-79
				45°	4-9-22	9-15-28	13-20-31	17-24-35	20-28-39	23-30-42	26-31-45	27-33-47	29-35-50
36 x 18	32 x 20 40 x 16 46 x 14	4.29		CFM	858	1287	1716	2145	2574	3003	3432	3861	4290
				NC	—	—	19	26	31	36	40	43	46
				T	0°	9-20-46	19-31-58	28-42-68	35-52-75	42-58-83	48-63-89	55-68-95	58-71-101
				22 1/2°	7-16-37	15-25-46	22-34-54	28-42-60	34-46-66	38-50-71	44-54-76	46-57-81	49-60-85
				45°	4-10-23	10-16-29	14-21-34	18-26-38	21-29-42	24-32-45	28-34-48	29-35-50	31-38-53
26 x 26	28 x 24 48 x 14	4.47		CFM	894	1341	1788	2235	2682	3129	3576	4023	4470
				NC	—	—	19	26	31	36	40	43	46
				T	0°	9-21-47	19-32-59	28-43-69	35-53-77	43-59-85	49-65-91	56-69-98	60-73-103
				22 1/2°	7-17-38	15-26-47	22-34-55	28-42-62	34-47-68	39-52-73	45-55-78	48-58-82	50-62-87
				45°	4-10-23	10-16-30	14-22-35	18-27-32	22-30-43	25-33-46	28-35-49	30-36-51	32-39-55
30 x 24	32 x 22 36 x 20 40 x 18	4.77		CFM	954	1431	1908	2385	2862	3339	3816	4293	4770
				NC	—	—	19	26	31	36	40	43	46
				T	0°	10-22-49	20-33-61	29-44-71	36-54-79	44-61-87	51-67-94	58-71-101	62-75-106
				22 1/2°	8-18-39	16-26-49	23-35-57	29-43-63	35-49-70	41-54-75	46-57-81	50-60-85	52-63-90
				45°	5-11-24	10-17-31	15-22-36	18-27-40	22-31-44	26-34-47	29-36-51	31-37-53	33-40-56
28 x 28	30 x 26 36 x 22 40 x 20	5.20		CFM	1040	1560	2080	2600	3120	3640	4160	4680	5200
				NC	—	—	20	27	32	37	41	44	47
				T	0°	10-22-50	21-34-63	30-45-74	38-56-82	45-63-90	53-69-97	60-74-104	64-78-110
				22 1/2°	8-18-40	17-27-50	24-36-59	30-45-66	36-50-72	42-55-78	48-59-83	51-62-88	54-66-93
				45°	5-11-25	11-17-32	15-23-37	19-28-41	23-32-45	27-35-49	30-37-52	32-39-55	34-41-58
36 x 24	40 x 22 44 x 20	5.74		CFM	1148	1722	2296	2870	3444	4018	4592	5166	5740
				NC	—	—	20	27	32	37	41	44	47
				T	0°	11-24-54	23-36-68	32-49-78	41-60-88	49-68-96	57-74-104	64-78-112	68-84-118
				22 1/2°	9-19-43	18-29-54	26-39-62	33-48-70	39-54-77	46-59-83	51-62-90	54-67-94	58-70-99
				45°	5-12-27	12-18-34	16-25-39	21-30-44	25-34-48	29-37-52	32-39-56	34-42-59	36-44-62
42 x 24	36 x 28 42 x 24 46 x 22	6.72		CFM	1344	2016	2688	3360	4032	4704	5376	6048	6720
				NC	—	—	21	28	33	38	42	45	48
				T	0°	12-26-58	24-39-72	34-51-84	43-64-93	51-72-102	60-78-111	68-84-118	73-88-125
				22 1/2°	10-21-46	19-31-58	27-41-67	34-51-74	41-58-82	48-62-89	54-67-94	58-70-100	62-74-106
				45°	6-13-29	12-20-36	17-26-42	22-32-47	26-36-51	30-39-56	34-42-59	36-44-62	39-47-66
36 x 30	38 x 28	7.22		CFM	1444	2166	2888	3610	4332	5054	5776	6498	7220
				NC	—	—	21	28	33	38	42	45	48
				T	0°	12-26-61	25-40-76	36-54-87	45-68-98	54-76-108	63-82-116	71-87-124	76-93-132
				22 1/2°	10-21-49	20-32-61	29-43-70	36-54-78	43-61-86	50-66-93	57-70-99	61-74-106	64-78-111
				45°	6-13-30	13-20-38	18-27-44	23-34-49	27-38-54	32-41-58	36-44-62	38-46-66	40-49-70
48 x 24	34 x 34 36 x 32 38 x 30 42 x 28	7.69		CFM	1538	2307	3076	3845	4614	5383	6152	6921	7690
				NC	—	15	22	29	34	39	43	46	49
				T	0°	13-27-62	26-41-77	37-55-90	46-69-100	55-77-109	64-84-118	73-90-127	78-95-135
				22 1/2°	10-22-50	21-33-62	30-44-72	37-55-80	44-62-87	51-67-94	58-72-102	62-76-108	66-80-114
				45°	6-13-31	13-22-39	19-28-45	23-45-50	28-39-55	32-42-59	37-45-64	39-47-67	41-50-71

CFM - cubic feet per minute
TP - total pressure - inches w.g.
VP - velocity pressure - inches w.g.
T - throw in feet
NC - Noise Criteria (values) based on 10 dB room absorption, re 10⁻¹² watts @ 0° deflection.
 Core velocity is in feet per minute.

Performance Notes:

1. Tabulated data includes opposed blade damper. Without opposed blade damper, multiply Total Pressure (TP) by x 0.8. Subtract 4 NC from the NC value shown.
2. Throw values are given for terminal velocities of 150, 100 and 50 fpm under isothermal conditions.
3. NC values were obtained using a 0° horizontal deflection rear blade setting. For deflection settings of 22 1/2° and 45°, add 2 and 7 NC to the tabulated NC level respectively.
4. When used as a return grille, the negative static pressure is obtained by multiplying the tabulated TP @ 0° deflection by x 0.8. Add 4 NC to the NC value shown.
5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 1991.