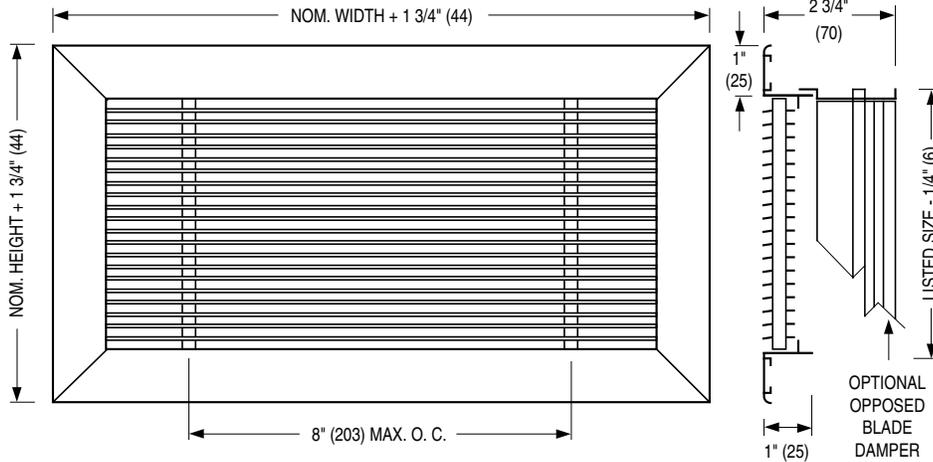
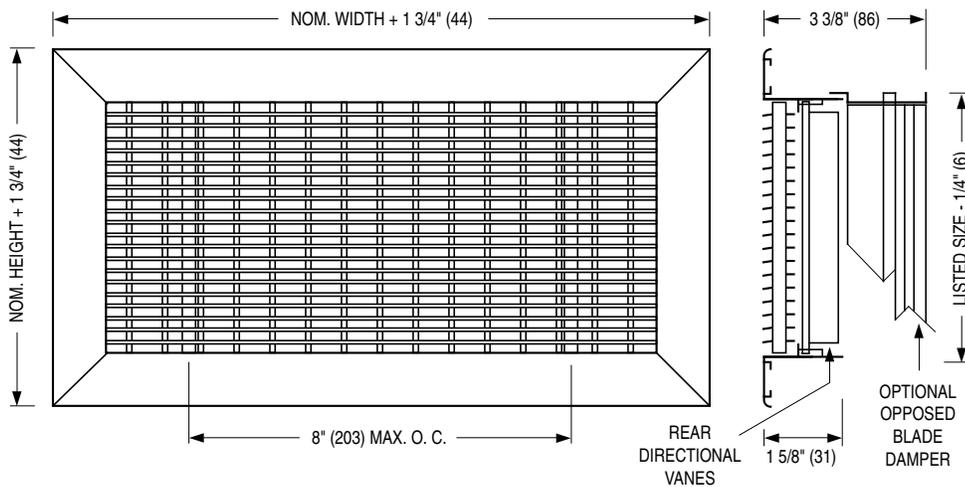
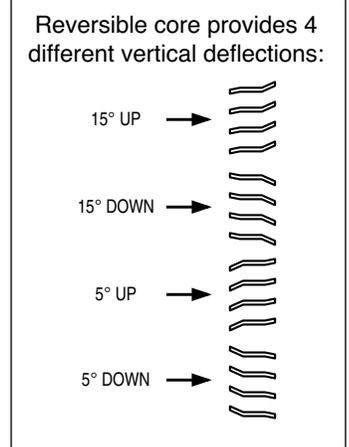




REVERSIBLE CORE GRILLES & REGISTERS
SUPPLY OR RETURN • FIXED NARROW BLADES
EXTRUDED ALUMINUM
MODELS: 51RC(-O) AND 51RCD(-O)



- MODEL 51RC**
Reversible Core Grille
- MODEL 51RC-O**
Reversible Core Register
(Includes O. B. Damper)



- MODEL 51RCD**
Reversible Core Grille with
Rear Directional Vanes
- MODEL 51RCD-O**
Reversible Core Register with
Rear Directional Vanes
(Includes O. B. Damper)

DESCRIPTION:

Reversible core 'linear style' grilles and registers 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.

For additional air pattern control in supply applications, these grilles are available with optional rear deflection vanes which are friction pivoted and adjustable in order to provide horizontal spread of the air pattern from 0° to 45°.

CONSTRUCTION:

1. Extruded aluminum frame is mechanically interlocked for strength with reinforced hairline mitered corners.
2. 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. Optional rear directional vanes are extruded aluminum 'teardrop' profile on 3/4" (19) centers.
3. Opposed blade damper on registers features corrosion resistant steel construction and a screwdriver slot operator.

4. Minimum size is 6" x 4" (152 x 102). Maximum size is 48" x 24" (1219 x 610). Available in 1" (25) nominal increments. Blades always run parallel to width (first specified dimension). Larger sizes are supplied as multiple single sections to suit.
5. Type N standard fastening is with sheet metal screws through neck of grille frame while core is removed, providing a clean, architectural appearance.
6. Standard finish is AW Appliance White.

OPTIONS:

1. Finish:
 - SP Special _____ .
2. Fastening:
 - Type A External countersunk screw holes on frame margin.
3. OAL Aluminum opposed blade damper.

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
2 - 1 - 11	51RC	20 - 4 - 99RR	51RC-1

Nailor offers a selection of standard colors and finishes available on our grilles, registers and diffusers. For painted finishes, our state-of-the-art paint systems provide environmentally friendly finishing solutions with uniform coverage and coating thickness. The result is an exceptionally durable finish that resists scratching, corrosion and general wear. Additional facilities for special requirements, as well as a selection of anodized or brushed finishes, complete our ability to provide unmatched beauty and durability for any application.

NAILOR POWDER COAT PROPERTIES

FILM THICKNESS	2.0 to 3.0 mils
HARDNESS	2 H
IMPACT RESISTANCE	Direct: 160 inch - lbs. Reverse 160 inch - lbs.
SALT SPRAY	1000 hours

ELECTROCOATING PROPERTIES

FILM THICKNESS	.8 to 1.2 mils
HARDNESS	HB TO H
IMPACT RESISTANCE	80 inch - lbs
SALT SPRAY	100 hours


POWDER COAT

Nailor's powder coat is a high-tech thermosetting polyester powder coating with superior physical properties that provide excellent color and gloss retention. The finish offers extreme durability and hardness that resists scratching, chipping and general wear. Surface preparation includes degreasing and a chemical cleaning followed by a clean rinse before a final powder coat finish is applied and baked. The environmentally friendly Nailor powder coat system assures uniform coverage and color consistency resulting in a long lasting superior finish. Colors, including simulated anodizing, which is far more economical than color anodizing, can be selected from Nailor's standard color chart or non-standard colors and can be matched from sample chips provided to Nailor.

ELECTROCOATING

E-Coat is an environmentally friendly coating that provides complete coverage and a wide range of performance properties, formulated to meet corrosion, durability and other performance specifications. Electrocoating is a highly automated process in which paint is electrically deposited onto a metal foundation. Film build thickness is uniform and overall application efficiencies are in excess of 90%. Paint is consistent on all part-to-part surfaces, preventing sags, runs or drips. E-Coat offers flexibility, better first yield pass and quicker production times compared to other forms of paint applications. Electrocoating is an excellent solution that offers superior properties and uniform finish.

CLEAR ANODIZING (Aluminum products only)

Clear anodizing is a clear oxide coating that exemplifies an aluminum surface's natural oxide coating producing a hard, scratch resistant surface that is resistant to general wear and mild chemicals. The process provides a natural looking, virtually maintenance free finish that will endure for many years.

COLOR ANODIZING (Aluminum products only)

Color anodizing is an electrolytic process where, after standard anodizing procedures, colored metallic pigments penetrate the oxide surface pores producing a corrosion resistant, colorfast finish. The process results in a natural metallic appearance that requires little maintenance.

BRUSHED AND CLEAR COAT

Available on specific aluminum products (consult applicable product page for availability). Surface is brushed to achieve a scratch finish texture before being degreased and chemically cleaned. A clear lacquer coating is then applied to provide a durable protective finish.

#4 BRUSHED SATIN POLISHED (Stainless Steel products only)

Surface is polished to ASTM A480 #4 standard to achieve a bright durable finish that is resistant to mild chemicals and corrosion. A final coating is not required due to the inherent anti-corrosion properties of the stainless steel.

PRIME COAT

Prime coat provides a stable base for painting in the field. Surface pretreatment includes degreasing and a chemical cleaning before an alkyd prime coat is applied. After a thorough cleaning for dust, etc. that can contaminate the final finish and cause premature flaking or peeling, finish coat should be field applied as soon as possible.

PAINT PREPARED ALUMINUM (Aluminum products only)

Allows for field applied paint. Surface preparation includes degreasing and a chemical cleaning followed by a clean rinse. Finish coat should be field applied as soon as possible.

MILL FINISH

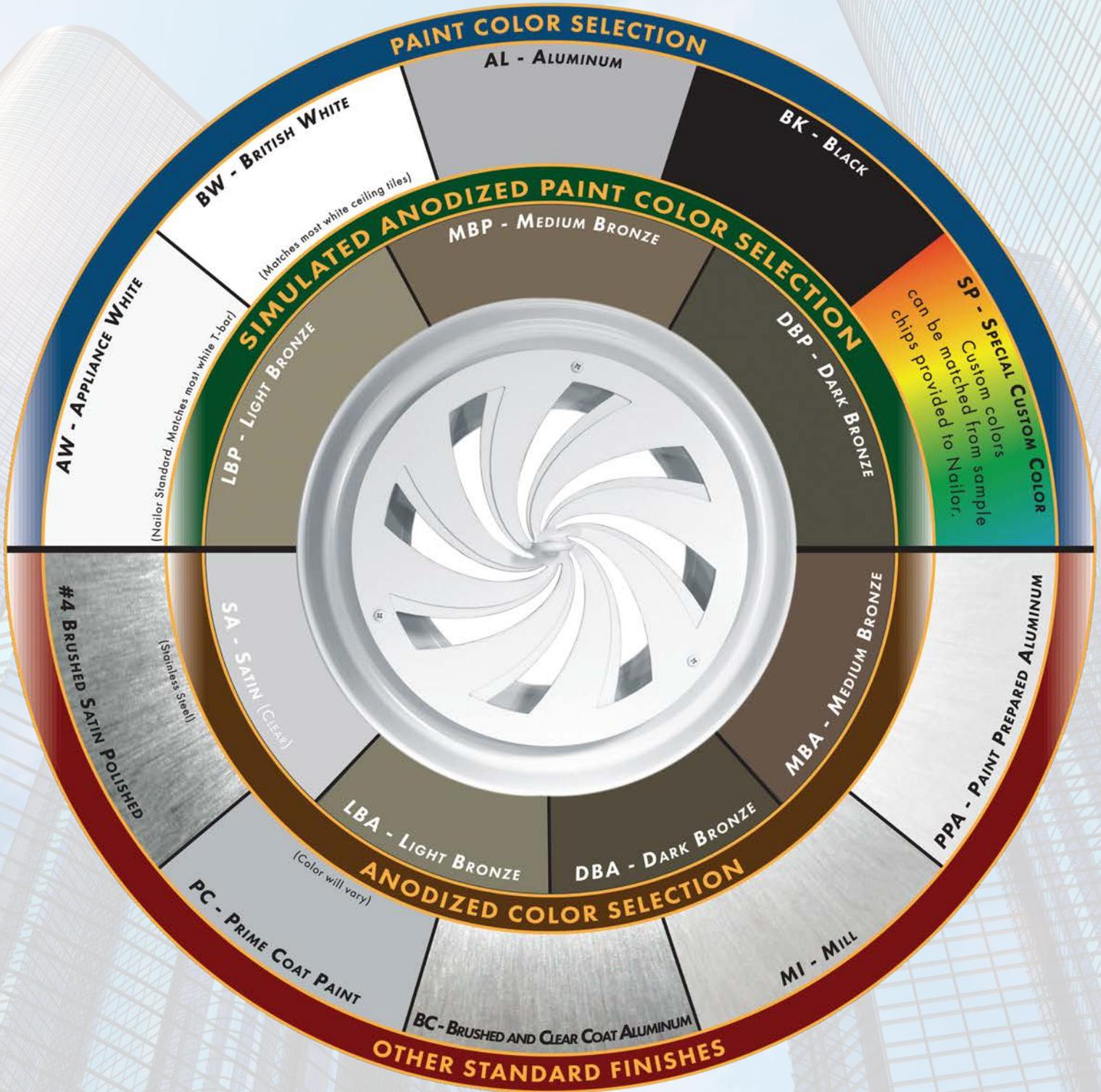
Surface is left untreated and requires cleaning, degreasing, etc. in the field before final finish can be applied if required.



Nailor[®]
Industries Inc.

STANDARD AND OPTIONAL FINISHES FOR GRILLES AND DIFFUSERS

The following standard colors and finishes are available on applicable Nailor air distribution products. Consult individual product pages for availability



The pictured finishes have been represented as best as possible within printing limitations. However, actual finish may vary. Contact your Nailor representative for a color chip sample on the material specified for a more accurate representation.

DBK - Black (for registers ordered with factory mounted dampers) - **BA** - Perforated Diffusers (4300 series only) Appliance White (AW) face with black back pan and pattern controllers.

"Complete Air Control and Distribution Solutions."

WGDSOF2015

www.nailor.com

PERFORMANCE DATA:

REVERSIBLE CORE GRILLES AND REGISTERS • 51RC SERIES

MODELS: 51RC, 51RCD

Listed Duct Size (inches)	Alternate Sizes (inches)	Core Area (sq. ft.)	Ak Factor	Core Velocity		200	300	400	500	600	700	800	900	1000
				Velocity	Pressure	.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
				Noise Criteria		-	-	-	-	18	23	27	30	33
				Throw	0°	2-5-10	5-7-13	7-9-16	8-12-18	10-14-20	11-15-21	12-16-23	14-17-24	15-18-25
22 1/2°	2-4-8	4-6-10	6-7-13		6-10-14	8-11-16	9-12-17	10-13-18	11-14-19	12-14-20				
8 x 6	10 x 5 12 x 4	0.27		CFM		54	81	108	135	162	189	216	243	270
				Noise Criteria		-	-	-	-	19	24	28	31	34
				Throw	0°	2-5-12	5-8-15	8-12-18	10-14-20	11-16-23	13-18-25	15-19-27	16-20-28	17-21-30
22 1/2°	2-4-10	4-6-12	6-10-14		8-11-16	9-13-18	10-14-20	12-15-22	13-16-22	14-17-24				
10 x 6	12 x 5 16 x 4	0.35		CFM		70	105	140	175	210	245	280	315	350
				Noise Criteria		-	-	-	15	20	25	29	32	35
				Throw	0°	3-6-14	6-9-18	9-13-21	10-16-24	12-19-26	15-20-28	17-21-30	19-22-31	20-23-33
22 1/2°	2-5-11	5-7-14	7-10-17		8-13-19	10-15-21	12-16-22	14-17-24	15-18-25	16-18-26				
8 x 8	14 x 5	0.38		CFM		76	114	152	190	228	266	304	342	380
				Noise Criteria		-	-	-	16	21	26	30	33	36
				Throw	0°	3-6-15	6-9-19	9-14-22	11-16-25	13-19-27	16-21-29	18-22-32	18-23-32	19-24-34
22 1/2°	2-5-12	5-7-15	7-11-18		9-13-20	10-15-22	13-17-23	14-18-26	14-18-26	15-19-27				
12 x 6	18 x 4	0.42		CFM		84	126	168	210	252	294	336	378	420
				Noise Criteria		-	-	-	16	21	26	30	33	36
				Throw	0°	3-6-15	6-9-19	9-14-22	11-16-25	13-19-27	16-21-30	18-22-32	18-23-32	19-11-16
22 1/2°	2-5-12	5-7-15	7-11-18		9-13-20	10-15-22	13-17-24	14-18-26	14-18-26	15-19-27				
14 x 6	10 x 8	0.50		CFM		100	150	200	250	300	350	400	450	500
				Noise Criteria		-	-	-	17	22	27	31	34	37
				Throw	0°	3-7-16	6-11-20	10-15-23	12-18-25	15-20-28	16-22-31	19-23-33	20-24-34	21-25-36
22 1/2°	2-6-13	5-9-16	8-12-18		10-14-20	12-16-22	13-18-25	15-18-26	16-19-27	17-20-29				
12 x 8	16 x 6 24 x 4	0.58		CFM		116	174	232	290	348	406	464	522	580
				Noise Criteria		-	-	-	18	23	28	32	35	38
				Throw	0°	3-7-17	7-11-21	10-15-24	12-19-27	15-21-30	17-23-32	20-24-34	21-26-36	22-27-38
22 1/2°	2-6-14	6-9-17	8-12-19		10-15-22	12-17-24	14-18-26	16-19-27	17-21-29	18-22-30				
10 x 10	14 x 7 26 x 4	0.61		CFM		122	183	244	305	366	427	488	549	610
				Noise Criteria		-	-	-	18	23	28	32	35	38
				Throw	0°	3-7-17	7-11-21	10-16-24	13-19-28	16-21-30	17-23-32	20-24-35	22-27-37	23-28-39
22 1/2°	2-6-14	6-9-17	8-13-19		10-15-22	13-17-24	14-18-26	16-19-28	18-22-30	18-22-31				
18 x 6	14 x 8 28 x 4 30 x 4	0.65		CFM		130	195	260	325	390	455	520	585	650
				Noise Criteria		-	-	-	19	24	29	33	36	39
				Throw	0°	3-8-18	7-12-22	11-16-25	13-20-29	16-22-32	18-24-34	21-25-36	23-27-38	24-29-40
22 1/2°	2-6-14	6-10-18	9-13-20		10-16-23	13-18-26	14-19-27	17-20-29	18-22-30	19-23-32				
12 x 10	20 x 6 24 x 5	0.74		CFM		148	222	296	370	444	518	592	666	740
				Noise Criteria		-	-	-	19	24	29	33	36	39
				Throw	0°	4-8-19	8-13-24	11-17-27	14-21-31	17-24-33	20-26-36	22-27-39	24-29-41	25-31-43
22 1/2°	3-6-15	6-10-19	9-14-22		11-17-25	14-19-26	16-21-29	18-22-31	19-23-33	20-25-34				
22 x 6	16 x 8 28 x 5 36 x 4	0.80		CFM		160	240	320	400	480	560	640	720	800
				Noise Criteria		-	-	-	20	25	30	34	37	40
				Throw	0°	4-8-20	8-13-25	11-18-28	15-22-32	18-25-35	20-27-38	23-28-41	25-30-43	26-32-45
22 1/2°	3-6-16	6-10-20	9-14-22		12-18-26	14-20-28	16-22-30	18-22-33	20-24-34	21-26-36				
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
				Noise Criteria		-	-	-	20	25	30	34	37	40
				Throw	0°	4-9-21	9-14-26	12-18-29	15-23-33	18-26-36	21-27-39	24-29-42	26-31-45	27-33-47
22 1/2°	3-7-17	7-11-21	10-14-23		12-18-26	14-21-29	17-22-31	19-23-34	21-25-36	22-26-38				
					45°	1-4-10	5-7-13	6-9-15	8-12-17	9-13-18	11-14-20	12-15-21	13-15-22	14-17-24

GRILLES AND REGISTERS

F

For performance data notes, see F137.

PERFORMANCE DATA:

REVERSIBLE CORE GRILLES AND REGISTERS • 51RC SERIES

MODELS: 51RC, 51RCD

Listed Duct Size (inches)	Alternate Sizes (inches)	Core Area (sq. ft.)	Ak Factor	Core Velocity		200	300	400	500	600	700	800	900	1000
				Velocity Pressure		.003	.006	.010	.016	.022	.031	.040	.051	.062
				Total Pressure	0° 22 1/2° 45°	.007 .008 .013	.016 .019 .029	.029 .033 .051	.045 .052 .079	.065 .075 .113	.089 .102 .156	.117 .134 .205	.147 .169 .258	.181 .209 .318
18 x 10	30 x 6	1.13		CFM		226	339	452	565	678	791	904	1017	1130
				Noise Criteria		-	-	-	21	26	31	35	38	41
				Throw	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	30-36-51 24-29-41 15-18-26
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
				Noise Criteria		-	-	-	21	26	31	35	38	41
				Throw	0° 22 1/2° 45°	5-12-26 4-10-21 2-6-13	11-18-33 9-14-26 6-9-17	16-25-39 13-20-31 8-13-20	20-29-42 16-23-34 10-15-21	24-33-47 19-26-38 12-17-24	27-36-51 22-29-41 14-18-26	31-39-54 25-31-43 16-20-27	33-40-57 26-32-46 16-20-28	35-42-60 28-34-48 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
				Noise Criteria		-	-	15	22	27	32	36	39	42
				Throw	0° 22 1/2° 45°	5-12-26 4-10-21 2-6-13	11-18-33 9-14-26 6-9-17	16-25-39 13-20-31 8-13-20	20-30-43 16-24-34 10-15-22	24-33-47 19-26-38 12-17-24	28-36-51 22-29-41 14-18-26	32-39-54 26-31-43 16-20-27	33-41-58 26-32-46 16-20-29	35-43-61 28-34-49 18-22-31
24 x 10	20 x 12 30 x 8	1.52		CFM		304	456	608	760	912	1064	1216	1368	1520
				Noise Criteria		-	-	15	22	27	32	36	39	42
				Throw	0° 22 1/2° 45°	6-12-28 5-10-22 3-6-14	12-19-35 10-15-28 6-10-18	16-25-41 13-20-33 8-13-21	21-32-45 17-26-36 11-16-23	25-35-50 20-28-40 13-18-25	29-38-53 23-30-42 15-19-27	34-41-57 27-33-46 17-21-29	35-43-61 28-34-49 17-21-30	37-45-65 30-36-51 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
				Noise Criteria		-	-	15	22	27	32	36	39	42
				Throw	0° 22 1/2° 45°	6-13-30 5-10-24 3-6-15	12-20-37 10-16-30 6-10-19	17-26-42 14-21-34 9-13-21	22-32-47 18-26-38 11-16-24	26-37-51 21-30-41 13-19-26	31-40-56 25-32-45 16-20-28	35-42-59 28-34-47 18-21-30	37-45-64 30-36-51 18-22-32	39-47-67 31-38-54 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
				Noise Criteria		-	-	16	23	28	33	37	40	43
				Throw	0° 22 1/2° 45°	6-13-30 5-10-24 3-6-15	12-20-38 10-16-30 6-10-19	18-27-44 14-22-35 9-14-22	22-33-48 18-26-38 11-17-24	27-38-54 22-30-43 14-19-27	32-40-58 26-32-46 16-20-29	36-44-62 29-35-50 18-22-31	38-46-65 30-37-52 19-23-32	40-48-69 32-38-55 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
				Noise Criteria		-	-	16	23	28	33	37	40	43
				Throw	0° 22 1/2° 45°	6-14-32 5-11-26 3-7-16	13-21-40 10-17-32 7-11-20	19-29-47 15-23-38 10-15-24	24-36-52 19-29-42 12-18-26	29-40-57 23-32-46 15-20-29	33-43-62 26-34-50 17-22-31	38-47-66 30-38-53 19-24-33	40-49-70 32-39-66 20-24-35	42-52-74 34-42-59 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
				Noise Criteria		-	-	17	24	29	34	38	41	44
				Throw	0° 22 1/2° 45°	7-15-34 6-12-27 3-7-17	14-23-43 11-18-34 7-12-22	21-31-50 17-25-40 11-16-25	26-39-56 21-31-45 13-20-28	31-43-61 25-34-49 16-22-31	36-47-67 29-38-54 18-24-34	41-50-71 33-40-57 21-25-36	44-53-75 35-42-60 22-26-37	46-56-79 32-45-63 23-28-40
24 x 16	32 x 12	2.50		CFM		500	750	1000	1250	1500	1750	2000	2250	2500
				Noise Criteria		-	-	17	24	29	34	38	41	44
				Throw	0° 22 1/2° 45°	7-16-36 6-13-29 3-8-18	14-24-45 11-19-36 7-12-23	22-32-52 18-26-42 11-16-26	27-40-58 22-32-46 14-20-29	32-45-64 26-36-51 16-23-32	37-49-68 30-39-54 19-25-34	43-52-74 34-42-59 22-26-37	46-55-78 37-44-62 23-27-39	48-58-82 38-46-66 24-29-41
20 x 20	22 x 18	2.61		CFM		522	783	1044	1305	1566	1827	2088	2349	2610
				Noise Criteria		-	-	17	24	29	34	38	41	44
				Throw	0° 22 1/2° 45°	7-16-37 6-13-30 3-8-18	15-24-46 12-19-37 8-12-23	22-32-53 18-26-42 11-16-27	27-41-59 22-33-47 14-21-30	32-46-65 26-37-52 16-23-33	38-50-70 30-40-56 19-25-35	44-53-75 36-44-62 22-27-38	46-56-80 37-45-64 23-28-40	49-59-84 39-47-67 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
				Noise Criteria		-	-	17	24	29	34	38	41	44
				Throw	0° 22 1/2° 45°	7-16-38 6-13-30 3-8-19	15-25-48 12-20-38 8-13-24	23-34-55 18-27-44 12-17-28	28-42-61 22-34-49 14-21-31	34-48-68 27-38-54 17-24-34	4-51-73 32-41-58 20-26-37	45-55-77 36-44-62 23-28-39	47-58-82 38-46-66 23-29-41	50-61-86 40-49-69 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
				Noise Criteria		-	-	18	25	30	35	39	42	45
				Throw	0° 22 1/2° 45°	8-18-40 6-14-32 4-9-20	17-27-50 14-22-40 9-14-25	24-36-58 19-29-46 12-18-29	29-45-65 23-36-52 15-23-33	36-50-71 29-40-57 18-25-36	42-54-77 34-43-62 21-27-39	47-58-82 38-46-66 24-29-41	50-62-82 40-50-70 25-31-43	53-65-92 42-52-74 27-33-46

For performance data notes, see F137.

PERFORMANCE DATA:

REVERSIBLE CORE GRILLES AND REGISTERS • 51RC SERIES

MODELS: 51RC, 51RCD

Listed Duct Size (inches)	Alternate Sizes (inches)	Core Area (sq. ft.)	Ak Factor	Core Velocity		200	300	400	500	600	700	800	900	1000
				Velocity	Pressure	.003	.006	.010	.016	.022	.031	.040	.051	.062
42 x 12	36 x 14	3.27	1.95 1.81 1.68	CFM	0°	.007	.016	.029	.045	.065	.089	.117	.147	.181
				Noise Criteria	22 1/2°	.008	.019	.033	.052	.075	.102	.134	.169	.209
				Throw	45°	.013	.029	.051	.079	.113	.156	.205	.258	.318
30 x 18	24 x 22 34 x 16 40 x 14	3.54	2.10 1.95 1.81	CFM	0°	.007	.016	.029	.045	.065	.089	.117	.147	.181
				Noise Criteria	22 1/2°	.008	.019	.033	.052	.075	.102	.134	.169	.209
				Throw	45°	.013	.029	.051	.079	.113	.156	.205	.258	.318
24 x 24	26 x 22 28 x 20 32 x 18 36 x 16	3.79	2.25 2.09 1.93	CFM	0°	.007	.016	.029	.045	.065	.089	.117	.147	.181
				Noise Criteria	22 1/2°	.008	.019	.033	.052	.075	.102	.134	.169	.209
				Throw	45°	.013	.029	.051	.079	.113	.156	.205	.258	.318
36 x 18	32 x 20 40 x 16 46 x 14	4.29	2.53 2.36 2.18	CFM	0°	.007	.016	.029	.045	.065	.089	.117	.147	.181
				Noise Criteria	22 1/2°	.008	.019	.033	.052	.075	.102	.134	.169	.209
				Throw	45°	.013	.029	.051	.079	.113	.156	.205	.258	.318
26 x 26	28 x 24 48 x 14	4.47	2.62 2.44 2.25	CFM	0°	.007	.016	.029	.045	.065	.089	.117	.147	.181
				Noise Criteria	22 1/2°	.008	.019	.033	.052	.075	.102	.134	.169	.209
				Throw	45°	.013	.029	.051	.079	.113	.156	.205	.258	.318
30 x 24	32 x 22 36 x 20 40 x 18	4.77	2.81 2.62 2.42	CFM	0°	.007	.016	.029	.045	.065	.089	.117	.147	.181
				Noise Criteria	22 1/2°	.008	.019	.033	.052	.075	.102	.134	.169	.209
				Throw	45°	.013	.029	.051	.079	.113	.156	.205	.258	.318
28 x 28	30 x 26 36 x 22 40 x 20	5.20	3.09 2.88 2.66	CFM	0°	.007	.016	.029	.045	.065	.089	.117	.147	.181
				Noise Criteria	22 1/2°	.008	.019	.033	.052	.075	.102	.134	.169	.209
				Throw	45°	.013	.029	.051	.079	.113	.156	.205	.258	.318
36 x 24	40 x 22 44 x 20	5.74	3.38 3.15 2.91	CFM	0°	.007	.016	.029	.045	.065	.089	.117	.147	.181
				Noise Criteria	22 1/2°	.008	.019	.033	.052	.075	.102	.134	.169	.209
				Throw	45°	.013	.029	.051	.079	.113	.156	.205	.258	.318
42 x 24	36 x 28 42 x 24 46 x 22	6.72	3.95 3.68 3.40	CFM	0°	.007	.016	.029	.045	.065	.089	.117	.147	.181
				Noise Criteria	22 1/2°	.008	.019	.033	.052	.075	.102	.134	.169	.209
				Throw	45°	.013	.029	.051	.079	.113	.156	.205	.258	.318
36 x 30	38 x 28	7.22	4.23 3.94 3.64	CFM	0°	.007	.016	.029	.045	.065	.089	.117	.147	.181
				Noise Criteria	22 1/2°	.008	.019	.033	.052	.075	.102	.134	.169	.209
				Throw	45°	.013	.029	.051	.079	.113	.156	.205	.258	.318
48 x 24	34 x 34 36 x 32 38 x 30 42 x 28	7.69	4.51 4.20 3.88	CFM	0°	.007	.016	.029	.045	.065	.089	.117	.147	.181
				Noise Criteria	22 1/2°	.008	.019	.033	.052	.075	.102	.134	.169	.209
				Throw	45°	.013	.029	.051	.079	.113	.156	.205	.258	.318

Performance Notes:

1. All pressures are in inches w.g..
2. Core Velocity is in feet per minute.
3. Tabulated data includes opposed opposed blade damper. Without OBD, multiply Total Pressure (TP) by x 0.8. Subtract 4 Noise Criteria (NC) from the Noise Criteria value shown.
4. Throw values are given for terminal velocities

- of 150, 100 and 50 fpm under isothermal conditions.
5. Noise Criteria (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.
6. When used as a return grille, the negative static pressure is obtained by multiplying the

- tabulated Total Pressure @ 0° deflection by x 0.8. Add 4 Noise Criteria to the Noise Criteria value shown.
7. Noise Criteria (NC) values are based on a room absorption of 10 dB, re 10⁻¹² watts. Dash (-) in space denotes a Noise Criteria level of less than 15.
8. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2023.