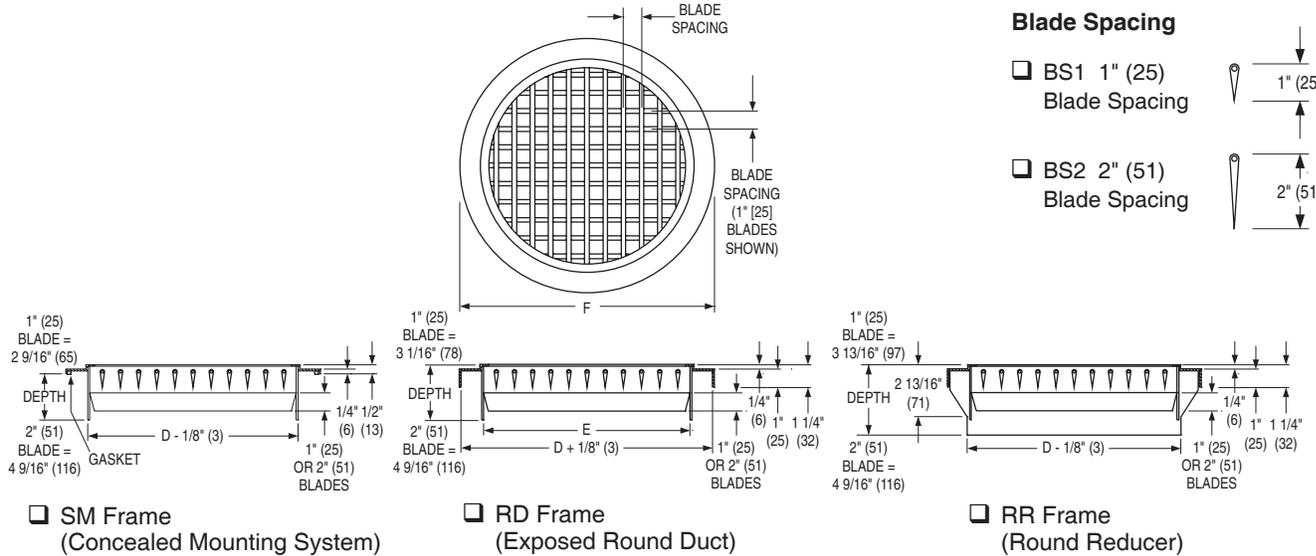




ROUND DOUBLE DEFLECTION GRILLE
ALUMINUM • ADJUSTABLE VERTICAL & HORIZONTAL
BLADES • ROUND NECK
MODEL: RDDG



Nom. Size	SM Frame		RD Frame †			RR Frame	
	D	F	D	E	F	D	F
** 6 (152)	6 (152)	8 1/4 (210)	8 (203)	6 (152)	8 1/4 (210)	6 (152)	8 1/4 (210)
8 (203)	8 (203)	10 1/4 (260)	10 (254)	8 (203)	10 1/4 (260)	8 (203)	10 1/4 (260)
10 (254)	10 (254)	12 1/4 (311)	12 (305)	10 (254)	12 1/4 (311)	10 (254)	12 1/4 (311)
12 (305)	12 (305)	14 1/4 (362)	14 (356)	12 (305)	14 1/4 (362)	12 (305)	14 1/4 (362)
14 (356)	14 (356)	16 1/4 (413)	16 (406)	14 (356)	16 1/4 (413)	14 (356)	16 1/4 (413)
16 (406)	16 (406)	18 1/4 (464)	18 (457)	16 (406)	18 1/4 (464)	16 (406)	18 1/4 (464)
18 (457)	18 (457)	20 1/4 (514)	20 (508)	18 (457)	20 1/4 (514)	18 (457)	20 1/4 (514)
20 (508)	20 (508)	22 1/4 (565)	22 (559)	20 (508)	22 1/4 (565)	20 (508)	22 1/4 (565)
22 (559)	22 (559)	24 1/4 (616)	24 (610)	22 (559)	24 1/4 (616)	22 (559)	24 1/4 (616)
24 (610)	24 (610)	26 1/4 (667)	26 (660)	24 (610)	26 1/4 (667)	24 (610)	26 1/4 (667)
***30 (762)	30 (762)	32 1/4 (819)	32 (813)	30 (762)	32 1/4 (819)	—	—

Note:
 † The RD frame model nominal size is 2" (51) smaller than the duct size it mounts to.
 Example: A size 10 mounts on a 12" (305) duct.

Size 6 not available with 2" (51) spacing. *Size 30 not available on all frames with 1" (25) spacing or on optional RR frame with 2" (51) spacing. Inches are measured to the nearest 1/16" (2).

DESCRIPTION:

1. Material: Aluminum construction with extruded airfoil blades with 1" or 2" (25 or 51) blade spacing depending on model and frame choice. See chart.
2. Model RDDG Round Double Deflection Grille is a contemporary air distribution grille with architectural appeal. It combines versatility and the modern esthetics of a flowing circular design with superior performance and high quality. The individually adjustable front and rear blades are designed so the air stream can be adjusted from a concentrated column of air to a conical widespread diffusion pattern. The versatility of the RDDG makes it suitable for applications requiring high velocity spot cooling or a dispersed airflow projection.
3. Frame Type SM – Concealed mounting system. Mounting ring and screws are included.
 Frame Type RD – Frame slides cleanly over end of exposed duct work. Mounting screws are included.
 Frame Type RR – Frame slides cleanly into end of exposed duct work. Mounting screws are included.
4. Standard finish is AW Appliance White.

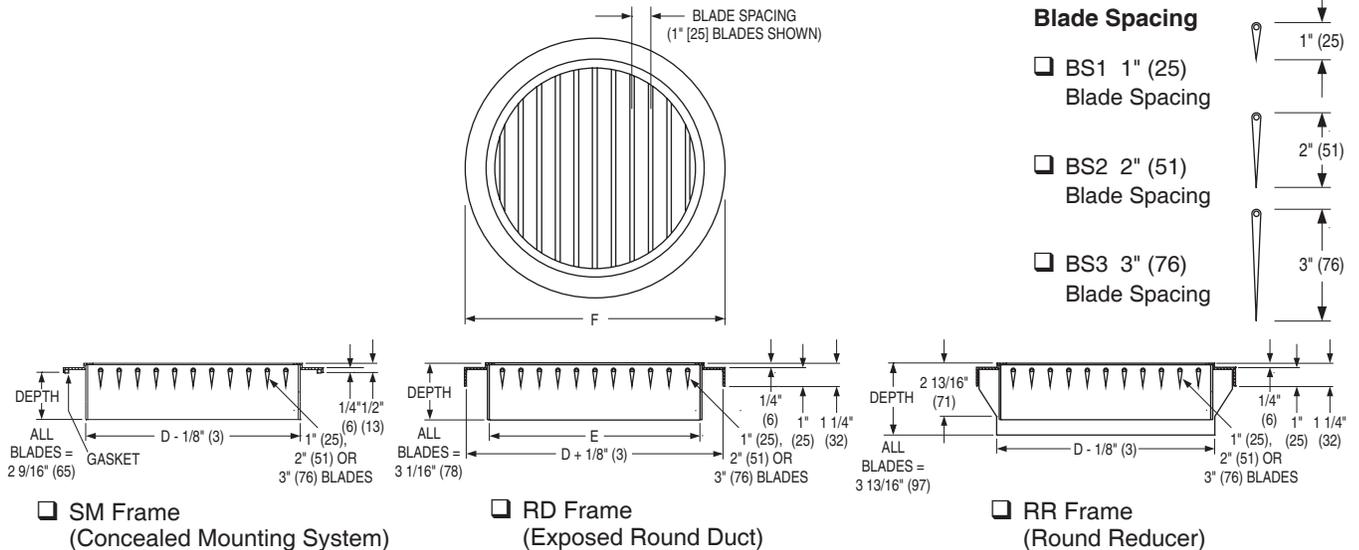
OPTIONS:

- Frame:
- SM Surface Mount (Wall/Ceiling)
 - RD Exposed Round Duct
 - RR Round Reducer
- Finish:
- SP Special. Specify: _____

SCHEDULE TYPE		Dimensions are in inches (mm).			
PROJECT					
ENGINEER	DATE	B SERIES	SUPERSEDES	DRAWING NO.	
CONTRACTOR	1 - 30 - 19	RDDG	11 - 29 - 18	RDDG-1	



ROUND SINGLE DEFLECTION GRILLE
 ALUMINUM • ADJUSTABLE VERTICAL & HORIZONTAL
 BLADES • ROUND NECK
MODEL: RSDG



Nom. Size	SM Frame		RD Frame †			RR Frame	
	D	F	D	E	F	D	F
** 6 (152)	6 (152)	8 1/4 (210)	8 (203)	6 (152)	8 1/4 (210)	6 (152)	8 1/4 (210)
* 8 (203)	8 (203)	10 1/4 (260)	10 (254)	8 (203)	10 1/4 (260)	8 (203)	10 1/4 (260)
* 10 (254)	10 (254)	12 1/4 (311)	12 (305)	10 (254)	12 1/4 (311)	10 (254)	12 1/4 (311)
* 12 (305)	12 (305)	14 1/4 (362)	14 (356)	12 (305)	14 1/4 (362)	12 (305)	14 1/4 (362)
* 14 (356)	14 (356)	16 1/4 (413)	16 (406)	14 (356)	16 1/4 (413)	14 (356)	16 1/4 (413)
16 (406)	16 (406)	18 1/4 (464)	18 (457)	16 (406)	18 1/4 (464)	16 (406)	18 1/4 (464)
18 (457)	18 (457)	20 1/4 (514)	20 (508)	18 (457)	20 1/4 (514)	18 (457)	20 1/4 (514)
20 (508)	20 (508)	22 1/4 (565)	22 (559)	20 (508)	22 1/4 (565)	20 (508)	22 1/4 (565)
22 (559)	22 (559)	24 1/4 (616)	24 (610)	22 (559)	24 1/4 (616)	22 (559)	24 1/4 (616)
24 (610)	24 (610)	26 1/4 (667)	26 (660)	24 (610)	26 1/4 (667)	24 (610)	26 1/4 (667)
*** 30 (762)	30 (762)	32 1/4 (819)	32 (813)	30 (762)	32 1/4 (819)	—	—

Note:
 † The RD frame model nominal size is 2" (51) smaller than the duct size it mounts to.
 Example: A size 10 mounts on a 12" (305) duct.

*Sizes 6 to 14 not available with 3" (76) spacing. **Size 6 not available with 2" (51) spacing. ***Size 30 not available on all frames with 1" (25) spacing or on optional RR frame with 2" (51) spacing. Inches are measured to the nearest 1/16" (2).

DESCRIPTION:

- Material: Aluminum construction with extruded airfoil blades with 1", 2" or 3" (25, 51 or 76) blade spacing depending on model and frame choice. See chart.
- Model RSDG Round Single Deflection Grille is a contemporary air distribution grille with architectural appeal. It combines versatility and the modern esthetics of a flowing circular design with superior performance and high quality. The individually adjustable blades are designed so the air stream can be adjusted from a concentrated column of air to a conical widespread diffusion pattern. The versatility of the RSDG makes it suitable for applications requiring high velocity spot cooling or a dispersed airflow projection.
- Frame Type SM –
 Concealed mounting system. Mounting ring and screws are included.
 Frame Type RD –
 Frame slides cleanly over end of exposed duct work. Mounting screws are included.
 Frame Type RR –
 Frame slides cleanly into end of exposed duct work. Mounting screws are included.
- Standard finish is AW Appliance White.

OPTIONS:

- Frame:
- SM Surface Mount (Wall/Ceiling)
 - RD Exposed Round Duct
 - RR Round Reducer
- Finish:
- SP Special. Specify: _____

SCHEDULE TYPE					Dimensions are in inches (mm).			
PROJECT								
ENGINEER			DATE	B SERIES	SUPERSEDES	DRAWING NO.		
CONTRACTOR			1 - 30 - 19	RSDG	11 - 29 - 18	RSDG-1		

PERFORMANCE DATA:

MODEL RDDG • BS1 - 1" (25) BLADE SPACING

Nominal Size	Duct Velocity Velocity Pressure	400 0.010	600 0.022	800 0.040	1000 0.062	1200 0.090	1400 0.122	1600 0.160
6	Airflow, CFM	79	118	157	196	236	275	314
	Static Pressure	0.023	0.052	0.081	0.148	0.205	0.282	0.358
	Noise Criteria	<15	<15	18	26	32	38	43
	Throw	6-12-24	8-16-32	10-18-30	12-20-36	16-26-38	20-28-42	22-30-44
8	Airflow, CFM	140	209	279	349	419	489	559
	Static Pressure	0.018	0.042	0.074	0.117	0.167	0.228	0.295
	Noise Criteria	<15	<15	16	24	30	36	41
	Throw	7-14-28	10-20-34	14-28-42	18-32-46	22-36-50	26-38-52	26-42-58
10	Airflow, CFM	218	327	436	545	655	764	873
	Static Pressure	0.016	0.037	0.065	0.102	0.146	0.200	0.260
	Noise Criteria	<15	<15	15	23	29	35	39
	Throw	8-16-30	10-20-40	18-34-48	22-40-58	26-44-60	32-48-66	38-52-72
12	Airflow, CFM	314	471	628	786	943	1100	1257
	Static Pressure	0.015	0.034	0.059	0.094	0.133	0.183	0.237
	Noise Criteria	<15	<15	15	22	28	34	38
	Throw	9-18-36	15-30-52	20-40-60	26-48-68	32-52-76	36-58-84	42-62-96
14	Airflow, CFM	428	641	855	1069	1283	1497	1711
	Static Pressure	0.014	0.032	0.056	0.085	0.127	0.171	0.223
	Noise Criteria	<15	<15	15	22	28	34	38
	Throw	10-20-40	18-36-60	22-44-70	30-56-78	38-62-90	44-66-96	48-72-106
16	Airflow, CFM	559	838	1117	1396	1676	1955	2234
	Static Pressure	0.014	0.030	0.053	0.084	0.120	0.163	0.212
	Noise Criteria	<15	<15	15	22	28	34	38
	Throw	12-24-48	18-36-68	28-56-84	36-65-92	44-70-104	52-78-110	58-82-116
18	Airflow, CFM	707	1060	1414	1767	2121	2474	2828
	Static Pressure	0.013	0.030	0.051	0.080	0.115	0.158	0.205
	Noise Criteria	<15	<15	16	23	29	35	39
	Throw	14-28-56	22-44-78	32-64-92	40-74-104	52-80-114	58-86-122	65-92-130
20	Airflow, CFM	873	1309	1746	2182	2618	3055	3491
	Static Pressure	0.013	0.029	0.050	0.078	0.112	0.152	0.197
	Noise Criteria	<15	<15	16	23	29	35	39
	Throw	16-32-64	26-52-88	35-68-104	45-80-114	56-88-128	66-96-136	72-100-145
22	Airflow, CFM	1056	1584	2112	2640	3168	3696	4224
	Static Pressure	0.012	0.028	0.048	0.076	0.108	0.148	0.192
	Noise Criteria	<15	<15	17	24	30	36	40
	Throw	16-34-68	28-56-96	38-74-110	48-88-126	60-98-142	74-110-156	78-112-160
24	Airflow, CFM	1257	1885	2514	3142	3770	4399	5027
	Static Pressure	0.012	0.027	0.047	0.075	0.107	0.144	0.189
	Noise Criteria	<15	<15	18	25	32	37	41
	Throw	18-36-72	30-60-105	42-86-122	52-96-136	65-108-150	75-114-160	84-122-168

Performance Notes:

- AIRFLOW CFM:** Standard air density and isothermal conditions.
- STATIC PRESSURE:** Inches of water gauge required.
- NOISE CRITERIA:** Noise Criteria [NC] curve which is not exceeded with a Room Attenuation of 10 dB and based on Sound Power Level, re 10⁻¹² watts.
- THROW:** Projection distance in feet from outlet at which the maximum velocity has reduced to 200, 100 and 50 fpm respectively.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2023.

Correction Factors for Various Deflection Angles					
Deflection Angle	0°	10°	20°	30°	40°
Total Pressure [times]	1.0	1.2	1.4	1.9	2.4
Throw Projection [times]	1.0	0.9	0.8	0.7	0.6
Noise Criteria - NC [add]	+0	+3	+7	+11	+16

PERFORMANCE DATA:

MODEL RDDG • BS2 - 2" (51) BLADE SPACING

Nominal Size	Duct Velocity Velocity Pressure	400 0.010	600 0.022	800 0.040	1000 0.062	1200 0.090	1400 0.122	1600 0.160
8	Airflow, CFM	140	209	279	349	419	489	559
	Static Pressure	0.015	0.035	0.062	0.099	0.141	0.193	0.250
	Noise Criteria	<15	<15	<15	20	26	32	37
	Throw	5-10-20	8-16-27	11-21-32	14-25-36	17-28-39	20-30-41	21-32-45
10	Airflow, CFM	218	327	436	545	655	764	873
	Static Pressure	0.013	0.031	0.055	0.086	0.124	0.170	0.221
	Noise Criteria	<15	<15	15	19	25	31	35
	Throw	6-12-24	9-17-32	14-26-37	17-31-45	21-34-47	25-37-52	29-40-56
12	Airflow, CFM	314	471	628	786	943	1100	1257
	Static Pressure	0.013	0.029	0.051	0.081	0.115	0.159	0.206
	Noise Criteria	<15	<15	15	19	25	31	35
	Throw	7-15-30	12-24-40	16-33-47	20-37-53	25-41-59	29-45-65	33-48-74
14	Airflow, CFM	428	641	855	1069	1283	1497	1711
	Static Pressure	0.012	0.028	0.050	0.076	0.114	0.153	0.200
	Noise Criteria	<15	<15	<15	20	26	32	36
	Throw	8-18-37	14-28-47	18-38-55	23-44-61	30-48-70	34-52-74	38-56-83
16	Airflow, CFM	559	838	1117	1396	1676	1955	2234
	Static Pressure	0.013	0.027	0.049	0.078	0.111	0.151	0.197
	Noise Criteria	<15	<15	<15	21	27	33	37
	Throw	10-20-40	15-30-53	22-44-65	28-50-72	34-54-80	40-60-85	45-64-90
18	Airflow, CFM	707	1060	1414	1767	2121	2474	2828
	Static Pressure	0.012	0.028	0.048	0.076	0.109	0.150	0.194
	Noise Criteria	<15	<15	16	23	29	35	39
	Throw	11-22-44	18-36-61	25-50-72	31-57-80	40-63-89	45-67-95	50-71-101
20	Airflow, CFM	873	1309	1746	2182	2618	3055	3491
	Static Pressure	0.012	0.027	0.047	0.074	0.106	0.144	0.187
	Noise Criteria	<15	<15	16	23	29	35	39
	Throw	12-24-49	20-40-68	27-53-80	35-63-89	44-68-99	51-74-105	56-78-112
22	Airflow, CFM	1056	1584	2112	2640	3168	3696	4224
	Static Pressure	0.011	0.026	0.045	0.072	0.102	0.140	0.182
	Noise Criteria	<15	<15	17	24	30	36	40
	Throw	13-27-54	22-44-74	30-57-85	37-68-98	47-76-110	57-85-120	60-87-123
24	Airflow, CFM	1257	1885	2514	3142	3770	4399	5027
	Static Pressure	0.011	0.025	0.044	0.071	0.101	0.136	0.179
	Noise Criteria	<15	<15	18	25	32	37	41
	Throw	14-29-60	24-48-81	33-66-95	41-75-106	50-84-116	58-88-124	66-95-130
30	Airflow, CFM	1960	2940	3920	4900	5880	6860	7840
	Static Pressure	0.011	0.027	0.044	0.077	0.110	0.0143	0.176
	Noise Criteria	<15	<15	16	23	28	34	38
	Throw	17-34-69	30-60-102	41-82-123	50-90-129	60-101-141	69-107-150	78-116-157

Performance Notes:

- AIRFLOW CFM:** Standard air density and isothermal conditions.
- STATIC PRESSURE:** Inches of water gauge required.
- NOISE CRITERIA:** Noise Criteria [NC] curve which is not exceeded with a Room Attenuation of 10 dB and based on Sound Power Level, re 10⁻¹² watts.
- THROW:** Projection distance in feet from outlet at which the maximum velocity has reduced to 200, 100 and 50 fpm respectively.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2023.

Correction Factors for Various Deflection Angles					
Deflection Angle	0°	10°	20°	30°	40°
Total Pressure [times]	1.0	1.1	1.2	1.7	2.1
Throw Projection [times]	1.0	0.9	0.8	0.7	0.6
Noise Criteria - NC [add]	+0	+2	+5	+8	+12

PERFORMANCE DATA:

MODEL RSDG • BS1 - 1" (25) BLADE SPACING

Nominal Size	Duct Velocity Velocity Pressure	400 0.010	600 0.022	800 0.040	1000 0.062	1200 0.090	1400 0.122	1600 0.160
6	Airflow, CFM	79	118	157	196	236	275	314
	Static Pressure	0.021	0.047	0.073	0.133	0.185	0.254	0.322
	Noise Criteria	<15	<15	15	23	29	35	40
	Throw	4-8-15	6-12-21	8-14-24	10-16-28	13-21-30	15-22-32	17-24-34
8	Airflow, CFM	140	209	279	349	419	489	559
	Static Pressure	0.016	0.038	0.067	0.105	0.150	0.205	0.266
	Noise Criteria	<15	<15	<15	21	27	33	38
	Throw	5-10-20	8-16-27	11-21-32	14-25-36	17-28-39	20-30-41	21-32-45
10	Airflow, CFM	218	327	436	545	655	764	873
	Static Pressure	0.014	0.033	0.059	0.092	0.131	0.180	0.234
	Noise Criteria	<15	<15	<15	20	26	32	36
	Throw	6-12-24	9-17-32	14-26-37	17-31-45	21-34-47	25-37-52	29-40-56
12	Airflow, CFM	314	471	628	786	943	1100	1257
	Static Pressure	0.014	0.031	0.053	0.085	0.120	0.165	0.213
	Noise Criteria	<15	<15	<15	19	25	31	35
	Throw	7-15-30	12-24-40	16-33-47	20-37-53	25-41-59	29-45-65	33-48-74
14	Airflow, CFM	428	641	855	1069	1283	1497	1711
	Static Pressure	0.013	0.029	0.050	0.077	0.114	0.154	0.201
	Noise Criteria	<15	<15	<15	19	25	31	35
	Throw	8-18-37	14-28-47	18-38-55	23-44-61	30-48-70	34-52-74	38-56-83
16	Airflow, CFM	559	838	1117	1396	1676	1955	2234
	Static Pressure	0.013	0.027	0.048	0.076	0.108	0.147	0.191
	Noise Criteria	<15	<15	<15	19	25	31	35
	Throw	10-20-40	15-30-53	22-44-65	28-50-72	34-54-80	40-60-85	45-64-90
18	Airflow, CFM	707	1060	1414	1767	2121	2474	2828
	Static Pressure	0.012	0.027	0.046	0.072	0.104	0.142	0.185
	Noise Criteria	<15	<15	<15	20	26	32	36
	Throw	11-22-44	18-36-61	25-50-72	31-57-80	40-63-89	45-67-95	50-71-101
20	Airflow, CFM	873	1309	1746	2182	2618	3055	3491
	Static Pressure	0.012	0.026	0.045	0.070	0.101	0.137	0.177
	Noise Criteria	<15	<15	<15	20	26	32	36
	Throw	12-24-49	20-40-68	27-53-80	35-63-89	44-68-99	51-74-105	56-78-112
22	Airflow, CFM	1056	1584	2112	2640	3168	3696	4224
	Static Pressure	0.011	0.025	0.043	0.068	0.097	0.133	0.173
	Noise Criteria	<15	<15	<15	21	27	33	37
	Throw	13-27-54	22-44-74	30-57-85	37-68-98	47-76-110	57-85-120	60-87-123
24	Airflow, CFM	1257	1885	2514	3142	3770	4399	5027
	Static Pressure	0.011	0.024	0.042	0.068	0.096	0.130	0.170
	Noise Criteria	<15	<15	15	22	29	34	38
	Throw	14-29-60	24-48-81	33-66-95	41-75-106	50-84-116	58-88-124	66-95-130

Performance Notes:

- AIRFLOW CFM:** Standard air density and isothermal conditions.
- STATIC PRESSURE:** Inches of water gauge required.
- NOISE CRITERIA:** Noise Criteria [NC] curve which is not exceeded with a Room Attenuation of 10 dB and based on Sound Power Level, re 10⁻¹² watts.
- THROW:** Projection distance in feet from outlet at which the maximum velocity has reduced to 200, 100 and 50 fpm respectively.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2023.

Correction Factors for Various Deflection Angles					
Deflection Angle	0°	10°	20°	30°	40°
Total Pressure [times]	1.0	1.2	1.4	1.9	2.4
Throw Projection [times]	1.0	0.9	0.8	0.7	0.6
Noise Criteria - NC [add]	+0	+3	+7	+11	+16

PERFORMANCE DATA:

MODEL RSDG • BS2 - 2" (51) BLADE SPACING

Nominal Size	Duct Velocity Velocity Pressure	400 0.010	600 0.022	800 0.040	1000 0.062	1200 0.090	1400 0.122	1600 0.160
8	Airflow, CFM	140	209	279	349	419	489	559
	Static Pressure	0.014	0.039	0.060	0.094	0.135	0.184	0.239
	Noise Criteria	<15	<15	<15	20	26	32	37
	Throw	5-10-20	8-16-27	11-21-32	14-25-36	17-28-39	20-30-41	21-32-45
10	Airflow, CFM	218	327	436	545	655	764	873
	Static Pressure	0.013	0.029	0.053	0.083	0.118	0.162	0.210
	Noise Criteria	<15	<15	<15	19	25	31	35
	Throw	6-12-24	9-17-32	14-26-37	17-31-45	21-34-47	25-37-52	29-40-56
12	Airflow, CFM	314	471	628	786	943	1100	1257
	Static Pressure	0.013	0.028	0.048	0.076	0.108	0.148	0.192
	Noise Criteria	<15	<15	<15	18	24	30	34
	Throw	7-15-30	12-24-40	16-33-47	20-37-53	25-41-59	29-45-65	33-48-74
14	Airflow, CFM	428	641	855	1069	1283	1497	1711
	Static Pressure	0.012	0.026	0.045	0.069	0.103	0.139	0.181
	Noise Criteria	<15	<15	<15	18	24	30	34
	Throw	8-18-37	14-28-47	18-38-55	23-44-61	30-48-70	34-52-74	38-56-83
16	Airflow, CFM	559	838	1117	1396	1676	1955	2234
	Static Pressure	0.012	0.024	0.043	0.068	0.097	0.132	0.172
	Noise Criteria	<15	<15	<15	18	24	30	34
	Throw	10-20-40	15-30-53	22-44-65	28-50-72	34-54-80	40-60-85	45-64-90
18	Airflow, CFM	707	1060	1414	1767	2121	2474	2828
	Static Pressure	0.011	0.024	0.041	0.065	0.094	0.128	0.166
	Noise Criteria	<15	<15	<15	19	25	31	35
	Throw	11-22-44	18-36-61	25-50-72	31-57-80	40-63-89	45-67-95	50-71-101
20	Airflow, CFM	873	1309	1746	2182	2618	3055	3491
	Static Pressure	0.011	0.023	0.040	0.063	0.091	0.123	0.159
	Noise Criteria	<15	<15	<15	19	25	31	35
	Throw	12-24-49	20-40-68	27-53-80	35-63-89	44-68-99	51-74-105	56-78-112
22	Airflow, CFM	1056	1584	2112	2640	3168	3696	4224
	Static Pressure	0.010	0.022	0.039	0.061	0.087	0.120	0.156
	Noise Criteria	<15	<15	<15	20	26	32	36
	Throw	13-27-54	22-44-74	30-57-85	37-68-98	47-76-110	57-85-120	60-87-123
24	Airflow, CFM	1257	1885	2514	3142	3770	4399	5027
	Static Pressure	0.010	0.022	0.038	0.061	0.086	0.117	0.153
	Noise Criteria	<15	<15	<15	21	28	33	37
	Throw	14-29-60	24-48-81	33-66-95	41-75-106	50-84-116	58-88-124	66-95-130
30	Airflow, CFM	1960	2940	3920	4900	5880	6860	7840
	Static Pressure	0.009	0.023	0.039	0.067	0.096	0.0126	0.155
	Noise Criteria	<15	<15	<15	20	26	31	36
	Throw	17-34-69	30-60-102	41-82-123	50-90-129	60-101-141	69-107-150	78-116-157

Performance Notes:

- AIRFLOW CFM:** Standard air density and isothermal conditions.
- STATIC PRESSURE:** Inches of water gauge required.
- NOISE CRITERIA:** Noise Criteria [NC] curve which is not exceeded with a Room Attenuation of 10 dB and based on Sound Power Level, re 10⁻¹² watts.
- THROW:** Projection distance in feet from outlet at which the maximum velocity has reduced to 200, 100 and 50 fpm respectively.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2023.

Correction Factors for Various Deflection Angles					
Deflection Angle	0°	10°	20°	30°	40°
Total Pressure [times]	1.0	1.2	1.4	1.9	2.4
Throw Projection [times]	1.0	0.9	0.8	0.7	0.6
Noise Criteria - NC [add]	+0	+3	+7	+11	+16

PERFORMANCE DATA:

MODEL RSDG • BS3 - 3" (76) BLADE SPACING

Nominal Size	Duct Velocity Velocity Pressure	400 0.010	600 0.022	800 0.040	1000 0.062	1200 0.090	1400 0.122	1600 0.160
16	Airflow, CFM	559	838	1117	1396	1676	1955	2234
	Static Pressure	0.011	0.023	0.041	0.065	0.092	0.125	0.163
	Noise Criteria	<15	<15	<15	17	23	29	33
	Throw	10-20-40	15-30-53	22-44-65	28-50-72	34-54-80	40-60-85	45-64-90
18	Airflow, CFM	707	1060	1414	1767	2121	2474	2828
	Static Pressure	0.010	0.023	0.039	0.062	0.089	0.122	0.158
	Noise Criteria	<15	<15	<15	18	24	30	34
	Throw	11-22-44	18-36-61	25-50-72	31-57-80	40-63-89	45-67-95	50-71-101
20	Airflow, CFM	873	1309	1746	2182	2618	3055	3491
	Static Pressure	0.010	0.022	0.038	0.060	0.086	0.117	0.151
	Noise Criteria	<15	<15	<15	18	24	30	34
	Throw	12-24-49	20-40-68	27-53-80	35-63-89	44-68-99	51-74-105	56-78-112
22	Airflow, CFM	1056	1584	2112	2640	3168	3696	4224
	Static Pressure	0.009	0.021	0.037	0.058	0.083	0.114	0.148
	Noise Criteria	<15	<15	<15	19	25	31	35
	Throw	13-27-54	22-44-74	30-57-85	37-68-98	47-76-110	57-85-120	60-87-123
24	Airflow, CFM	1257	1885	2514	3142	3770	4399	5027
	Static Pressure	0.009	0.021	0.036	0.058	0.082	0.111	0.145
	Noise Criteria	<15	<15	<15	20	27	32	36
	Throw	14-29-60	24-48-81	33-66-95	41-75-106	50-84-116	58-88-124	66-95-130
30	Airflow, CFM	1960	2940	3920	4900	5880	6860	7840
	Static Pressure	0.009	0.022	0.037	0.064	0.091	0.0119	0.147
	Noise Criteria	<15	<15	<15	20	26	31	36
	Throw	17-34-69	30-60-102	41-82-123	50-90-129	60-101-141	69-107-150	78-116-157

Performance Notes:

- AIRFLOW CFM:** Standard air density and isothermal conditions.
- STATIC PRESSURE:** Inches of water gauge required.
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Total Pressure [times]	1.0	1.2	1.4	1.9	2.4
Throw Projection [times]	1.0	0.9	0.8	0.7	0.6
Noise Criteria - NC [add]	+0	+3	+7	+11	+16