



❖ RVD/RHD APPLICATION

The most economical and the most quiet grille in the industry for sidewall mounting, recommended for application requiring control of both air pattern spread and drop plus an equal distribution over the entire face of the register.

❖ MODELS DETAILS

- RHD** - Front blades horizontal individually adjustable fins.
Rear blades vertical individually adjustable fins.
- RVD** - Front blades vertical individually adjustable fins.
Rear blades horizontal individually adjustable fins.

❖ RVD/RHD STANDARD CONSTRUCTION / FEATURES

- Frame is constructed of extruded aluminium or galvanized steel material with interlocked corners and mechanically stacked to form a rigid frame.
- Blades are made of solid extruded aluminium or galvanized steel, 22mm spaced from center to center.
- Easy adjustment fins without any special key or tool. Blades are securely held in place with nylon bush or steel wire.
- Galvanized steel opposed blade damper with gear operated adjustable from the face of the grille with a screw driver.



❖ **RVD OPTIONS**

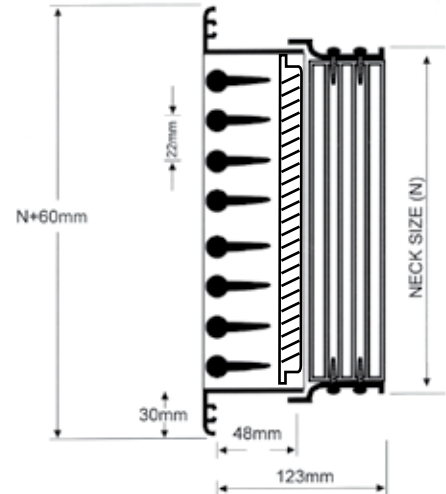
- All types of RAL finishing.
- Rubber gasket on the back of the frame.
- Black painted opposed blade damper.
- Airfoil blades are available. (For extruded aluminium only)

❖ **RVD Opposed Blade Damper**

The opposed blade damper has gang operated blades that move in opposite directions adjusted. The damper blades are key operated and can be set in any position. Each setting provides a uniform straight flow of air through the damper.



Opposed Blade Damper



❖ **RVD ORDER KEY INFORMATION**

RVD – A + OBD

	Accessories	Opposed Blade Damper (OBD), Insect Netting (IN), Transition Square to RAL Adaptor (Adp).
	Material	Aluminum (A), Steel (S), SUS304(SUS), Aluminum Zinc (AZ)
	Model	RVD - Double Deflection Grille



RVD PERFORMANCE DATA

CFM	SIZE (in)	7 x 4			6 x 5			8 x 4			7 x 5			7 x 6			8 x 5			12 x 4			10 x 5			16 x 4			12 x 5		
	Deflection	0°	22°	45°	0°	22°	45°	0°	22°	45°	0°	22°	45°	0°	22°	45°	0°	22°	45°	0°	22°	45°	0°	22°	45°	0°	22°	45°			
	AK	.12	.117	.105	.144	.140	.12	.176	.17	.15	.21	.20	.18	.27	.26	.24															
50	Velocity	415	425	475	345	355	415																								
	Total Pressure	.008	.010	.016	.006	.007	.012																								
	Throw	7-14	6-12	4-9	7-13	5-11	3-8																								
	NC	<15	<15	<15	<15	<15	<15																								
75	Velocity	625	640	715	520	535	625	430	445	495	360	375	425	280	295	325															
	Total Pressure	.019	.022	.036	.013	.016	.026	.009	.011	.017	.006	.007	.012	.009	.009	.021															
	Throw	10-18	9-16	6-12	9-13	8-15	5-10	5-8	4-7	3-5	8-15	6-11	5-7	7-20	6-12	4-9															
	NC	<15	<15	16	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15															
100	Velocity	835	855	650	695	715	835	570	590	665	480	500	560	370	390	425															
	Total Pressure	.033	.039	.064	.023	.028	.046	.016	.019	.031	.011	.013	.021	.013	.017	.027															
	Throw	14-22	12-19	9-15	12-20	10-17	8-13	10-18	8-15	6-10	11-18	8-14	6-9	9-23	8-14	5-10															
	NC	<15	<15	19	<15	<15	<15	<15	<15	16	<15	<15	<15	<15	<15	<15															
150	Velocity	1250	1280	1430	1040	1070	1250	850	880	1000	715	750	835	555	580	630															
	Total Pressure	.075	.089	.145	.053	.063	.104	.035	.043	.069	.025	.030	.048	.020	.025	.041															
	Throw	21-32	19-27	13-22	19-29	16-25	11-18	17-26	14-22	10-15	16-25	13-20	9-13	14-28	12-19	8-13															
	NC	21	21	24	19	20	22	15	16	19	<15	<15	17	<15	<15	<15															
200	Velocity	1665	1710	1505	1390	1430	1665	1135	175	1335	950	1000	1110	740	770	835															
	Total Pressure	.132	.158	.258	.095	.112	.184	.063	.077	.124	.044	.540	.085	.027	.033	.054															
	Throw	30-42	25-35	17-28	27-38	23-31	14-23	24-35	20-29	13-20	21-24	18-26	12-18	19-33	16-24	11-17															
	NC	30	31	33	24	24	27	20	21	23	16	16	20	<15	<15	17															
250	Velocity	2085	2135	2380	1735	1785	2005	1420	1470	1665	1190	1250	1390	925	960	1040															
	Total Pressure	.207	.245	.403	.148	.176	.280	.099	.120	.192	.069	.084	.134	.042	.052	.084															
	Throw	38-50	32-43	21-32	35-47	29-40	17-28	31-44	26-36	16-25	28-41	23-33	15-23	24-38	20-29	14-21															
	NC	36	37	39	32	32	35	25	25	28	21	21	25	16	17	21															
300	Velocity				2085	2145	2500	1705	1765	2000	1430	1500	1665	1110	1155	1250															
	Total Pressure				.212	.252	.412	.142	.172	.277	.099	.120	.192	0.61	.075	.122															
	Throw				43-55	34-48	20-32	35-51	31-43	20-29	34-46	28-38	18-27	28-40	24-35	17-25															
	NC				36	37	40	32	32	35	26	26	30	21	21	25															
350	Velocity							1990	2060	2335	1665	1750	1945	1295	1345	1460															
	Total Pressure							.194	.235	.377	.122	.164	.261	.083	.102	.164															
	Throw							39-57	35-49	24-33	36-51	32-44	22-31	33-46	29-40	20-29															
	NC							36	37	39	3	33	35	26	27	29															
400	Velocity										1905	2000	2220	1480	1540	1665															
	Total Pressure										.176	.215	.342	.108	.134	.215															
	Throw										41-53	36-47	26-37	38-50	34-46	24-35															
	NC										36	37	39	31	32	34															
500	Velocity													1850	1925	2085															
	Total Pressure													.168	.208	.327															
	Throw													45-58	39-52	29-42															
	NC													35	36	38															

RVD PERFORMANCE DATA

CFM	SIZE (in)	18 x 4			14 x 5			20 x 4			14 x 6			10 x 10			18 x 6			30 x 4			24 x 5		
		12 x 6			8 x 8			16 x 5			10 x 8			24 x 4			18 x 5			20 x 5			28 x 4		
		Deflection			0°			22°			45°			0°			22°			45°			0°		
		AK			.31			.30			.27			.37			.36			.32			.42		
100	Velocity	325	330	370	270	285	320																		
	Total Pressure	.006	.006	.014	.004	.005	.008																		
	Throw	15-28	11-21	9-15	13-21	11-15	7-11																		
	NC	<15	<15	<15	<15	<15	<15																		
150	Velocity	485	475	555	405	420	475	350	360	410	315	320	350												
	Total Pressure	.013	.013	0.31	.009	.011	.023	.006	.008	.013	.006	.007	.010												
	Throw	17-31	13-23	11-17	16-25	13-18	9-13	16-27	13-19	9-13	12-25	11-15	6-14												
	NC	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15												
200	Velocity	645	665	740	540	560	630	470	485	550	425	420	470	370	385	425									
	Total Pressure	.023	.024	.055	.015	.020	.030	.012	.015	.024	.010	.017	.019	.008	.010	0.18									
	Throw	21-36	17-26	13-19	19-31	15-20	11-15	19-31	15-22	11-16	15-29	14-20	8-16	14-23	11-18	7-13									
	NC	<15	<15	17	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15									
300	Velocity	970	1000	1110	810	835	940	710	730	830	630	635	710	550	565	630									
	Total Pressure	.051	.056	.112	.035	0.43	0.67	.027	.035	.055	.023	.029	.043	.016	.022	.032									
	Throw	26-40	22-30	16-23	25-39	19-26	15-20	24-37	20-28	14-20	20-34	19-25	11-19	19-28	16-23	10-16									
	NC	16	17	22	<15	15	18	<15	<15	20	<15	<15	16	<15	<15	<15									
400	Velocity	1290	1335	1480	1080	1110	1250	950	975	1110	835	850	950	730	745	835									
	Total Pressure	.090	.100	.200	.062	.076	.120	.049	.062	.096	.040	.051	.077	.029	.036	.057									
	Throw	35-48	30-40	20-30	33-48	29-37	20-28	30-42	25-34	17-24	26-39	23-30	14-22	24-34	21-28	13-20									
	NC	25	26	32	24	25	30	20	21	26	<15	17	22	<15	16	21									
500	Velocity	1615	1665	1850	1350	1390	1565	1190	1220	1390	1040	1065	1190	910	925	1040									
	Total Pressure	.140	.156	.314	.096	.119	.186	.078	.096	.150	.063	.079	.120	.046	.057	.089									
	Throw	42-55	37-48	26-36	39-51	34-44	12-32	36-47	31-40	20-28	33-44	29-37	17-26	29-40	26-33	15-24									
	NC	34	35	38	27	28	35	26	28	32	21	23	28	19	20	28									
600	Velocity	1935	2000	2220	1620	1665	1875	1430	1465	1665	1250	1275	1430	1090	1110	1250									
	Total Pressure	.204	.225	.452	.138	.171	.270	.112	.138	.215	.091	.114	.174	.056	.082	.128									
	Throw	47-60	41-54	31-41	43-56	38-49	27-37	40-52	35-44	23-33	36-48	32-40	20-29	32-45	29-36	18-26									
	NC	39	40	43	35	36	40	30	31	36	28	30	34	25	27	31									
700	Velocity	2260	2335	2595	1890	1945	2190	1665	1710	1945	1460	1490	1665	1275	1295	1460									
	Total Pressure	.275	.305	.610	.188	.244	.365	.152	.188	.294	.124	.155	.235	.090	.110	.174									
	Throw	52-65	46-59	37-47	47-61	42-53	32-41	43-57	38-48	17-36	39-62	34-44	23-32	36-49	31-40	20-29									
	NC	43	44	47	39	41	44	36	38	41	33	36	39	30	32	37									
800	Velocity				2160	2220	2500	1905	1950	2220	1665	1700	2220	1455	1480	1665									
	Total Pressure				.246	.305	.478	.198	.245	.385	.161	.201	.310	.116	.144	.226									
	Throw				53-65	49-57	37-45	49-61	44-53	33-41	44-56	38-48	28-37	40-53	35-45	25-34									
	NC				44	44	47	40	41	44	38	39	42	33	35	39									
900	Velocity							2145	2195	2500	1875	1915	2145	1635	1665	1875									
	Total Pressure							.250	.310	.486	.205	.256	.390	.148	.182	.286									
	Throw							51-65	47-58	35-45	47-60	43-54	33-41	44-57	39-50	29-38									
	NC							44	45	48	41	42	45	37	38	42									
1000	Velocity										2085	2130	2380	1820	1850	2085									
	Total Pressure										.252	.316	.482	.182	.277	.354									
	Throw										52-65	47-58	37-48	49-62	44-55	34-44									
	NC										44	45	47	42	43	46									

RVD PERFORMANCE DATA

CFM	SIZE (in)	36 x 4	14 x 10	22 x 6	40 x 4	18 x 8	48 x 4	30 x 6	34 x 6	20 x 10
	Deflection	28 x 5	14 x 10	16 x 8	30 x 5	16 x 10	36 x 5	18 x 10	24 x 8	16 x 12
	AK	0°	22°	45°	0°	22°	45°	0°	22°	45°
		.65	.63	.57	.72	.70	.63	.86	.83	.75
		.83	.75	.94	.92	.83				
200	Velocity	292	310	350	275	290	325			
	Total Pressure	.005	.006	.10	.004	.005	.009			
	Throw	11-18	9-16	6-12	10-15	6-13	4-8			
	NC	<15	<15	<15	<15	<15	<15			
300	Velocity	460	475	525	415	430	480	340	350	395
	Total Pressure	.012	.013	.023	.010	.011	.020	.007	.008	.013
	Throw	15-23	12-19	8-14	14-19	9-18	6-10	12-16	10-15	6-10
	NC	<15	<15	<15	<15	<15	<15	<15	<15	<15
400	Velocity	615	635	700	555	570	635	460	475	530
	Total Pressure	.021	.023	.041	.018	.019	.034	.012	.022	.024
	Throw	21-30	17-25	10-17	18-25	14-21	8-14	16-21	13-19	8-13
	NC	<15	15	18	<15	<15	15	<15	<15	<15
500	Velocity	770	795	875	695	715	795	580	600	665
	Total Pressure	.033	.036	.064	.027	.030	.053	.020	.022	.038
	Throw	26-37	23-31	12-20	22-31	13-24	11-18	20-27	17-23	10-17
	NC	17	18	25	15	17	22	15	15	<15
600	Velocity	925	950	1050	835	855	950	700	725	800
	Total Pressure	.048	.052	.092	.039	.043	.076	.028	.031	.055
	Throw	19-40	26-34	15-24	27-38	24-31	14-23	24-34	20-27	12-22
	NC	24	25	30	22	23	28	19	20	25
700	Velocity	1075	1110	1230	970	1000	1110	815	845	935
	Total Pressure	.065	.071	.126	.054	.058	.103	.039	.042	.075
	Throw	33-45	28-37	18-26	30-42	26-35	17-26	27-38	23-30	16-25
	NC	28	30	35	26	28	33	24	24	30
800	Velocity	1230	1270	1405	1110	1145	1270	930	965	1065
	Total Pressure	.285	.093	.165	.070	.076	.136	.050	.055	.098
	Throw	37-49	32-41	23-32	34-46	29-38	21-30	31-43	27-34	20-28
	NC	31	33	38	30	32	37	27	28	34
900	Velocity	1385	1430	1580	1250	1285	1430	1045	1085	1200
	Total Pressure	.108	.117	.208	.089	.096	.170	.064	.070	.124
	Throw	41-53	36-47	27-35	39-50	34-45	26-34	34-45	31-39	24-31
	NC	36	37	41	35	36	40	32	32	37
1000	Velocity	1540	1590	1755	1390	1430	1585	1165	1205	1335
	Total Pressure	.134	.145	.257	.110	.119	.212	.079	.086	.153
	Throw	46-57	41-51	31-40	44-55	40-49	30-38	38-48	36-44	28-36
	NC	40	41	44	38	39	43	37	37	41
1200	Velocity	1845	1905	2105	1665	1715	1905	1395	1445	1600
	Total Pressure	.192	.210	.370	.159	.171	.305	.114	.124	.220
	Throw	52-63	48-57	38-47	49-60	46-55	37-45	46-54	43-52	36-43
	NC	44	44	47	41	42	46	39	39	43
1400	Velocity				1945	2000	2220	1630	1685	1865
	Total Pressure				.215	.234	.415	.155	.168	.300
	Throw				54-63	49-58	43-49	53-61	48-57	42-48
	NC				44	44	48	41	41	45
1600	Velocity							1860	1930	2135
	Total Pressure							.202	.220	.390
	Throw							59-65	56-63	48-53
	NC							45	45	50

RVD PERFORMANCE DATA

CFM	SIZE (in)	60 x 4			36 x 6		72 x 4		22 x 12		60 x 5		30 x 10		60 x 6		30 x 12		72 x 6		26 x 14	
		48 x 5		16 x 14	18 x 12	30 x 8	24 x 10	18 x 14	16 x 16	48 x 6	36 x 8	18 x 16	24 x 12	20 x 14	40 x 8	18 x 18	24 x 14	20 x 15	32 x 12	20 x 20	20 x 18	24 x 16
		Deflection			0°	22°	45°	0°	22°	45°	0°	22°	45°	0°	22°	45°	0°	22°	45°	0°	22°	45°
		AK	1.07	1.04	0.94	1.28	1.25	1.12	1.44	1.40	1.26	1.66	1.62	1.46	1.96	1.91	1.72					
400	Velocity	380	390	420	295	320	335															
	Total Pressure	.008	.009	.016	.009	.010	.012															
	Throw	17-21	16-20	13-17	16-23	15-19	12-16															
	NC	<15	<15	<15	<15	<15	<15															
500	Velocity	475	485	530	390	400	445	345	355	395												
	Total Pressure	.014	.023	.026	.010	.011	.018	.008	.009	.015												
	Throw	19-27	18-22	16-20	18-26	16-20	14-18	16-24	15-19	21-17												
	NC	18	19	20	16	17	19	<15	<15	<15												
600	Velocity	565	580	635	470	480	535	415	425	475	350	380	415	310	315	340						
	Total Pressure	.019	.020	.037	.014	.015	.026	.011	.013	.022	.008	.010	.016	.006	.007	.012						
	Throw	21-30	20-24	17-21	20-29	18-22	15-19	18-28	17-21	14-18	18-23	15-20	11-17	15-22	13-17	9-15						
	NC	22	24	26	20	21	23	<15	<15	19	<15	<15	15	<15	<15	<15						
700	Velocity	750	770	850	625	640	715	555	570	635	475	500	550	410	420	460						
	Total Pressure	.034	.037	.066	.025	.027	.047	.020	.023	.039	.015	.017	.029	.011	.018	.021						
	Throw	27-37	22-29	17-23	25-35	21-27	14-20	23-32	19-23	16-26	22-28	18-25	14-20	19-26	17-22	13-19						
	NC	26	27	30	23	24	27	18	19	23	<15	15	20	<15	<15	17						
800	Velocity	935	960	1065	780	800	865	695	715	895	600	620	685	510	525	580						
	Total Pressure	.056	.059	.103	.038	.043	.074	.032	.036	.061	.023	.026	.045	.017	.020	.034						
	Throw	34-43	32-39	25-33	32-41	28-35	22-29	29-36	25-32	19-25	26-33	24-30	19-25	23-30	21-27	17-23						
	NC	30	31	35	26	27	31	22	23	27	18	19	21	15	16	21						
1000	Velocity	1120	1155	1275	940	960	1070	835	855	950	725	740	820	610	630	700						
	Total Pressure	.076	.084	.148	.055	.062	.106	.045	.051	.087	.033	.038	.065	.025	.028	.048						
	Throw	40-48	38-46	31-39	38-45	34-42	28-36	34-41	31-38	26-33	30-38	29-35	24-30	27-34	26-32	21-27						
	NC	33	33	37	29	30	34	26	26	30	23	23	27	20	20	24						
1200	Velocity	1310	1345	1490	1095	1120	1250	970	1000	1110	845	865	960	715	725	815						
	Total Pressure	.104	.115	.201	.075	.084	.146	.062	.070	.118	.045	.051	.088	.034	.039	.066						
	Throw	47-54	43-51	37-44	43-50	39-47	33-40	37-46	35-42	30-37	34-42	32-39	27-34	31-39	29-36	24-31						
	NC	35	36	40	32	33	37	29	30	34	27	28	32	24	25	29						
1400	Velocity	1495	1540	1700	1250	1280	1430	1110	1140	1270	965	990	1095	815	840	930						
	Total Pressure	.136	.150	.264	.098	.110	.190	.080	.091	.155	.059	.067	.115	.045	.050	.086						
	Throw	53-59	48-57	42-48	47-54	43-51	36-44	42-50	39-46	33-40	38-46	35-43	30-38	35-43	32-40	27-35						
	NC	39	40	44	36	37	40	33	33	37	31	32	36	29	29	34						
1600	Velocity	1680	1730	1915	1405	1440	1605	1250	1285	1430	1085	1110	1235	920	940	1045						
	Total Pressure	.172	.190	.333	.124	.139	.240	.102	.115	.196	.075	.084	.146	.056	.063	.109						
	Throw	54-65	53-62	46-52	52-58	48-56	41-47	47-54	43-51	36-44	42-51	39-47	33-41	40-48	36-44	30-38						
	NC	43	43	47	40	40	44	36	37	41	35	35	40	33	33	38						
1800	Velocity	1870	1925	2130	1565	1600	1785	1390	1430	1585	1205	1235	1370	1020	1045	1165						
	Total Pressure	.211	.235	.410	.154	.172	.295	.126	.142	.243	.092	.104	.179	.070	.079	.134						
	Throw	60-69	57-65	50-57	55-65	52-61	45-51	52-58	47-56	41-48	46-54	43-52	37-44	43-51	40-48	33-42						
	NC	46	46	50	44	44	48	40	41	44	38	38	43	36	36	40						
2200	Velocity				1720	1760	1965	1530	1570	1745	1325	1360	1505	1120	1150	1280						
	Total Pressure				.186	.209	.360	.152	.172	.293	.112	.126	.216	.084	.095	.162						
	Throw				58-68	54-63	47-55	54-65	49-60	43-51	51-58	47-56	41-47	47-56	44-52	36-45						
	NC				46	47	51	43	44	47	41	41	46	38	38	43						
2400	Velocity							1665	1715	1905	1445	1480	1545	1225	1255	1395						
	Total Pressure							.180	.205	.350	.133	.150	.257	.100	.113	.194						
	Throw							55-67	51-61	44-53	53-65	49-59	42-51	50-62	46-56	39-48						
	NC							47	47	51	44	44	49	40	41	45						

RVD PERFORMANCE DATA

CFM	SIZE (in)	36 x 12 30 x 14	22 x 20	26 x 16 24 x 18	60 x 8 48 x 10 40 x 12	24 x 20	36 x 14 30 x 16 26 x 18	72 x 8 60 x 10 48 x 12	24 x 24	36 x 16 30 x 18 28 x 20	48 x 14 36 x 18	22°	32 x 20 28 x 24
	Deflection	0°	22°	45°	0°	22°	45°	0°	22°	45°	0°	22°	45°
	AK	2.22	2.17	1.95	2.49	2.43	2.18	2.89	2.82	2.53	3.43	3.35	3.00
600	Velocity	280	285	345									
	Total Pressure	.005	.006	.012									
	Throw	14-19	13-18	12-16									
	NC	<15	<15	<15									
800	Velocity	360	375	435	320	325	370	275	285	315			
	Total Pressure	.009	.010	.019	.007	.008	.014	.005	.006	.010			
	Throw	17-21	16-20	14-18	15-19	14-18	12-17	13-17	12-17	10-15			
	NC	<15	<15	<15	<15	<15	<15	<15	<15	<15			
400	Velocity	450	465	525	400	410	460	345	355	395	289	315	340
	Total Pressure	.014	.015	0.27	.011	.013	.022	.008	.009	.015	.006	.008	0.11
	Throw	21-26	19-23	16-20	17-23	15-20	12-18	15-21	14-19	11-17	14-21	13-20	8-14
	NC	<15	<15	17	<15	<15	<15	<15	<15	<15	<15	<15	<15
500	Velocity	540	555	615	480	495	550	415	425	475	348	370	405
	Total Pressure	.019	.022	.039	.014	.018	.032	.011	.013	.022	.009	0.10	0.16
	Throw	25-31	23-28	19-24	22-28	20-26	17-22	20-26	18-25	14-20	17-24	15-23	10-17
	NC	17	17	22	<15	15	18	<15	<15	16	<15	<15	<15
600	Velocity	630	645	720	560	575	640	485	495	555	407	425	470
	Total Pressure	.027	.030	.054	.022	.025	.043	.016	.018	.031	.012	0.14	.022
	Throw	30-37	27-33	22-28	28-35	25-32	20-25	25-33	23-30	18-23	20-28	18-26	13-21
	NC	21	21	27	19	20	25	15	16	20	<15	<15	18
700	Velocity	720	735	820	695	660	735	555	570	630	466	480	535
	Total Pressure	.035	.039	.070	.029	.032	.056	.020	.023	.040	.015	.018	0.29
	Throw	35-42	31-38	25-32	33-40	29-36	23-30	30-37	26-33	20-28	23-31	21-29	16-24
	NC	25	26	31	23	24	28	19	20	24	15	16	21
800	Velocity	810	830	925	725	740	825	625	640	710	525	535	600
	Total Pressure	.045	.050	.089	.036	.041	.071	.026	.030	.051	.019	.022	.037
	Throw	38-46	35-42	27-35	36-44	33-40	24-32	32-39	28-36	22-29	27-34	24-32	19-27
	NC	29	30	35	27	28	33	24	24	28	19	20	24
900	Velocity	900	945	1025	805	825	915	690	710	790	585	595	665
	Total Pressure	.056	.061	.110	.045	.051	.088	.032	.037	.063	.024	.028	.046
	Throw	41-50	38-46	30-39	39-48	36-44	28-36	34-43	32-29	24-33	31-38	27-35	21-29
	NC	32	33	38	30	32	35	27	28	34	24	25	29
1000	Velocity	990	1040	1130	885	910	1005	755	780	870	645	655	730
	Total Pressure	0.67	.074	.132	.055	.061	.106	.038	.045	.077	.028	0.37	.057
	Throw	45-56	43-49	33-42	42-52	39-47	30-38	37-47	33-41	27-35	33-41	30-38	23-31
	NC	35	35	40	33	34	37	29	30	35	26	27	32
1200	Velocity	1080	1105	1230	965	990	110	830	850	950	700	715	800
	Total Pressure	.080	.088	.157	.065	.073	.0126	.046	.053	.091	.034	.040	.067
	Throw	48-60	44-53	36-45	46-57	42-50	34-42	41-51	35-45	30-38	36-45	31-40	26-34
	NC	38	38	43	36	36	40	31	32	36	28	28	35
1400	Velocity				1125	1150	1285	970	995	1105	815	835	935
	Total Pressure				.088	.099	.172	.063	.072	.123	.047	.054	.090
	Throw				53-63	48-57	40-49	46-57	41-51	35-44	41-51	36-45	30-38
	NC				41	42	45	37	38	41	32	33	37
1600	Velocity							1105	1135	1265	935	955	1065
	Total Pressure							.082	.094	.161	.061	.070	.118
	Throw							52-63	48-57	40-49	45-56	41-50	34-43
	NC							41	42	46	38	39	42

❖ RVD PERFORMANCE DATA

CFM	SIZE (in)	72 x 10 48 x 16			36 x 20 30 x 24			72 x 12 60 x 14			48 x 18 36 x 24			72 x 14 60 x 16			48 x 20 30 x 30		
		Deflection			0°			22°			45°			0°			22°		
		AK			3.72			3.63			3.25			4.46			4.35		
1600	Velocity	330			335			365											
	Total Pressure	.011			.012			.018											
	Throw	19-24			18-23			13-22											
	NC	<15			<15			<15											
1800	Velocity	435			440			490			360			365			405		
	Total Pressure	.019			.20			.093			.009			.010			.018		
	Throw	23-29			21-28			16-25			16-26			15-23			14-20		
	NC	<15			15			19			<15			15			15		
2000	Velocity	540			550			615			450			455			510		
	Total Pressure	.020			.024			.041			.014			.016			.028		
	Throw	27-34			24-32			19-27			21-30			20-27			17-23		
	NC	19			20			24			15			16			20		
2400	Velocity	645			660			740			540			550			615		
	Total Pressure	.029			.034			.059			.020			.023			.040		
	Throw	31-29			27-36			22-29			26-34			23-31			19-26		
	NC	25			25			29			20			21			25		
2800	Velocity	755			770			860			630			645			720		
	Total Pressure	.040			.046			.080			.027			.032			.054		
	Throw	36-45			31-40			25-33			31-38			26-35			21-28		
	NC	28			29			36			25			26			30		
3200	Velocity	860			880			985			715			735			820		
	Total Pressure	.052			.061			.102			.036			.042			.071		
	Throw	40-50			35-45			29-36			35-44			30-40			24-33		
	NC	33			33			38			29			30			36		
3600	Velocity	970			990			1110			805			830			925		
	Total Pressure	.066			.077			.130			.045			.053			.090		
	Throw	46-55			41-50			34-42			39-48			35-44			28-37		
	NC	39			40			43			33			34			38		
4000	Velocity	1075			1100			1230			895			920			1025		
	Total Pressure	.083			.095			.163			.056			.065			.111		
	Throw	52-61			47-56			39-48			44-53			40-48			32-40		
	NC	43			44			47			40			41			45		

Notes:

- Static Pressure is in Inch of Water, Air volume is in CFM.
- NC values were determined by subtracting 10 dB from the sound power level for room absorption.
- Throw data is presented for terminal velocities of 50 - 100 ft./min.