



ENGINEERING DATA

SD Series

SdT50-60, SdT54-64, SDA50-60, SDA54-64

Nom. Duct Size (in.)	Nom. Duct Area (ft. ²)	Core Vel. (fpm)	300	400	500	600	700	800	1000	1200	1400
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.090	0.122
		Total Pressure 0°	0.016	0.029	0.046	0.066	0.090	0.117	0.183	0.263	0.358
		22.5°	0.018	0.033	0.051	0.074	0.100	0.131	0.204	0.294	0.401
		45°	0.028	0.049	0.077	0.111	0.152	0.198	0.309	0.445	0.606

10x3	0.21	Airflow Rate (CFM)	42	56	70	84	98	112	140	168	196
		Throw (ft.) 0°	3-6-8	4-7-10	5-8-11	6-8-12	7-9-13	8-10-14	9-11-15	10-12-17	10-13-18
		22.5°	2-5-6	3-5-7	4-6-8	5-6-9	5-7-10	6-7-11	7-8-12	7-9-13	8-10-14
		45°	1-3-4	2-3-4	2-3-5	3-4-5	3-4-6	4-4-6	4-5-7	4-5-8	5-6-8
		NC	-	-	-	14	19	23	29	35	40

12x3	0.25	Airflow Rate (CFM)	54	72	90	108	126	144	180	216	252
		Throw (ft.) 0°	5-7-9	6-8-11	7-9-12	8-9-13	8-10-14	9-11-15	10-12-17	11-13-19	12-14-20
		22.5°	4-5-7	5-6-8	5-7-9	6-7-10	6-8-11	7-8-12	8-9-13	8-10-15	9-11-16
		45°	2-3-4	3-3-5	3-4-5	3-4-6	4-5-7	4-5-7	4-5-8	5-6-9	5-7-9
		NC	-	-	-	15	20	24	31	36	41

10x4	0.28	Airflow Rate (CFM)	63	84	105	126	147	168	210	252	294
		Throw (ft.) 0°	5-7-10	7-8-12	8-9-13	8-10-14	9-11-16	10-12-17	11-13-19	12-14-20	13-16-22
		22.5°	4-6-8	5-6-9	6-7-10	6-8-11	7-9-12	7-9-13	8-10-14	9-11-16	10-12-17
		45°	2-3-5	3-4-5	3-4-6	4-5-7	4-5-7	4-5-8	5-6-8	5-7-9	6-7-10
		NC	-	-	-	16	21	25	31	37	41

16x3 12x4	0.33	Airflow Rate (CFM)	75	100	125	150	175	200	250	300	350
		Throw (ft.) 0°	5-8-11	7-9-13	8-10-14	9-11-16	10-12-17	11-13-18	12-14-20	13-16-22	14-17-24
		22.5°	4-6-9	6-7-10	6-8-11	7-9-12	8-9-13	8-10-14	9-11-16	10-12-17	11-13-19
		45°	2-4-5	3-4-6	4-5-6	4-5-7	4-5-8	5-6-8	5-6-9	6-7-10	6-8-11
		NC	-	-	11	17	21	25	32	37	42

14x4	0.39	Airflow Rate (CFM)	81	108	135	162	189	216	270	324	378
		Throw (ft.) 0°	6-8-12	8-9-13	9-11-15	9-12-16	10-13-18	11-13-19	12-15-21	13-16-23	14-18-25
		22.5°	4-6-9	6-7-10	7-8-12	7-9-13	8-10-14	8-10-15	9-12-16	10-13-18	11-14-19
		45°	2-4-5	3-4-6	4-5-7	4-5-7	5-6-8	5-6-9	5-7-10	6-7-10	7-8-11
		NC	-	-	12	17	22	26	32	38	42

16x4	0.44	Airflow Rate (CFM)	102	136	170	204	238	272	340	408	476
		Throw (ft.) 0°	6-9-13	9-11-15	10-12-17	11-13-18	11-14-20	12-15-21	14-17-24	15-18-26	16-20-28
		22.5°	5-7-10	7-8-12	8-9-13	8-10-14	9-11-15	9-12-16	11-13-18	12-14-20	13-15-22
		45°	3-4-6	4-5-7	4-5-8	5-6-8	5-6-9	6-7-10	6-8-11	7-8-12	7-9-13
		NC	-	-	12	18	23	27	33	39	43

22x4	0.61	Airflow Rate (CFM)	144	192	240	288	336	384	480	576	672
		Throw (ft.) 0°	7-11-15	10-13-18	12-14-20	13-15-22	14-17-24	15-18-25	16-20-28	18-22-31	19-24-33
		22.5°	6-8-12	8-10-14	9-11-15	10-12-17	11-13-18	11-14-20	13-15-22	14-17-24	15-18-26
		45°	3-5-7	5-6-8	5-6-9	6-7-10	6-8-11	7-8-11	7-9-13	8-10-14	9-11-15
		NC	-	-	14	19	24	28	35	40	45

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Tests conducted with a straight rigid inlet condition.
3. 0°, 22.5° and 45° represent blade deflection angles.
4. Units: Total Pressure = in. wc.; Ak = ft² Throw= ft at 150, 100 and 50 fpm terminal velocity.
5. NC is based upon 10 dB room absorption (Re: 10⁻¹² watts) evaluated at 125 thru 4000 Hz octave bands.
6. Dash "-" indicates NC value less than 10.
7. Total pressure values listed are for units without damper-extractor. If damper extractor is used, multiply listed Total Pressure value by 2 for correct value.

ENGINEERING DATA

SD Series

SDT50-60, SDT54-64, SDA50-60, SDA54-64

Nom. Duct Size (in.)	Nom. Duct Area (ft.2)	Core Vel. (fpm)	300	400	500	600	700	800	1000	1200	1400	
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.090	0.122	
		Total Pressure	0°	0.016	0.029	0.046	0.066	0.090	0.117	0.183	0.263	0.358
			22.5°	0.018	0.033	0.051	0.074	0.100	0.131	0.204	0.294	0.401
			45°	0.028	0.049	0.077	0.111	0.152	0.198	0.309	0.445	0.606

20x3 10x6	0.42	Airflow Rate (CFM)	102	136	170	204	238	272	340	408	476	
		0°	4-7-13	6-9-15	8-12-17	9-13-18	11-14-20	13-15-21	14-17-24	15-18-26	16-20-28	
		Throw (ft.)	22.5°	4-6-10	5-7-12	6-9-13	7-10-14	8-11-15	10-12-16	11-13-18	12-14-20	13-15-22
		45°	2-3-6	3-4-7	4-5-8	4-6-8	5-6-9	6-7-10	6-8-11	7-8-12	7-9-13	
		NC	-	-	12	18	23	27	35	43	47	

24x3 18x4 12x6	0.50	Airflow Rate (CFM)	123	164	205	246	287	328	410	492	574	
		0°	5-8-14	7-11-17	8-13-18	11-14-20	12-15-22	13-17-23	15-18-26	17-20-29	18-22-31	
		Throw (ft.)	22.5°	4-6-11	6-8-13	6-10-14	8-11-15	9-12-17	11-13-18	12-14-20	13-15-22	14-17-24
		45°	2-4-6	3-5-8	4-6-8	5-6-9	6-7-10	6-8-11	7-8-12	8-9-13	8-10-14	
		NC	-	-	13	19	23	27	36	44	48	

28x3 14x6	0.58	Airflow Rate (CFM)	144	192	240	288	336	384	480	576	672	
		0°	5-8-15	8-11-18	9-14-20	11-15-22	13-17-24	15-18-25	16-20-28	18-22-31	20-24-34	
		Throw (ft.)	22.5°	4-6-12	6-8-14	7-11-15	8-12-17	10-13-18	11-14-20	13-15-22	14-17-24	15-18-26
		45°	2-4-7	4-5-8	4-6-9	5-7-10	6-8-11	6-8-11	7-9-13	8-10-14	8-11-15	
		NC	-	-	14	19	24	28	37	44	49	

32x3 24x4 16x6	0.67	Airflow Rate (CFM)	171	228	285	342	399	456	570	684	798	
		0°	6-9-17	8-12-20	10-15-22	12-17-24	14-18-26	16-20-27	18-22-31	20-24-34	21-26-36	
		Throw (ft.)	22.5°	4-7-13	6-9-15	8-12-17	9-13-18	11-14-20	13-15-21	14-17-24	15-18-26	16-20-28
		45°	3-4-8	4-6-8	4-7-10	6-8-11	6-8-12	7-8-13	8-10-14	8-11-15	9-12-16	
		NC	-	-	15	20	25	29	37	45	49	

25x4	0.69	Airflow Rate (CFM)	177	236	295	354	413	472	590	708	826	
		0°	6-9-17	8-13-20	11-15-22	13-17-25	14-18-26	16-20-28	18-22-32	20-25-34	22-26-37	
		Throw (ft.)	22.5°	4-7-13	6-10-15	8-12-17	10-13-19	11-14-20	13-15-22	14-17-25	15-19-27	17-20-29
		45°	3-4-8	4-6-9	5-7-10	6-8-11	6-8-12	7-9-13	8-10-14	9-11-15	10-12-17	
		NC	-	-	15	20	25	29	37	45	50	

36x3 18x6	0.75	Airflow Rate (CFM)	189	252	315	378	441	504	630	756	882	
		0°	6-10-18	8-13-20	11-16-23	13-18-25	15-19-27	17-20-29	19-23-32	20-25-36	22-27-39	
		Throw (ft.)	22.5°	5-8-14	6-10-16	8-13-18	10-14-20	11-15-21	13-16-22	15-18-25	16-20-27	17-21-29
		45°	3-4-8	4-6-9	5-7-11	6-8-11	6-8-12	8-9-13	8-11-15	9-11-16	10-12-18	
		NC	-	-	15	20	25	29	38	45	50	

30x4 20x6 12x10	0.83	Airflow Rate (CFM)	216	288	360	432	504	576	720	864	1008	
		0°	6-11-19	9-13-22	11-17-25	13-19-27	16-20-29	18-22-31	20-25-34	22-27-38	24-29-41	
		Throw (ft.)	22.5°	5-8-15	7-11-17	8-13-19	11-15-21	12-16-22	14-17-24	15-19-27	17-21-29	18-22-32
		45°	3-5-8	4-6-10	5-8-11	6-8-12	7-9-13	8-10-14	9-11-15	10-12-17	11-13-18	
		NC	-	-	16	21	26	30	38	46	50	

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Tests conducted with a straight rigid inlet condition.
3. 0°, 22.5° and 45° represent blade deflection angles.
4. Units: Total Pressure = in. wc.; Ak = ft² Throw= ft at 150, 100 and 50 fpm terminal velocity.
5. NC is based upon 10 dB room absorption (Re: 10⁻¹² watts) evaluated at 125 thru 4000 Hz octave bands.
6. Dash "-" indicates NC value less than 10.
7. Total pressure values listed are for units without damper-extractor. If damper extractor is used, multiply listed Total Pressure value by 2 for correct value.



ENGINEERING DATA

SD Series

SDT50-60, SDT54-64, SDA50-60, SDA54-64

Nom. Duct Size (in.)	Nom. Duct Area (ft ²)	Core Vel. (fpm)	300	400	500	600	700	800	1000	1200	1400
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.090	0.122
		Total Pressure	0°	0.016	0.029	0.046	0.066	0.090	0.117	0.183	0.263
			22.5°	0.018	0.033	0.051	0.074	0.100	0.131	0.204	0.294
			45°	0.028	0.049	0.077	0.111	0.152	0.198	0.309	0.445

22x6	0.92	Airflow Rate (CFM)	231	308	385	462	539	616	770	924	1078
		0°	6-11-20	9-14-22	12-18-25	14-20-28	16-21-30	18-22-32	20-25-36	22-28-39	25-30-42
		Throw (ft.) 22.5°	5-8-15	7-11-18	9-13-20	11-15-22	13-16-23	14-18-25	16-20-28	18-22-30	19-23-33
		45°	3-5-9	4-6-11	6-8-11	6-9-13	8-10-13	8-11-15	9-11-16	11-13-18	11-13-19
		NC	-	-	16	21	26	30	39	46	51

36x4 24x6 18x8	1.00	Airflow Rate (CFM)	264	352	440	528	616	704	880	1056	1232
		0°	7-11-21	10-15-24	13-19-27	15-21-29	18-22-32	20-24-34	22-27-39	24-29-42	26-32-46
		Throw (ft.) 22.5°	6-8-16	8-12-19	10-15-21	12-16-23	13-18-25	15-19-27	17-21-29	19-23-32	20-25-35
		45°	3-5-9	4-7-11	6-8-12	7-9-13	8-11-15	9-11-15	10-12-18	11-13-19	12-15-20
		NC	-	-	16	22	26	30	39	47	51

46x4 30x6 18x10	1.28	Airflow Rate (CFM)	333	444	555	666	777	888	1110	1332	1554
		0°	8-13-24	11-17-27	14-21-30	17-24-33	20-25-36	22-27-39	25-30-43	27-33-47	29-36-50
		Throw (ft.) 22.5°	6-10-18	8-13-21	11-16-24	13-18-26	15-20-28	18-21-29	19-24-33	21-26-36	22-28-39
		45°	4-6-11	5-8-12	6-10-13	8-11-15	9-11-16	10-12-18	11-13-20	12-15-21	13-16-23
		NC	-	11	17	23	27	31	40	48	52

36x6 27x8 18x12	1.50	Airflow Rate (CFM)	405	540	675	810	945	1080	1350	1620	1890	
		0°	8-14-26	13-18-30	15-23-34	18-26-36	22-28-40	25-30-42	27-34-48	30-36-52	32-40-56	
		Throw (ft.)	22.5°	7-11-20	10-15-23	12-18-26	15-20-29	17-22-31	19-23-33	21-26-36	23-29-40	25-31-43
		45°	4-6-12	6-8-13	7-11-15	8-12-17	10-13-18	11-13-19	13-15-21	13-17-23	15-18-25	
		NC	-	12	18	24	28	32	41	48	53	

22x10	1.53	Airflow Rate (CFM)	411	548	685	822	959	1096	1370	1644	1918	
		0°	8-14-26	13-19-30	15-23-34	19-26-37	22-28-40	25-30-43	27-34-48	30-37-53	32-40-57	
		Throw (ft.)	22.5°	7-11-20	10-15-23	12-18-26	15-20-29	17-22-31	19-23-33	21-26-37	23-29-41	25-31-43
		45°	4-6-12	6-8-13	7-11-15	8-12-17	10-13-18	11-13-19	13-15-22	13-17-24	15-18-25	
		NC	-	12	18	24	28	32	41	48	53	

30x8 24x10	1.67	Airflow Rate (CFM)	447	596	745	894	1043	1192	1490	1788	2086
		0°	9-15-27	13-20-32	16-25-35	20-27-39	22-29-41	26-32-44	29-35-50	32-39-55	34-41-59
		Throw (ft.) 22.5°	7-11-21	10-15-25	13-19-27	15-21-30	18-23-32	20-25-34	22-27-39	25-30-42	27-32-46
		45°	4-6-12	6-9-14	7-11-16	9-12-18	11-13-19	11-14-20	13-16-22	14-18-25	15-19-27
		NC	-	12	19	24	29	33	41	49	53

42x6	1.75	Airflow Rate (CFM)	477	636	795	954	1113	1272	1590	1908	2256
		0°	9-15-28	13-20-32	17-25-36	20-28-40	24-30-43	27-32-46	29-36-51	32-40-56	35-43-61
		Throw (ft.) 22.5°	7-12-22	11-15-25	13-20-28	15-22-31	18-24-34	20-25-36	23-28-40	25-31-43	27-34-47
		45°	4-7-13	6-9-15	8-11-16	9-13-18	11-14-20	12-15-21	13-16-23	15-18-25	16-20-27
		NC	-	12	19	24	29	33	42	49	54

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Tests conducted with a straight rigid inlet condition.
3. 0°, 22.5° and 45° represent blade deflection angles.
4. Units: Total Pressure = in. wc.; Ak = ft² Throw= ft at 150, 100 and 50 fpm terminal velocity.
5. NC is based upon 10 dB room absorption (Re: 10⁻¹² watts) evaluated at 125 thru 4000 Hz octave bands.
6. Dash "-" indicates NC value less than 10.
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SD Series

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Nom. Duct Size (in.)	Nom. Duct Area (ft ²)	Core Vel. (fpm)	300	400	500	600	700	800	1000	1200	1400
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.090	0.122
		Total Pressure 0°	0.016	0.029	0.046	0.066	0.090	0.117	0.183	0.263	0.358
		22.5°	0.018	0.033	0.051	0.074	0.100	0.131	0.204	0.294	0.401
		45°	0.028	0.049	0.077	0.111	0.152	0.198	0.309	0.445	0.606

48x6 36x8 24x12	2	Airflow Rate (CFM)	546	728	910	1092	1274	1456	1820	2184	2548
		0°	10-16-30	14-22-35	18-27-39	22-30-43	25-32-46	29-35-49	32-39-55	35-43-60	38-46-65
		Throw (ft.) 22.5°	8-13-23	11-17-27	14-21-30	17-23-33	20-25-36	22-27-38	25-30-43	27-33-47	29-36-50
		45°	4-7-13	6-10-15	8-12-18	10-13-19	11-15-21	13-15-22	14-18-25	15-19-27	17-21-29
		NC	-	13	19	25	30	34	42	50	54

42x8	2.33	Airflow Rate (CFM)	642	856	1070	1284	1498	1712	2140	2568	2996
		0°	11-18-33	15-23-38	20-29-42	23-33-46	27-35-50	31-38-53	34-42-60	38-46-65	41-50-71
		Throw (ft.) 22.5°	8-13-25	12-18-29	15-22-33	18-25-36	21-27-39	24-29-41	27-33-46	29-36-50	32-39-55
		45°	5-8-15	7-11-17	9-13-19	11-15-21	13-16-22	14-17-24	15-19-27	17-21-29	18-22-32
		NC	-	13	20	26	30	34	43	50	55

36x10 30x12	2.50	Airflow Rate (CFM)	687	916	1145	1374	1603	1832	2290	2748	3206
		0°	11-18-34	16-24-39	20-30-43	24-34-48	28-36-52	32-39-55	36-43-62	39-48-67	42-52-73
		Throw (ft.) 22.5°	8-14-26	13-19-30	15-23-34	19-26-37	22-28-40	25-30-43	27-34-48	30-37-53	33-40-57
		45°	5-8-15	7-11-18	9-13-20	11-15-22	13-16-23	14-18-25	16-20-28	18-22-30	19-23-33
		NC	-	14	20	26	30	34	43	51	55

48x8	2.67	Airflow Rate (CFM)	738	984	1230	1476	1722	1968	2460	2952	3444
		0°	12-19-35	17-25-41	21-32-45	25-35-50	29-38-53	33-41-57	37-45-64	41-50-70	43-53-76
		Throw (ft.) 22.5°	9-15-27	13-20-32	16-25-35	20-27-39	22-29-41	25-32-44	29-35-50	32-39-54	34-41-59
		45°	6-8-15	8-11-18	9-14-20	11-15-22	13-17-24	15-18-26	17-20-29	18-22-32	20-24-34
		NC	-	14	21	26	31	35	43	51	55

36x12	3.00	Airflow Rate (CFM)	825	1100	1375	1650	1925	2200	2750	3300	3850
		0°	13-20-37	18-27-43	22-33-48	27-37-53	31-40-57	35-43-60	39-48-67	43-53-74	46-57-80
		Throw (ft.) 22.5°	10-15-29	14-20-33	17-26-37	20-29-41	24-31-44	27-33-47	30-37-53	33-41-57	36-44-62
		45°	6-9-17	8-12-19	10-15-22	12-17-24	14-18-25	15-19-27	18-22-30	19-24-34	21-25-36
		NC	-	15	21	27	31	35	44	51	56

48x10	3.33	Airflow Rate (CFM)	933	1244	1555	1866	2177	2488	3110	3732	4354
		0°	13-21-39	19-28-46	23-35-50	28-39-55	33-43-60	37-46-64	41-50-72	46-55-78	49-60-85
		Throw (ft.) 22.5°	11-16-31	15-22-35	18-27-39	22-31-43	25-33-46	29-35-50	32-39-55	35-43-61	38-46-66
		45°	6-10-18	8-13-20	11-16-23	13-18-25	15-19-27	17-20-29	19-23-32	20-25-36	22-27-39
		NC	-	15	22	27	32	36	44	52	56

42x12	3.50	Airflow Rate (CFM)	966	1288	1610	1932	2254	2576	3220	3864	4508
		0°	13-22-40	19-29-46	24-36-52	29-40-57	34-43-61	38-46-65	42-52-73	46-57-80	50-61-86
		Throw (ft.) 22.5°	11-17-31	15-22-36	18-28-40	22-31-44	26-34-48	29-36-50	33-40-57	36-44-62	39-48-67
		45°	6-10-18	8-13-21	11-16-23	13-18-25	15-20-27	17-21-29	19-23-33	21-25-36	22-27-39
		NC	-	15	22	27	32	36	45	52	57

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Tests conducted with a straight rigid inlet condition.
3. 0°, 22.5° and 45° represent blade deflection angles.
4. Units: Total Pressure = in. wc.; Ak = ft² Throw= ft at 150, 100 and 50 fpm terminal velocity.
5. NC is based upon 10 dB room absorption (Re: 10⁻¹² watts) evaluated at 125 thru 4000 Hz octave bands.
6. Dash "-" indicates NC value less than 10.
7. Total pressure values listed are for units without damper-extractor. If damper extractor is used, multiply listed Total Pressure value by 2 for correct value.



ENGINEERING DATA

SD Series

SDT50-60, SDT54-64, SDA50-60, SDA54-64

Nom. Duct Size (in.)	Nom. Duct Area (ft ²)	Core Vel. (fpm)	300	400	500	600	700	800	1000	1200	1400
		Vel. Pressure	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.090	0.122
		0°	0.016	0.029	0.046	0.066	0.090	0.117	0.183	0.263	0.358
		22.5°	0.018	0.033	0.051	0.074	0.100	0.131	0.204	0.294	0.401
		45°	0.028	0.049	0.077	0.111	0.152	0.198	0.309	0.445	0.606

48x12	4.00	Airflow Rate (CFM)	1125	1500	1875	2250	2625	3000	3750	4500	5250	
		0°	15-23-43	20-31-50	26-39-56	31-43-61	36-47-66	41-50-71	46-56-79	50-61-86	54-66-93	
		Throw (ft.)	22.5°	11-18-34	16-24-39	20-30-43	24-34-48	28-36-51	32-39-55	35-43-61	39-48-67	42-51-72
		45°	6-11-20	9-14-22	12-18-25	14-20-27	16-21-29	18-22-32	20-25-36	22-27-39	25-29-42	
		NC	-	16	22	28	33	37	45	53	57	

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Tests conducted with a straight rigid inlet condition.
3. 0°, 22.5° and 45° represent blade deflection angles.
4. Units: Total Pressure = in. wc.; Ak = ft² Throw= ft at 150, 100 and 50 fpm terminal velocity.
5. NC is based upon 10 dB room absorption (Re: 10⁻¹² watts) evaluated at 125 thru 4000 Hz octave bands.
6. Dash "-" indicates NC value less than 10.
7. Total pressure values listed are for units without damper-extractor. If damper extractor is used, multiply listed Total Pressure value by 2 for correct value.

ENGINEERING DATA

SDAPG-R, SDAPG-U

Nom. Duct Size (in.)	Nom. Duct Area (ft ²)	Core Velocity	300	400	500	600	700	800	1000	1200	1400
		Velocity Pressure	0.006	0.01	0.016	0.022	0.031	0.04	0.062	0.09	0.122
		Neg. Static Pressure	0.029	0.051	0.079	0.114	0.156	0.203	0.318	0.458	0.623
6x6	0.25	Noise Criteria (NC)	57	79	95	114	133	152	190	228	266
		Air Flow	-	-	-	-	13	16	21	26	30
8x6	0.33	Noise Criteria (NC)	78	104	130	156	182	208	260	312	364
		Air Flow	-	-	-	-	14	17	23	27	31
10x6	0.42	Noise Criteria (NC)	102	136	170	204	238	272	340	408	476
		Air Flow	-	-	-	11	15	18	24	28	32
8x8	0.44	Noise Criteria (NC)	111	148	185	222	259	296	370	444	518
		Air Flow	-	-	-	12	15	19	24	29	33
12x6	0.50	Noise Criteria (NC)	123	164	205	246	287	328	410	492	574
		Air Flow	-	-	-	12	16	19	25	29	33
14x6	0.58	Noise Criteria (NC)	144	192	240	288	336	384	480	576	672
		Air Flow	-	-	-	13	17	20	25	30	34
16x6 12x8	0.67	Noise Criteria (NC)	171	228	285	342	399	456	570	684	798
		Air Flow	-	-	-	14	17	21	26	31	34
10x10	0.69	Noise Criteria (NC)	177	236	295	354	413	472	590	708	826
		Air Flow	-	-	-	14	18	21	26	31	35
18x6	0.75	Noise Criteria (NC)	189	252	315	378	441	504	630	756	882
		Air Flow	-	-	-	14	18	21	27	31	35
20x6 12x10	0.83	Noise Criteria (NC)	216	288	360	432	504	576	720	864	1008
		Air Flow	-	-	-	-	15	18	22	27	32

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Tests conducted with straight rigid inlet condition. Other inlet conditions may alter performance.
3. Unit of measure: Core velocity=fpm; Velocity Pressure=in.wc.
4. NC is based upon 10 db room absorption (Re: 10⁻¹² watts).
5. Dash "-" indicates NC less than 10.



ENGINEERING DATA

SDAPG-R, SDAPG-U

Nom. Duct Size (in.)	Nom. Duct Area (ft ²)	Core Velocity	300	400	500	600	700	800	1000	1200	1400
		Velocity Pressure	0.006	0.01	0.016	0.022	0.031	0.04	0.062	0.09	0.122
		Neg. Static Pressure	0.029	0.051	0.079	0.114	0.156	0.203	0.318	0.458	0.623

22x6	0.92	Noise Criteria (NC)	231	308	385	462	539	616	770	924	1078
		Air Flow	-	-	-	-	15	19	22	27	32

24x6 12x12	1.00	Noise Criteria (NC)	264	352	440	528	616	704	880	1056	1232
		Air Flow	-	-	-	11	15	19	23	28	32

30x6 18x10	1.25	Noise Criteria (NC)	333	444	555	666	777	888	1110	1332	1554
		Air Flow	-	-	-	12	16	20	24	29	33

14x14	1.36	Noise Criteria (NC)	366	488	610	732	854	976	1220	1464	1708
		Air Flow	-	-	-	12	17	21	24	29	34

36x6 18x12	1.50	Noise Criteria (NC)	405	540	675	810	945	1080	1350	1620	1890
		Air Flow	-	-	-	13	17	21	24	30	34

22x10	1.53	Noise Criteria (NC)	411	548	685	822	959	1096	1370	1644	1918
		Air Flow	-	-	-	13	17	21	24	30	34

30x8 24x10	1.67	Noise Criteria (NC)	447	596	745	894	1043	1192	1490	1788	2086
		Air Flow	-	-	-	13	18	22	25	30	35

42x6 18x14	1.75	Noise Criteria (NC)	477	636	795	954	1113	1272	1590	1908	2226
		Air Flow	-	-	-	14	18	22	25	31	35

16x16	1.78	Noise Criteria (NC)	486	648	810	972	1134	1296	1620	1944	2268
		Air Flow	-	-	14	18	22	25	31	35	39

24x12 18x16	2.00	Noise Criteria (NC)	546	728	910	1092	1274	1456	1820	2184	2548
		Air Flow	-	-	14	19	22	26	31	36	39

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Tests conducted with straight rigid inlet condition. Other inlet conditions may alter performance.
3. Unit of measure: Core velocity=fpm; Velocity Pressure=in.wc.
4. NC is based upon 10 db room absorption (Re: 10⁻¹² watts).
5. Dash "-" indicates NC less than 10.

ENGINEERING DATA

SDAPG-R, SDAPG-U

Nom. Duct Size (in.)	Nom. Duct Area (ft ²)	Core Velocity	300	400	500	600	700	800	1000	1200	1400
		Velocity Pressure	0.006	0.01	0.016	0.022	0.031	0.04	0.062	0.09	0.122
		Neg. Static Pressure	0.029	0.051	0.079	0.114	0.156	0.203	0.318	0.458	0.623
18x18	2.25	Noise Criteria (NC)	621	828	1035	1242	1449	1656	2070	2484	2898
		Air Flow	-	-	15	19	23	26	32	36	40
24x14	2.33	Noise Criteria (NC)	642	856	1070	1284	1498	1712	2140	2568	2996
		Air Flow	-	-	15	19	23	26	32	36	40
30x12	2.50	Noise Criteria (NC)	687	916	1145	1374	1603	1832	2290	2748	3206
		Air Flow	-	-	15	20	23	27	32	37	40
24x16	2.67	Noise Criteria (NC)	738	984	1230	1476	1722	1968	2460	2952	3444
		Air Flow	-	-	15	20	24	27	32	37	41
20x20	2.78	Noise Criteria (NC)	771	1028	1285	1542	1799	2056	2570	3084	3598
		Air Flow	-	-	16	20	24	27	33	37	41
36x12	3.00	Noise Criteria (NC)	825	1100	1375	1650	1925	2200	2750	3300	3850
		Air Flow	-	-	16	20	24	27	33	37	41
30x16 24x20	3.33	Noise Criteria (NC)	933	1244	1555	1866	2177	2488	3110	3732	4354
		Air Flow	-	11	16	21	25	28	33	38	42
22x22	3.36	Noise Criteria (NC)	942	1256	1570	1884	2198	2512	3140	3768	4396
		Air Flow	-	11	17	21	25	28	34	38	42
42x12 36x14	3.50	Noise Criteria (NC)	966	1288	1610	1932	2254	2576	3220	3864	4508
		Air Flow	-	11	17	21	25	28	34	38	42
24x22	3.67	Noise Criteria (NC)	1029	1372	1715	2058	2401	2744	3430	4116	4802
		Air Flow	-	11	17	21	25	28	34	38	42

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Tests conducted with straight rigid inlet condition. Other inlet conditions may alter performance.
3. Unit of measure: Core velocity=fpm; Velocity Pressure=in.wc.
4. NC is based upon 10 db room absorption (Re: 10⁻¹² watts).
5. Dash "-" indicates NC less than 10.



ENGINEERING DATA

SDAPG-R, SDAPG-U

Nom. Duct Size (in.)	Nom. Duct Area (ft ²)	Core Velocity	300	400	500	600	700	800	1000	1200	1400
		Velocity Pressure	0.006	0.01	0.016	0.022	0.031	0.04	0.062	0.09	0.122
		Neg. Static Pressure	0.029	0.051	0.079	0.114	0.156	0.203	0.318	0.458	0.623

30x18	3.75	Noise Criteria (NC)	1050	1400	1750	2100	2450	2800	3500	4200	4900
		Air Flow	-	12	17	21	25	29	34	38	42

48x12 24x24	4.00	Noise Criteria (NC)	1125	1500	1875	2250	2625	3000	3750	4500	5250
		Air Flow	-	12	17	22	26	29	34	39	43

36x18	4.50	Noise Criteria (NC)	1266	1688	2110	2532	2954	3376	4220	5064	5908
		Air Flow	-	12	18	22	26	29	35	39	43

36x20 30x24	5.00	Noise Criteria (NC)	1413	1884	2355	2826	3297	3768	4710	5652	6594
		Air Flow	-	13	18	23	27	30	35	40	44

42x18	5.25	Noise Criteria (NC)	1482	1976	2470	2964	3458	3952	4940	5928	6916
		Air Flow	-	13	18	23	27	30	36	40	44

28x28	5.44	Noise Criteria (NC)	1548	2064	2580	3096	3612	4128	5160	6192	7224
		Air Flow	-	13	19	23	27	30	36	40	44

42x20 30x28	5.83	Noise Criteria (NC)	1653	2204	2755	3306	3857	4408	5510	6612	7714
		Air Flow	-	13	19	23	27	30	36	40	44

48x18 36x24	6.00	Noise Criteria (NC)	1698	2264	2830	3396	3962	4528	5660	6792	7924
		Air Flow	-	14	19	24	27	31	36	41	44

30x30	6.25	Noise Criteria (NC)	1782	2376	2970	3564	4158	4752	5940	7128	8316
		Air Flow	-	14	19	24	28	31	36	41	45

42x24 36x28	7.00	Noise Criteria (NC)	1998	2664	3330	3996	4662	5328	6660	7992	9324
		Air Flow	-	14	20	24	28	31	37	41	45

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Tests conducted with straight rigid inlet condition. Other inlet conditions may alter performance.
3. Unit of measure: Core velocity=fpm; Velocity Pressure=in.wc.
4. NC is based upon 10 db room absorption (Re: 10⁻¹² watts).
5. Dash "-" indicates NC less than 10.

ENGINEERING DATA

SDAPG-R, SDAPG-U

Nom. Duct Size (in.)	Nom. Duct Area (ft²)	Core Velocity	300	400	500	600	700	800	1000	1200	1400
		Velocity Pressure	0.006	0.01	0.016	0.022	0.031	0.04	0.062	0.09	0.122
		Neg. Static Pressure	0.029	0.051	0.079	0.114	0.156	0.203	0.318	0.458	0.623

46x22	7.03	Noise Criteria (NC)	2004	2672	3340	4008	4676	5344	6680	8016	9352
		Air Flow	-	14	20	24	28	31	37	41	45

32x32	7.11	Noise Criteria (NC)	2034	2712	3390	4068	4746	5424	6780	8136	9492
		Air Flow	-	14	20	24	28	31	37	41	45

36x30	7.50	Noise Criteria (NC)	2148	2864	3580	4296	5012	5728	7160	8592	10024
		Air Flow	-	15	20	25	28	32	37	42	45

48x24 36x32	8.00	Noise Criteria (NC)	2289	3052	3815	4578	5341	6104	7630	9156	10682
		Air Flow	-	15	20	25	29	32	37	42	46

34x34	8.03	Noise Criteria (NC)	2304	3072	3840	4608	5376	6144	7680	9216	10752
		Air Flow	-	15	20	25	29	32	37	42	46

36x34	8.50	Noise Criteria (NC)	2442	3256	4070	4884	5698	6512	8140	9768	11396
		Air Flow	-	15	21	25	29	32	38	42	46

42x30	8.75	Noise Criteria (NC)	2514	3352	4190	5028	5866	6704	8380	10056	11732
		Air Flow	-	15	21	25	29	32	38	42	46

36x36	9.00	Noise Criteria (NC)	2589	3452	4315	5178	6041	6904	8630	10356	12082
		Air Flow	-	15	21	25	29	32	38	42	46

42x32 48x30	9.92	Noise Criteria (NC)	2880	3840	4800	5760	6720	7680	9600	11520	13440
		Air Flow	-	16	21	26	30	33	38	43	47

38x38	10.03	Noise Criteria (NC)	2892	3856	4820	5784	6748	7712	9640	11568	13496
		Air Flow	-	16	21	26	30	33	38	43	47

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Tests conducted with straight rigid inlet condition. Other inlet conditions may alter performance.
3. Unit of measure: Core velocity=fpm; Velocity Pressure=in.wc.
4. NC is based upon 10 db room absorption (Re: 10^{-12} watts).
5. Dash "-" indicates NC less than 10.



ENGINEERING DATA

SDAPG-R, SDAPG-U

Nom. Duct Size (in.)	Nom. Duct Area (ft ²)	Core Velocity	300	400	500	600	700	800	1000	1200	1400
		Velocity Pressure	0.006	0.01	0.016	0.022	0.031	0.04	0.062	0.09	0.122
		Neg. Static Pressure	0.029	0.051	0.079	0.114	0.156	0.203	0.318	0.458	0.623
42x36	10.50	Noise Criteria (NC)	3030	4040	5050	6060	7070	8080	10100	12120	14140
		Air Flow	-	16	22	26	30	33	39	43	47
46x34	10.86	Noise Criteria (NC)	3135	4180	5225	6270	7315	8360	10450	12540	14630
		Air Flow	-	16	22	26	30	33	39	43	47
42x38	11.08	Noise Criteria (NC)	3201	4268	5335	6402	7469	8536	10670	12804	14938
		Air Flow	-	16	22	26	30	33	39	43	47
40x40	11.11	Noise Criteria (NC)	3210	4280	5350	6420	7490	8560	10700	12840	14980
		Air Flow	-	16	22	26	30	33	39	43	47
48x36	12.00	Noise Criteria (NC)	3471	4628	5785	6942	8099	9256	11570	13884	16198
		Air Flow	-	17	22	27	30	34	39	44	47
42x42	12.25	Noise Criteria (NC)	3546	4728	5910	7092	8274	9456	11820	14184	16548
		Air Flow	-	17	22	27	31	34	39	44	48
44x44	13.44	Noise Criteria (NC)	3897	5196	6495	7794	9093	10392	12990	15588	18186
		Air Flow	-	17	23	27	31	34	40	44	48
48x42	14.00	Noise Criteria (NC)	4062	5416	6770	8124	9478	10832	13540	16248	18956
		Air Flow	-	17	23	27	31	34	40	44	48
46x46	14.69	Noise Criteria (NC)	4266	5688	7110	8532	9954	11376	14220	17064	19908
		Air Flow	11	18	23	28	31	35	40	45	48
48x46	15.33	Noise Criteria (NC)	4455	5940	7425	8910	10395	11880	14850	17820	20790
		Air Flow	11	18	23	28	32	35	40	45	49
48x48	16.00	Noise Criteria (NC)	4650	6200	7750	9300	10850	12400	15500	18600	21700
		Air Flow	11	18	23	28	32	35	40	45	49

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Tests conducted with straight rigid inlet condition. Other inlet conditions may alter performance.
3. Unit of measure: Core velocity=fpm; Velocity Pressure=in.wc.
4. NC is based upon 10 db room absorption (Re: 10⁻¹² watts).
5. Dash "-" indicates NC less than 10.