



# ENGINEERING DATA

## PG, APG

Nom. Duct Size (in.)	Nom. Duct Area (ft <sup>2</sup> )	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	Air Flow	57	79	95	114	133	152	190	228	266
		Noise Criteria (NC)	-	-	-	-	13	16	21	26	30
8x6	0.33	Air Flow	78	104	130	156	182	208	260	312	364
		Noise Criteria (NC)	-	-	-	-	14	17	23	27	31
10x6	0.42	Air Flow	102	136	170	204	238	272	340	408	476
		Noise Criteria (NC)	-	-	-	11	15	18	24	28	32
8x8	0.44	Air Flow	111	148	185	222	259	296	370	444	518
		Noise Criteria (NC)	-	-	-	12	15	19	24	29	33
12x6	0.50	Air Flow	123	164	205	246	287	328	410	492	574
		Noise Criteria (NC)	-	-	-	12	16	19	25	29	33
14x6	0.58	Air Flow	144	192	240	288	336	384	480	576	672
		Noise Criteria (NC)	-	-	-	13	17	20	25	30	34
16x6 12x8	0.67	Air Flow	171	228	285	342	399	456	570	684	798
		Noise Criteria (NC)	-	-	-	14	17	21	26	31	34
10x10	0.69	Air Flow	177	236	295	354	413	472	590	708	826
		Noise Criteria (NC)	-	-	-	14	18	21	26	31	35
18x6	0.75	Air Flow	189	252	315	378	441	504	630	756	882
		Noise Criteria (NC)	-	-	-	14	18	21	27	31	35
20x6 12x10	0.83	Air Flow	216	288	360	432	504	576	720	864	1008
		Noise Criteria (NC)	-	-	-	-	15	18	22	27	32

Notes:

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		Neg. Static Pressure	0.029	0.051	0.079	0.114	0.156	0.203	0.318	0.458	0.623
22x6	0.92	Air Flow	231	308	385	462	539	616	770	924	1078
		Noise Criteria (NC)	-	-	-	-	15	19	22	27	32
24x6 12x12	1.00	Air Flow	264	352	440	528	616	704	880	1056	1232
		Noise Criteria (NC)	-	-	-	11	15	19	23	28	32
30x6 18x10	1.25	Air Flow	333	444	555	666	777	888	1110	1332	1554
		Noise Criteria (NC)	-	-	-	12	16	20	24	29	33
14x14	1.36	Air Flow	366	488	610	732	854	976	1220	1464	1708
		Noise Criteria (NC)	-	-	-	12	17	21	24	29	34
36x6 18x12	1.50	Air Flow	405	540	675	810	945	1080	1350	1620	1890
		Noise Criteria (NC)	-	-	-	13	17	21	24	30	34
22x10	1.53	Air Flow	411	548	685	822	959	1096	1370	1644	1918
		Noise Criteria (NC)	-	-	-	13	17	21	24	30	34
30x8 24x10	1.67	Air Flow	447	596	745	894	1043	1192	1490	1788	2086
		Noise Criteria (NC)	-	-	-	13	18	22	25	30	35
42x6 18x14	1.75	Air Flow	477	636	795	954	1113	1272	1590	1908	2226
		Noise Criteria (NC)	-	-	-	14	18	22	25	31	35
16x16	1.78	Air Flow	486	648	810	972	1134	1296	1620	1944	2268
		Noise Criteria (NC)	-	-	14	18	22	25	31	35	39
24x12 18x16	2.00	Air Flow	546	728	910	1092	1274	1456	1820	2184	2548
		Noise Criteria (NC)	-	-	14	19	22	26	31	36	39

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

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		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	Air Flow	1050	1400	1750	2100	2450	2800	3500	4200	4900
		Noise Criteria (NC)	-	12	17	21	25	29	34	38	42
48x12 24x24	4.00	Air Flow	1125	1500	1875	2250	2625	3000	3750	4500	5250
		Noise Criteria (NC)	-	12	17	22	26	29	34	39	43
36x18	4.50	Air Flow	1266	1688	2110	2532	2954	3376	4220	5064	5908
		Noise Criteria (NC)	-	12	18	22	26	29	35	39	43
36x20 30x24	5.00	Air Flow	1413	1884	2355	2826	3297	3768	4710	5652	6594
		Noise Criteria (NC)	-	13	18	23	27	30	35	40	44
42x18	5.25	Air Flow	1482	1976	2470	2964	3458	3952	4940	5928	6916
		Noise Criteria (NC)	-	13	18	23	27	30	36	40	44
28x28	5.44	Air Flow	1548	2064	2580	3096	3612	4128	5160	6192	7224
		Noise Criteria (NC)	-	13	19	23	27	30	36	40	44
42x20 30x28	5.83	Air Flow	1653	2204	2755	3306	3857	4408	5510	6612	7714
		Noise Criteria (NC)	-	13	19	23	27	30	36	40	44
48x18 36x24	6.00	Air Flow	1698	2264	2830	3396	3962	4528	5660	6792	7924
		Noise Criteria (NC)	-	14	19	24	27	31	36	41	44
30x30	6.25	Air Flow	1782	2376	2970	3564	4158	4752	5940	7128	8316
		Noise Criteria (NC)	-	14	19	24	28	31	36	41	45
42x24 36x28	7.00	Air Flow	1998	2664	3330	3996	4662	5328	6660	7992	9324
		Noise Criteria (NC)	-	14	20	24	28	31	37	41	45

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

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

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

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

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

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

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

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

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

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

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

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