



# Performance Data

## Model SEC-3, 0 Degree Supply Performance Data

Duct Size	Norm Duct	Core Area	Core Vel	300	400	500	600	700	800	900	1000	1200	
Norm	Norm	Norm	Ps	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.09	0.13	
6"	6"	0.25	0.16	CFM	50	60	80	90	110	130	140	160	190
				NC	<20	<20	<20	<20	21	25	29	32	38
				Throw	5   8   14	6   10   15	9   13   18	10   13   19	12   15   21	13   16   23	14   17   23	14   18   25	16   19   27
8"	8"	0.44	0.32	CFM	90	130	160	190	220	250	280	320	380
				NC	<20	<20	<20	20	24	28	32	35	41
				Throw	7   10   19	10   15   23	12   18   25	14   19   27	16   21   29	18   22   31	19   23   33	20   25   35	22   27   39
10"	8"	0.56	0.41	CFM	120	160	210	250	290	330	370	410	490
				NC	<20	<20	<20	21	25	30	33	36	42
				Throw	8   12   22	11   16   25	14   20   29	16   22   31	19   24   34	21   25   36	22   27   38	23   28   40	25   31   44
12"	12"	1.00	0.80	CFM	240	320	400	480	560	640	720	800	960
				NC	<20	<20	<20	24	28	32	36	39	45
				Throw	11   17   31	15   23   35	19   28   40	23   31   43	26   33   47	29   35   50	31   38   53	32   40   56	35   43   61
16"	12"	1.33	1.10	CFM	330	440	550	660	770	880	990	1100	1320
				NC	<20	<20	20	25	30	34	37	41	46
				Throw	13   20   36	18   27   42	22   33   46	27   36   51	31   39   55	34   42   59	36   44   62	38   46   66	42   51   72
16"	16"	1.78	1.51	CFM	450	600	760	910	1060	1210	1360	1510	1810
				NC	<20	<20	21	26	31	35	39	42	47
				Throw	15   23   42	21   31   48	26   39   55	31   42   60	36   46   64	40   49   69	42   52   73	44   54   77	49   60   84
20"	16"	2.22	1.92	CFM	580	770	960	1150	1340	1540	1730	1920	2300
				NC	<20	<20	22	28	32	36	40	43	49
				Throw	18   26   48	23   35   55	29   43   61	35   47   67	41   51   72	45   55   78	48   58   82	50   61   87	55   67   95
20"	20"	2.78	2.44	CFM	730	980	1220	1460	1710	1950	2200	2440	2930
				NC	<20	<20	23	29	33	37	41	44	50
				Throw	20   30   53	26   40   62	33   49   69	39   53   76	46   58   82	50   62   87	54   66   93	56   69   98	62   76   107
22"	22"	3.36	2.99	CFM	900	1200	1500	1790	2090	2390	2690	2990	3590
				NC	<20	<20	24	29	34	38	42	45	50
				Throw	22   33   59	29   44   69	37   54   77	44   59   84	51   64   91	56   68   97	59   73   103	63   77   108	68   84   119
24"	24"	4.00	3.59	CFM	1080	1440	1800	2160	2520	2880	3230	3590	4310
				NC	<20	<20	25	30	35	39	43	46	51
				Throw	24   36   65	32   48   75	40   59   84	48   65   92	56   70   99	61   75   106	65   80   113	68   84   119	75   92   130
32"	20"	4.44	4.00	CFM	1200	1600	2000	2400	2800	3200	3600	4000	4800
				NC	<20	<20	25	31	35	39	43	46	52
				Throw	25   38   69	34   51   79	42   63   89	51   69   97	59   74   105	65   79   112	69   84   119	72   89   125	79   97   137
28"	24"	4.67	4.23	CFM	1270	1690	2110	2540	2960	3380	3800	4230	5070
				NC	<20	<20	25	31	36	40	43	46	52
				Throw	26   39   71	35   52   81	43   64   91	52   71   100	61   76   108	66   81   115	70   86   122	74   91   129	81   100   141
30"	26"	5.42	4.94	CFM	1480	1980	2470	2960	3460	3950	4450	4940	5930
				NC	<20	<20	26	32	36	40	44	47	53
				Throw	28   42   76	38   56   88	47   70   98	56   76   108	66   82   116	72   88   124	76   93   132	80   98   139	88   108   152
30"	28"	5.83	5.34	CFM	1600	2140	2670	3200	3740	4270	4810	5340	6410
				NC	<20	20	26	32	37	41	44	47	53
				Throw	29   44   79	39   59   92	49   72   102	58   79   112	68   86   121	75   91   129	79   97   137	84   102   145	92   112   159
32"	30"	6.67	6.14	CFM	1840	2460	3070	3680	4300	4910	5530	6140	7370
				NC	<20	20	27	33	37	41	45	48	54
				Throw	31   47   85	42   63   98	52   78   110	63   85   120	73   92   130	80   98   139	85   104   147	90   110   155	98   120   170
38"	28"	7.39	6.83	CFM	2050	2730	3410	4100	4780	5460	6140	6830	8190
				NC	<20	21	28	33	38	42	45	49	54
				Throw	33   50   90	44   66   103	55   82   116	66   90   127	77   97   137	84   103   146	90   110   155	94   116   164	103   127   179
40"	32"	8.89	8.27	CFM	2480	3310	4140	4960	5790	6620	7450	8270	9930
				NC	<20	22	28	34	39	43	46	49	55
				Throw	36   55   99	49   73   114	61   90   127	73   99   139	85   107   151	93   114   161	99   121   171	104   127   180	114   140   197
42"	36"	10.50	9.83	CFM	2950	3930	4920	5900	6880	7870	8850	9830	11800
				NC	<20	22	29	35	39	43	47	50	56
				Throw	40   60   108	53   79   124	66   98   139	79   108   152	93   116   164	101   124   176	108   132   186	113   139   196	124   152   215
40"	40"	11.11	10.43	CFM	3130	4170	5210	6260	7300	8340	9380	10430	12510
				NC	<20	23	29	35	40	44	47	50	56
				Throw	41   61   111	54   82   128	68   101   143	82   111   157	95   120   169	104   128   181	111   136   192	117   143   202	128   157   221
48"	48"	16.00	15.18	CFM	4550	6070	7590	9110	10620	12140	13660	15180	18210
				NC	<20	24	31	37	41	45	49	52	58
				Throw	49   74   134	66   99   154	82   122   172	99   134   189	115   144   204	126   154   218	134   164   231	141   172   244	154   189   267
72"	48"	24.00	22.97	CFM	6890	9190	11480	13780	16080	18380	20670	22970	27560
				NC	<20	26	33	38	43	47	51	54	59
				Throw	61   91   164	81   121   190	101   150   212	121   164   232	141   178   251	155   190   268	164   201   285	173   212   300	190   232   329
96"	48"	32.00	30.76	CFM	9230	12300	15380	18460	21530	24610	27680	30760	36910
				NC	<20	27	34	40	44	48	52	55	61
				Throw	70   105   190	94   140   220	117   174   246	140   190   269	164   205   291	179   220   311	190   233   329	200   246   347	220   269   380

- Data Determined in accordance with ANSI/ASHRAE Standard 70-91.
- NC noise criteria based on a room attenuation of 10 dB from sound power levels, re: 10-12 watts.
- Ps is static pressure, inches of water.
- Throw values shown are in feet, to terminal velocities Vt = 150, 100, & 50 fpm, respectively.
- Cor Vel is velocity in feet per minute.
- For 15 degree upward deflection (Model GHD15), use throw ratings as shown, increase Ps x 1.15, add +NC2
- For other sizes not shown, use equivalent core area.



# Performance Data

Nominal Size		Nom Duct ft2	Core Area ft2	Core vel, rpm	300	400	500	600	700	800	900	1000	1200
W Width	H Height			Ps	-0.01	-0.02	-0.03	-0.04	-0.06	-0.08	-0.10	-0.12	-0.18
6	6	0.25	0.16	CFM	50	60	80	90	110	130	140	160	190
				NC	<20	<20	<20	<20	<20	23	26	29	34
8	8	0.44	0.32	CFM	90	130	160	190	220	250	280	320	380
				NC	<20	<20	<20	<20	22	26	29	32	37
12	6	0.50	0.35	CFM	110	140	180	210	250	280	320	350	430
				NC	<20	<20	<20	<20	22	26	30	33	38
10	10	0.69	0.53	CFM	160	210	270	320	370	430	480	530	640
				NC	<20	<20	<20	20	24	28	31	34	40
18	6	0.75	0.55	CFM	170	220	280	330	390	440	500	550	660
				NC	<20	<20	<20	20	24	28	31	35	40
12	12	1.00	0.80	CFM	240	320	400	480	560	640	720	800	960
				NC	<20	<20	<20	21	26	30	33	36	41
14	14	1.36	1.13	CFM	340	450	560	680	790	900	1020	1130	1350
				NC	<20	<20	<20	23	27	31	35	38	43
18	12	1.50	1.25	CFM	380	500	630	750	880	1000	1130	1250	1500
				NC	<20	<20	<20	23	28	32	35	38	43
24	10	1.67	1.38	CFM	410	550	690	830	970	1110	1240	1380	1660
				NC	<20	<20	<20	24	28	32	35	39	44
24	12	2.00	1.70	CFM	510	680	850	1020	1190	1360	1530	1700	2040
				NC	<20	<20	<20	25	29	33	36	39	45
30	12	2.50	2.15	CFM	640	860	1070	1290	1500	1720	1930	2150	2580
				NC	<20	<20	20	26	30	34	37	40	46
24	24	4.00	3.59	CFM	1080	1440	1800	2160	2520	2880	3230	3590	4310
				NC	<20	<20	23	28	32	36	40	43	48
30	30	6.25	5.74	CFM	1720	2300	2870	3440	4020	4590	5170	5740	6890
				NC	<20	<20	25	30	34	38	42	45	50
48	24	8.00	7.39	CFM	2220	2950	3690	4430	5170	5910	6650	7390	8860
				NC	<20	<20	26	31	35	39	43	46	51
38	38	10.03	9.38	CFM	2810	3750	4690	5630	6570	7500	8440	9380	11250
				NC	<20	20	27	32	37	40	44	47	52
48	36	12.00	11.28	CFM	3380	4510	5640	6770	7900	9030	10150	11280	13540
				NC	<20	21	28	33	37	41	45	48	53
48	42	14.00	13.23	CFM	3970	5290	6610	7940	9260	10580	11910	13230	15880
				NC	<20	22	28	34	38	42	45	48	54
48	48	16.00	15.18	CFM	4550	6070	7590	9110	10620	12140	13660	15180	18210
				NC	<20	22	29	34	39	42	46	49	54

-Data determined in accordance with ANSI/ASHRAE Standard 70-91

-NC noise criteria based on room attenuation of 10 dB from sound power levels, re:10-12 watts

-Ps is static pressure, inches of water

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# Performance Data

Width	Height	Duct ft2	Area ft2	Ps	-0.03	-0.06	-0.11	-0.18	-0.26	-0.35	-0.46
6"	6"	0.25	0.16	CFM	30	50	60	80	90	110	130
				NC	<20	<20	<20	20	25	30	34
8"	8"	0.44	0.32	CFM	60	90	130	160	190	220	250
				NC	<20	<20	<20	23	28	33	37
12"	6"	0.50	0.35	CFM	70	110	140	180	210	250	280
				NC	<20	<20	<20	23	29	34	38
10"	10"	0.69	0.53	CFM	110	160	210	270	320	370	430
				NC	<20	<20	<20	25	31	35	39
18"	6"	0.75	0.55	CFM	110	170	220	280	330	390	440
				NC	<20	<20	<20	25	31	35	40
12"	12"	1.00	0.80	CFM	160	240	320	400	480	560	640
				NC	<20	<20	20	27	32	37	41
14"	14"	1.36	1.13	CFM	230	340	450	560	680	790	900
				NC	<20	<20	22	28	34	39	43
18"	12"	1.50	1.25	CFM	250	380	500	630	750	880	1000
				NC	<20	<20	22	29	34	39	43
24"	10"	1.67	1.38	CFM	280	410	550	690	830	970	1110
				NC	<20	<20	22	29	35	39	43
24"	12"	2.00	1.70	CFM	340	510	680	850	1020	1190	1360
				NC	<20	<20	23	30	36	40	44
30"	12"	2.50	2.15	CFM	430	640	860	1070	1290	1500	1720
				NC	<20	<20	24	31	37	41	45
24"	24"	4.00	3.59	CFM	720	1080	1440	1800	2160	2520	2880
				NC	<20	<20	27	33	39	44	48
30"	30"	6.25	5.74	CFM	1150	1720	2300	2870	3440	4020	4590
				NC	<20	20	29	35	41	46	50
48"	24"	8.00	7.39	CFM	1480	2220	2950	3690	4430	5170	5910
				NC	<20	21	30	37	42	47	51
38"	38"	10.03	9.38	CFM	1880	2810	3750	4690	5630	6570	7500
				NC	<20	22	31	38	43	48	52
48"	36"	12.00	11.28	CFM	2260	3380	4510	5640	6770	7900	9030
				NC	<20	23	32	38	44	49	53
48"	42"	14.00	13.23	CFM	2650	3970	5290	6610	7940	9260	10580
				NC	<20	24	32	39	45	49	53
48"	48"	16.00	15.18	CFM	3040	4550	6070	7590	9110	10620	12140
				NC	<20	24	33	40	45	50	54

-Data determined in accordance with ANSI/ASHRAE Standard 70-91

-NC noise criteria based on room attenuation of 10 dB from sound power levels, re:10-12 watts

-Ps is static pressure, inches of water

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