

## MODEL SEG-4 - Supply Performance Data

### 13/16" Square Holes on 1" Centers; No Deflectors

Nominal Size		Nom Duct Area, ft <sup>2</sup>	Core Vel, fpm Ps	300	400	500	600	700	800	900
W Width	H Height									
6"	6"	0.25	CFM	69	92	115	138	161	184	207
			NC	<20	<20	<20	<20	23	28	32
8"	8"	0.44	CFM	125	167	209	250	292	334	375
			NC	<20	<20	<20	21	26	31	35
10"	8"	0.56	CFM	157	210	262	315	367	420	472
			NC	<20	<20	<20	22	28	33	37
10"	10"	0.69	CFM	198	264	330	396	462	528	594
			NC	<20	<20	<20	23	29	34	38
12"	12"	1.00	CFM	288	384	479	575	671	767	863
			NC	<20	<20	<20	26	31	36	41
14"	14"	1.36	CFM	394	525	656	788	919	1050	1182
			NC	<20	<20	21	28	33	38	42
18"	14"	1.75	CFM	508	678	847	1017	1186	1356	1525
			NC	<20	<20	23	29	35	40	44
18"	18"	2.25	CFM	656	875	1094	1313	1532	1750	1969
			NC	<20	<20	24	31	36	41	46
20"	20"	2.78	CFM	813	1084	1354	1625	1896	2167	2438
			NC	<20	<20	25	32	38	43	47
24"	24"	4.00	CFM	1175	1567	1959	2350	2742	3134	3525
			NC	<20	<20	28	34	40	45	49
32"	32"	7.11	CFM	2100	2800	3500	4200	4900	5600	6300
			NC	<20	23	31	38	43	48	53

Data determined in accordance with ANSI/ASHRAE Standard 70-1991

Data based on Actual Neck Size = Nominal Neck Size - 1/4"

Ps - Static Pressure, inches w.g.

NC - Noise Criteria based on room attenuation of 10 dB



**KEES INCORPORATED**  
400 S. Industrial Dr. • P.O. Box L  
Elkhart Lake, WI 53020

Phone: (920) 876-3391  
Fax: (920) 876-3065  
Website: [www.kees.com](http://www.kees.com)

# MODEL SEG-4 - Return Performance Data

13/16" Square Holes on 1" Centers; No Deflectors

Nominal Size		Nom Duct Area, ft <sup>2</sup>	Core Vel, fpm Ps	300	400	500	600	700	800	900
W Width	H Height									
6"	6"	0.25	CFM	69	92	115	138	161	184	207
			NC	<20	<20	<20	<20	25	30	34
8"	8"	0.44	CFM	125	167	209	250	292	334	375
			NC	<20	<20	<20	23	28	33	37
10"	8"	0.56	CFM	157	210	262	315	367	420	472
			NC	<20	<20	<20	24	30	35	39
10"	10"	0.69	CFM	198	264	330	396	462	528	594
			NC	<20	<20	<20	25	31	36	40
12"	12"	1.00	CFM	288	384	479	575	671	767	863
			NC	<20	<20	21	28	33	38	43
14"	14"	1.36	CFM	394	525	656	788	919	1050	1182
			NC	<20	<20	23	30	35	40	44
18"	14"	1.75	CFM	508	678	847	1017	1186	1356	1525
			NC	<20	<20	25	31	37	42	46
18"	18"	2.25	CFM	656	875	1094	1313	1532	1750	1969
			NC	<20	<20	26	33	38	43	48
20"	20"	2.78	CFM	813	1084	1354	1625	1896	2167	2438
			NC	<20	<20	27	34	40	45	49
24"	24"	4.00	CFM	1175	1567	1959	2350	2742	3134	3525
			NC	<20	22	30	36	42	47	51
32"	32"	7.11	CFM	2100	2800	3500	4200	4900	5600	6300
			NC	<20	25	33	40	45	50	55

Data determined in accordance with ANSI/ASHRAE Standard 70-1991

Data based on Actual Neck Size = Nominal Neck Size - 1/4"

Ps - Static Pressure, inches w.g.

NC - Noise Criteria based on room attenuation of 10 dB



**KEES INCORPORATED**  
400 S. Industrial Dr. • P.O. Box L  
Elkhart Lake, WI 53020

Phone: (920) 876-3391  
Fax: (920) 876-3065  
Website: [www.kees.com](http://www.kees.com)

# MODEL SEG-4P - Supply Performance Data

5/16" Diameter Holes on 7/16" Stg. Centers

Nominal Size		Nom Duct Area, ft <sup>2</sup>	Core Vel, fpm Ps	200	300	400	500	600	700
W Width	H Height			0.01	0.02	0.04	0.06	0.09	0.12
6"	6"	0.25	CFM	50	70	90	110	140	160
			NC	<20	<20	<20	24	29	34
			Throw	3   5   10	4   7   13	6   9   15	7   10   17	9   13   19	10   14   20
8"	8"	0.44	CFM	80	130	170	210	250	290
			NC	<20	<20	20	27	32	37
			Throw	4   6   11	6   9   18	8   12   21	10   15   23	12   18   25	14   19   27
10"	8"	0.56	CFM	100	160	210	260	310	370
			NC	<20	<20	21	28	33	38
			Throw	4   6   13	7   10   20	9   13   23	11   16   26	13   20   28	16   22   31
10"	10"	0.69	CFM	130	200	260	330	400	460
			NC	<20	<20	22	29	34	39
			Throw	5   7   15	8   11   23	10   15   26	12   19   29	15   23   32	17   24   35
12"	12"	1.00	CFM	190	290	380	480	580	670
			NC	<20	<20	23	30	36	40
			Throw	6   9   18	9   14   27	12   18   31	15   22   35	18   27   39	21   30   42
14"	14"	1.36	CFM	260	390	530	660	790	920
			NC	<20	<20	25	31	37	42
			Throw	7   10   21	10   16   31	14   21   37	18   26   41	21   32   45	24   35   49
18"	14"	1.75	CFM	340	510	680	850	1020	1190
			NC	<20	<20	26	33	38	43
			Throw	8   12   24	12   18   36	16   24   42	20   30   47	24   36   51	28   39   56
18"	18"	2.25	CFM	440	660	880	1090	1310	1530
			NC	<20	<20	27	34	39	44
			Throw	9   14   27	14   20   41	18   27   48	22   34   53	27   40   58	32   45   63
20"	20"	2.78	CFM	540	810	1080	1350	1630	1900
			NC	<20	<20	28	35	40	45
			Throw	10   15   30	15   22   45	20   30   53	25   37   59	30   45   65	35   50   70
24"	24"	4.00	CFM	780	1180	1570	1960	2350	2740
			NC	<20	21	29	36	42	46
			Throw	12   18   36	18   27   55	24   36   64	30   45   71	36   54   78	42   60   84
32"	32"	7.11	CFM	1400	2100	2800	3500	4200	4900
			NC	<20	23	32	39	44	49
			Throw	16   24   48	24   36   73	32   48   85	40   60   95	48   73   104	56   80   113

Data determined in accordance with ANSI/ASHRAE Standard 70-1991

Ps - Static Pressure, inches w.g.

Throw - Distance, in feet, to terminal velocities of 150,100,50 fpm, respectively.

NC - Noise Criteria based on room attenuation of 10 dB

For Return use, -Ps = Ps (above) x 1.2, NC = NC (above) +2



**KEES INCORPORATED**  
400 S. Industrial Dr. • P.O. Box L  
Elkhart Lake, WI 53020

Phone: (920) 876-3391  
Fax: (920) 876-3065  
Website: www.kees.com