

Perforated Supply Grille

Nominal Duct Size (in.)	Nominal Duct Area (ft ²)	Core Area (ft ²)	Core Velocity Velocity Pressure Neg. Static Pressure	NC 10		NC 20		NC 30		NC 40		
				300 0.006 0.029	400 0.010 0.051	500 0.016 0.079	600 0.022 0.114	700 0.031 0.156	800 0.040 0.203	1000 0.062 0.318	1200 0.090 0.458	1400 0.122 0.623
48x12 24x24	4.00	3.75	Air Flow, cfm NC	1125 -	1500 12	1875 17	2250 22	2625 26	3000 29	3750 34	4500 39	5250 43
36x18 36x20	4.50	4.22	Air Flow, cfm NC	1266 -	1688 12	2110 18	2532 22	2954 26	3376 29	4220 35	5064 39	5908 43
30x24 42x18	5.00	4.71	Air Flow, cfm NC	1413 -	1884 13	2355 18	2826 23	3297 27	3768 30	4710 35	5652 40	6594 44
28x28 42x20	5.44	5.16	Air Flow, cfm NC	1482 -	1976 13	2470 18	2964 23	3458 27	3952 30	4940 36	5928 40	6916 44
30x28 48x18	5.83	5.51	Air Flow, cfm NC	1548 -	2064 13	2580 19	3096 23	3612 27	4128 30	5160 36	6192 40	7224 44
36x24 48x18	6.00	5.66	Air Flow, cfm NC	1653 -	2204 13	2755 19	3306 23	3857 27	4408 30	5510 36	6612 40	7714 44
30x30 42x24	6.25	5.94	Air Flow, cfm NC	1698 -	2264 14	2830 19	3396 24	3962 27	4528 31	5660 36	6792 41	7924 44
36x28 42x24	7.00	6.66	Air Flow, cfm NC	1782 -	2376 14	2970 19	3564 24	4158 28	4752 31	5940 36	7128 41	8316 45
46x22 32x32	7.03	6.68	Air Flow, cfm NC	1998 -	2664 14	3330 20	3996 24	4662 28	5328 31	6660 37	7992 41	9324 45
32x32 36x30	7.11	6.78	Air Flow, cfm NC	2004 -	2672 14	3340 20	4008 24	4676 28	5344 31	6680 37	8016 41	9352 45
48x24 36x32	7.50	7.16	Air Flow, cfm NC	2034 -	2712 14	3390 20	4068 24	4746 28	5424 31	6780 37	8136 41	9492 45
34x34 36x34	7.55	7.16	Air Flow, cfm NC	2148 -	2864 15	3580 20	4296 25	5012 28	5728 32	7160 37	8592 42	10024 45
48x24 36x32	8.00	7.63	Air Flow, cfm NC	2289 -	3052 15	3815 20	4578 25	5341 29	6104 32	7630 37	9156 42	10682 46
34x34 36x34	8.03	7.68	Air Flow, cfm NC	2304 -	3072 15	3840 20	4608 25	5376 29	6144 32	7680 37	9216 42	10752 46
36x34 42x30	8.50	8.14	Air Flow, cfm NC	2442 -	3256 15	4070 21	4884 25	5698 29	6512 32	8140 38	9768 42	11396 46
42x30 36x36	8.75	8.38	Air Flow, cfm NC	2514 -	3352 15	4190 21	5028 25	5866 29	6704 32	8380 38	10056 42	11732 46
36x36 42x34	9.00	8.63	Air Flow, cfm NC	2589 -	3452 15	4315 21	5178 25	6041 29	6904 32	8630 38	10356 42	12082 46
42x34 48x30	10.00	9.6	Air Flow, cfm NC	2880 -	3840 16	4800 21	5760 26	6720 30	7680 33	9600 38	11520 43	13440 47
38x38 42x36	10.03	9.64	Air Flow, cfm NC	2892 -	3856 16	4820 21	5784 26	6748 30	7712 33	9640 38	11568 43	13496 47
42x36 46x34	10.50	10.1	Air Flow, cfm NC	3030 -	4040 16	5050 22	6060 26	7070 30	8080 33	10100 39	12120 43	14140 47
46x34 42x38	10.86	10.45	Air Flow, cfm NC	3135 -	4180 16	5225 22	6270 26	7315 30	8360 33	10450 39	12540 43	14630 47
42x38 40x40	11.08	10.67	Air Flow, cfm NC	3201 -	4268 16	5335 22	6402 26	7469 30	8536 33	10670 39	12804 43	14938 47
40x40 48x36	11.11	10.7	Air Flow, cfm NC	3210 -	4280 16	5350 22	6420 26	7490 30	8560 33	10700 39	12840 43	14980 47
48x36 42x42	12.00	11.57	Air Flow, cfm NC	3471 -	4628 17	5785 22	6942 27	8099 30	9256 34	11570 39	13884 44	16198 47
42x42 44x44	12.25	11.82	Air Flow, cfm NC	3546 -	4728 17	5910 22	7092 27	8274 31	9456 34	11820 39	14184 44	16548 48
44x44 48x42	13.44	12.99	Air Flow, cfm NC	3897 -	5196 17	6495 23	7794 27	9093 31	10392 34	12990 40	15588 44	18186 48
48x42 46x46	14.00	13.54	Air Flow, cfm NC	4062 -	5416 17	6770 23	8124 27	9478 31	10832 34	13540 40	16248 44	18956 48
46x46 48x46	14.69	14.22	Air Flow, cfm NC	4266 11	5688 18	7110 23	8532 28	9954 31	11376 35	14220 40	17064 45	19908 48
48x46 48x48	15.33	14.85	Air Flow, cfm NC	4455 11	5940 18	7425 23	8910 28	10395 32	11880 35	14850 40	17820 45	20790 49
48x48	16.00	15.50	Air Flow, cfm NC	4650 11	6200 18	7750 23	9300 28	10850 32	12400 35	15500 40	18600 45	21700 49

Static pressures are negative, in inches of water, measured per ASHRAE 70-91
 NC based on room absorption of 10dB, re 10⁻¹² watts, measured per ASHRAE 70-91