PERFORMANCE DATA

STG

Core Area (sq. ft.)	Nominal Size			Core Velocity (fpm)	100	150	200	250	300	350	400
				Velocity Pressure (in. w.g.)	0.0006	0.001	0.002	0.004	0.006	0.008	0.010
				Neg. Static Pressure (in. w.g.)	0.011	0.026	0.046	0.073	0.104	0.141	0.186
0.25	10 x 4 8 x 5	7 x 6		**Flow Rate (cfm)** **Sound (NC)**	25 -	38 -	50 -	63 -	75 16	88 20	100 24
0.50	24 x 4 18 x 5	16 x 6		**Flow Rate (cfm)** **Sound (NC)**	50 -	75 -	100 -	125 20	150 26	175 29	200 32
0.75	32 x 4 26 x 5	20 x 6 16 x 8	12 x 10	**Flow Rate (cfm)** **Sound (NC)**	75 -	113 -	150 19	188 25	225 30	263 34	300 37
1.00	28 x 6 20 x 8	16 x 10 14 x 12		**Flow Rate (cfm)** **Sound (NC)**	100 -	150 15	200 23	250 29	300 33	350 37	400 41
1.50	30 x 8 24 x 10	20 x 12 16 x 14		**Flow Rate (cfm)** **Sound (NC)**	150 -	225 20	300 28	375 33	450 38	525 42	600 45
2.00	40 x 8 32 x 10	26 x 12 22 x 14	20 x 16	**Flow Rate (cfm)** **Sound (NC)**	200 -	300 24	400 31	500 37	600 42	700 46	800 49
2.50	40 x 10 32 x 12	28 x 14 24 x 16	22 x 18	**Flow Rate (cfm)** **Sound (NC)**	250 16	375 27	500 34	625 40	750 44	875 48	1000 52
3.00	40 x 12 34 x 14	30 x 16 26 x 18	24 x 20	**Flow Rate (cfm)** **Sound (NC)**	300 18	450 29	600 36	750 42	900 47	1050 50	1200 54
3.50	38 x 14 34 x 16	30 x 18 28 x 20	24 x 22	**Flow Rate (cfm)** **Sound (NC)**	350 20	525 31	700 38	875 44	1050 48	1225 52	1400 56
4.00	38 x 16 34 x 18	32 x 20 28 x 22	26 x 24	**Flow Rate (cfm)** **Sound (NC)**	400 22	600 32	800 40	1000 45	1200 50	1400 54	1600 57
4.50	38 x 18 34 x 20	32 x 22 28 x 24	26 x 26	**Flow Rate (cfm)** **Sound (NC)**	450 23	675 34	900 41	1125 47	1350 51	1575 55	1800 59
5.00	38 x 20 34 x 22	32 x 24 30 x 26	28 x 28	**Flow Rate (cfm)** **Sound (NC)**	500 25	750 35	1000 42	1250 48	1500 53	1750 57	2000 60

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2023 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Air flow is in cfm.
3. All pressures are in in. w.g. s.p. = Static Pressure
4. NC values are based on room absorption of 10 dB, re 10^{-12} watts.
5. Blanks "-" indicate an NC level below 15.

PERFORMANCE DATA

ATG1/ATG2

Core Area (sq. ft.)	Nominal Size			Core Velocity (fpm)	100	150	200	250	300	350	400
				Velocity Pressure (in. w.g.)	0.0006	0.001	0.002	0.004	0.006	0.008	0.010
				Neg. Static Pressure (in. w.g.)	0.012	0.019	0.048	0.075	0.108	0.147	0.193
0.25	10 x 4	7 x 6		Flow Rate (cfm)	25	38	50	63	75	88	100
	8 x 5			Sound (NC)	-	17	23	28	32	35	38
0.50	24 x 4	16 x 6		Flow Rate (cfm)	50	75	100	125	150	175	200
	18 x 5			Sound (NC)	-	20	27	32	36	39	42
0.75	32 x 4	20 x 6	12 x 10	Flow Rate (cfm)	75	113	150	188	225	263	300
	26 x 5	16 x 8		Sound (NC)	-	23	29	34	38	41	44
1.00	28 x 6	16 x 10		Flow Rate (cfm)	100	150	200	250	300	350	400
	20 x 8	14 x 12		Sound (NC)	15	24	30	35	39	43	46
1.50	30 x 8	20 x 12		Flow Rate (cfm)	150	225	300	375	450	525	600
	24 x 10	16 x 14		Sound (NC)	17	26	32	37	41	45	48
2.00	40 x 8	26 x 12	20 x 16	Flow Rate (cfm)	200	300	400	500	600	700	800
	32 x 10	22 x 14		Sound (NC)	19	28	34	39	43	46	49
2.50	40 x 10	28 x 14	22 x 18	Flow Rate (cfm)	250	375	500	625	750	875	1000
	32 x 12	24 x 16		Sound (NC)	20	29	35	40	44	47	50
3.00	40 x 12	30 x 16	22 x 20	Flow Rate (cfm)	300	450	600	750	900	1050	1200
	34 x 14	26 x 18		Sound (NC)	21	30	36	41	45	48	51
3.50	38 x 14	30 x 18	24 x 22	Flow Rate (cfm)	350	525	700	875	1050	1225	1400
	34 x 16	28 x 20		Sound (NC)	22	31	37	42	46	49	52
4.00	38 x 16	32 x 20	26 x 24	Flow Rate (cfm)	400	600	800	1000	1200	1400	1600
	34 x 18	28 x 22		Sound (NC)	22	31	38	43	47	50	53
4.50	38 x 18	32 x 22	26 x 26	Flow Rate (cfm)	450	675	900	1125	1350	1575	1800
	34 x 20	28 x 24		Sound (NC)	23	32	38	43	47	51	54
5.00	38 x 20	32 x 24	28 x 28	Flow Rate (cfm)	500	750	1000	1250	1500	1750	2000
	34 x 22	30 x 26		Sound (NC)	23	32	39	44	48	51	54

ATGH

Core Area sq. ft.	Nominal Size			Core Velocity (fpm)	100	150	200	250	300	350	400
				Velocity Pressure (in. w.g.)	0.0006	0.001	0.002	0.004	0.006	0.008	0.010
				Neg. Static Pressure (in. w.g.)	0.01	0.022	0.039	0.06	0.087	0.118	0.155
0.25	10 x 4	7 x 6		Flow Rate (cfm)	25	38	50	63	75	88	100
	8 x 5			Sound (NC)	-	-	-	17	22	25	29
0.50	20 x 4	14 x 6		Flow Rate (cfm)	50	75	100	125	150	175	200
	16 x 5			Sound (NC)	-	-	-	19	23	27	31
0.75	30 x 4	20 x 6	12 x 10	Flow Rate (cfm)	75	113	150	188	225	263	300
	24 x 5	14 x 8		Sound (NC)	-	-	-	20	24	29	32
1.00	26 x 6	16 x 10		Flow Rate (cfm)	100	150	200	250	300	350	400
	20 x 8	16 x 14		Sound (NC)	-	-	15	21	25	29	33
1.50	28 x 8	20 x 12		Flow Rate (cfm)	150	225	300	375	450	525	600
	22 x 10	16 x 14		Sound (NC)	-	-	16	22	26	30	34
2.00	30 x 10	20 x 14	20 x 16	Flow Rate (cfm)	200	300	400	500	600	700	800
	26 x 12	18 x 16		Sound (NC)	-	-	17	23	28	31	34
2.50	30 x 12	24 x 16	22 x 18	Flow Rate (cfm)	250	375	500	625	750	875	1000
	26 x 14	20 x 18		Sound (NC)	-	-	17	22	27	31	35
3.00	38 x 12	28 x 16	22 x 20	Flow Rate (cfm)	300	450	600	750	900	1050	1200
	32 x 14	26 x 18		Sound (NC)	-	-	18	23	28	32	35
3.50	38 x 14	30 x 18	24 x 22	Flow Rate (cfm)	350	525	700	875	1050	1225	1400
	34 x 16	26 x 20		Sound (NC)	-	-	18	24	28	32	36
4.00	38 x 16	30 x 20	26 x 24	Flow Rate (cfm)	400	600	800	1000	1200	1400	1600
	34 x 18	28 x 22		Sound (NC)	-	-	18	24	29	33	36
4.50	38 x 18	30 x 22	26 x 26	Flow Rate (cfm)	450	675	900	1125	1350	1575	1800
	34 x 20	28 x 24		Sound (NC)	-	-	19	24	29	33	36
5.00	38 x 20	32 x 24	28 x 28	Flow Rate (cfm)	500	750	1000	1250	1500	1750	2000
	34 x 22	30 x 26		Sound (NC)	-	-	19	25	29	33	37

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2023 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Air flow is in cfm.
3. All pressures are in in. w.g.
   s.p. = Static Pressure
4. NC values are based on room absorption of 10 dB, re 10^{-12} watts.
5. Blanks "-" indicate an NC level below 15.
6. *Negative s.p. for Series ATG2 is two times the value shown above for Series ATG 1.