



ENGINEERING DATA

AIR-TRAC™

UNI Continuous Slot

1.0" Slot Width	1-Slot	Airflow (CFM/Linear Foot)	30	46	62	78	94	110
		Static Pressure	0.040	0.095	0.172	0.270	0.395	0.542
		Throw	5 - 9 - 15	9 - 13 - 18	12 - 15 - 21	14 - 17 - 24	15 - 18 - 26	16 - 20 - 28
		Noise Criteria	-	22	31	38	44	49
	2-Slot	Airflow (CFM/Linear Foot)	60	86	112	138	164	190
		Static Pressure	0.041	0.084	0.142	0.216	0.305	0.412
		Throw	8 - 12 - 21	11 - 17 - 25	15 - 20 - 29	18 - 23 - 32	20 - 24 - 34	21 - 26 - 38
		Noise Criteria	-	23	32	38	44	48
1.5" Slot Width	1-Slot	Airflow (CFM/Linear Foot)	35	51	67	83	99	115
		Static Pressure	0.044	0.093	0.160	0.248	0.350	0.472
		Throw	7 - 11 - 16	10 - 14 - 19	13 - 16 - 22	14 - 17 - 24	15 - 19 - 27	16 - 21 - 29
		Noise Criteria	-	21	30	37	43	48
	2-Slot	Airflow (CFM/Linear Foot)	70	96	122	148	174	200
		Static Pressure	0.043	0.082	0.130	0.192	0.265	0.355
		Throw	10 - 15 - 23	14 - 19 - 27	17 - 21 - 30	19 - 23 - 33	21 - 25 - 36	22 - 27 - 38
		Noise Criteria	-	22	30	36	41	45
2.0" Slot Width	1-Slot	Airflow (CFM/Linear Foot)	35	56	77	98	119	140
		Static Pressure	0.027	0.07	0.133	0.217	0.320	0.440
		Throw	7 - 10 - 16	11 - 14 - 20	14 - 17 - 24	16 - 19 - 27	17 - 21 - 29	18 - 23 - 32
		Noise Criteria	-	17	27	35	41	45
	2-Slot	Airflow (CFM/Linear Foot)	70	106	142	178	214	250
		Static Pressure	0.027	0.063	0.113	0.178	0.258	0.352
		Throw	8 - 13 - 23	13 - 20 - 28	17 - 23 - 32	21 - 25 - 36	23 - 28 - 39	24 - 30 - 43
		Noise Criteria	-	17	26	34	40	45
2.5" Slot Width	1-Slot	Airflow (CFM/Linear Foot)	45	70	95	120	145	170
		Static Pressure	0.028	0.067	0.124	0.198	0.291	0.400
		Throw	7 - 10 - 18	11 - 16 - 22	15 - 18 - 26	17 - 21 - 29	19 - 23 - 32	20 - 25 - 35
		Noise Criteria	-	20	30	37	43	48
	2-Slot	Airflow (CFM/Linear Foot)	90	134	178	222	266	310
		Static Pressure	0.028	0.061	0.109	0.170	0.245	0.330
		Throw	10 - 15 - 26	15 - 22 - 31	19 - 25 - 36	23 - 28 - 40	25 - 31 - 44	27 - 34 - 47
		Noise Criteria	-	22	31	38	43	48
3.0" Slot Width	1-Slot	Airflow (CFM/Linear Foot)	50	80	110	140	170	200
		Static Pressure	0.030	0.078	0.148	0.240	0.360	0.495
		Throw	7 - 11 - 19	12 - 18 - 24	16 - 20 - 28	19 - 22 - 32	20 - 25 - 35	22 - 27 - 38
		Noise Criteria	-	-	26	34	40	45
	2-Slot	Airflow (CFM/Linear Foot)	100	160	220	280	340	400
		Static Pressure	0.03	0.078	0.148	0.24	0.36	0.495
		Throw	9 - 16 - 27	17 - 24 - 34	23 - 28 - 40	26 - 32 - 45	28 - 35 - 49	31 - 38 - 54
		Noise Criteria	-	19	29	37	43	48

See Page 11 for notes



ENGINEERING DATA

AIR-TRAC™

CTL Continuous Slot

1.0" Slot Width	1-Slot	Airflow (CFM/Linear Foot)	30	60	90	120	150	180
		Static Pressure	0.015	0.061	0.137	0.245	0.385	0.550
		Throw	3 - 4 - 9	6 - 9 - 18	9 - 14 - 22	12 - 18 - 25	15 - 20 - 28	18 - 22 - 31
		Noise Criteria	-	19	28	34	39	43
	2-Slot	Airflow (CFM/Linear Foot)	60	114	168	222	276	330
		Static Pressure	0.015	0.055	0.12	0.21	0.325	0.465
		Throw	4 - 6 - 13	8 - 12 - 25	12 - 18 - 30	16 - 24 - 34	20 - 27 - 38	24 - 30 - 42
		Noise Criteria	-	20	29	36	41	45
1.5" Slot Width	1-Slot	Airflow (CFM/Linear Foot)	35	72	109	146	183	220
		Static Pressure	0.011	0.046	0.105	0.188	0.299	0.430
		Throw	2 - 4 - 8	5 - 8 - 16	8 - 13 - 24	11 - 17 - 28	14 - 21 - 31	17 - 24 - 34
		Noise Criteria	-	-	23	30	35	40
	2-Slot	Airflow (CFM/Linear Foot)	70	138	206	274	342	410
		Static Pressure	0.011	0.042	0.093	0.165	0.260	0.370
		Throw	3 - 6 - 11	7 - 11 - 23	11 - 17 - 33	15 - 22 - 38	19 - 28 - 42	22 - 33 - 46
		Noise Criteria	-	-	25	32	37	41
2.0" Slot Width	1-Slot	Airflow (CFM/Linear Foot)	40	84	128	172	216	260
		Static Pressure	0.008	0.033	0.077	0.139	0.218	0.313
		Throw	1 - 3 - 7	5 - 8 - 16	8 - 12 - 24	11 - 16 - 31	13 - 20 - 33	16 - 24 - 38
		Noise Criteria	-	-	20	27	33	38
	2-Slot	Airflow (CFM/Linear Foot)	80	168	256	344	432	520
		Static Pressure	0.008	0.033	0.077	0.139	0.218	0.313
		Throw	2 - 5 - 10	7 - 11 - 22	11 - 16 - 35	15 - 23 - 43	18 - 29 - 47	23 - 35 - 52
		Noise Criteria	-	-	23	30	36	40
2.5" Slot Width	1-Slot	Airflow (CFM/Linear Foot)	45	108	171	234	297	360
		Static Pressure	0.006	0.036	0.088	0.165	0.260	0.385
		Throw	1 - 3 - 7	6 - 9 - 18	9 - 14 - 28	13 - 19 - 35	16 - 25 - 39	20 - 30 - 44
		Noise Criteria	-	-	22	30	35	40
	2-Slot	Airflow (CFM/Linear Foot)	90	216	342	468	594	720
		Static Pressure	0.006	0.036	0.089	0.165	0.260	0.385
		Throw	2 - 4 - 9	7 - 11 - 26	12 - 19 - 39	17 - 27 - 49	22 - 34 - 56	27 - 43 - 62
		Noise Criteria	-	16	26	33	39	43
3.0" Slot Width	1-Slot	Airflow (CFM/Linear Foot)	55	127	199	271	343	415
		Static Pressure	0.007	0.035	0.083	0.154	0.245	0.36
		Throw	2 - 3 - 8	6 - 9 - 19	9 - 14 - 29	13 - 20 - 38	16 - 25 - 42	20 - 31 - 47
		Noise Criteria	-	-	21	28	34	38
	2-Slot	Airflow (CFM/Linear Foot)	110	254	398	542	686	830
		Static Pressure	0.007	0.035	0.083	0.154	0.245	0.36
		Throw	2 - 5 - 11	8 - 12 - 27	13 - 20 - 41	18 - 28 - 54	23 - 35 - 59	28 - 44 - 66
		Noise Criteria	-	-	25	32	37	42

See Page 11 for notes



ENGINEERING DATA

AIR-TRAC™

1. Tests conducted in accordance with ANSI/ASHRAE 70 at isothermal conditions
2. Test data based on 4' active diffuser length with diffuser only (see correction factor tables for other lengths)
3. Unit of measure: Static pressure - in. wc; Throw = ft. at 150, 100 and 50 fpm terminal velocity
4. Noise Criteria is based upon 10 dB room absorption (Re: 10^{-12} watts) evaluated at 125 through 4000 Hz octave bands
5. Dash " - " indicates NC value less than 15

NC Correction (Add to Published Data)	
Length	Factor
2	-2
4	0
6	2
8	3
10	5

Throw Correction (Multiply by Published Data)	
Length	Factor
2	0.7
4	1
8	1.5
10	1.7
12	1.8



ENGINEERING DATA

AIR-TRAC™ W/ Tuttle & Bailey® LP Plenum

Slot Inlet Length
(in.) (ft.)

UNI Pattern Controller w/ Tuttle & Bailey® LP Plenum

Slot	Inlet Length (in.) (ft.)		Airflow (CFM)	30	60	90	120	150	180
1 Slot 1.0" Slot Width	6	2	Airflow (CFM)	30	60	90	120	150	180
			Total Pressure	0.011	0.046	0.104	0.185	0.292	0.42
			Static Pressure	0.010	0.041	0.092	0.163	0.255	0.365
			Throw	1 - 2 - 7	4 - 7 - 10	7 - 9 - 13	8 - 10 - 15	9 - 11 - 16	10 - 13 - 18
			Noise Criteria	-	-	18	29	36	43
		4	Airflow (CFM)	50	94	138	182	226	270
			Total Pressure	0.011	0.038	0.083	0.144	0.225	0.322
			Static Pressure	0.007	0.025	0.053	0.092	0.143	0.205
			Throw	1 - 3 - 8	4 - 7 - 13	7 - 11 - 16	9 - 13 - 18	12 - 14 - 20	13 - 16 - 22
			Noise Criteria	-	-	-	23	31	38
		5	Airflow (CFM)	60	116	172	228	284	340
			Total Pressure	0.012	0.044	0.099	0.175	0.273	0.39
			Static Pressure	0.007	0.025	0.053	0.095	0.145	0.207
			Throw	1 - 2 - 8	4 - 8 - 14	8 - 12 - 17	10 - 14 - 20	13 - 16 - 22	14 - 17 - 25
			Noise Criteria	-	-	-	24	32	39
1 Slot 1.0" Slot Width	8	2	Airflow (CFM)	40	70	100	130	160	190
			Total Pressure	0.019	0.057	0.120	0.202	0.308	0.435
			Static Pressure	0.018	0.055	0.113	0.192	0.293	0.412
			Throw	2 - 4 - 8	5 - 8 - 11	7 - 9 - 13	9 - 11 - 15	10 - 12 - 17	11 - 13 - 18
			Noise Criteria	-	-	21	30	37	43
		4	Airflow (CFM)	80	124	168	212	256	300
			Total Pressure	0.021	0.05	0.092	0.148	0.218	0.300
			Static Pressure	0.018	0.043	0.08	0.127	0.187	0.260
			Throw	2 - 5 - 12	6 - 9 - 15	8 - 12 - 17	10 - 14 - 19	12 - 15 - 21	13 - 16 - 23
			Noise Criteria	-	-	19	28	35	41
		5	Airflow (CFM)	90	146	202	258	314	370
			Total Pressure	0.018	0.049	0.094	0.153	0.230	0.320
			Static Pressure	0.015	0.038	0.074	0.120	0.180	0.250
			Throw	2 - 5 - 12	6 - 9 - 16	9 - 13 - 19	11 - 15 - 21	14 - 17 - 23	15 - 18 - 26
			Noise Criteria	-	-	18	27	34	40
1 Slot 1.5" Slot Width	6	2	Airflow (CFM)	50	82	114	146	178	210
			Total Pressure	0.026	0.069	0.134	0.222	0.334	0.462
			Static Pressure	0.022	0.060	0.117	0.193	0.290	0.402
			Throw	2 - 5 - 10	5 - 8 - 12	8 - 10 - 14	9 - 12 - 16	10 - 13 - 18	11 - 14 - 20
			Noise Criteria	-	-	22	32	39	45
		4	Airflow (CFM)	85	130	175	220	265	310
			Total Pressure	0.027	0.064	0.117	0.185	0.270	0.370
			Static Pressure	0.016	0.038	0.070	0.110	0.160	0.22
			Throw	3 - 6 - 12	6 - 10 - 15	9 - 12 - 18	11 - 14 - 20	12 - 15 - 22	13 - 17 - 24
			Noise Criteria	-	-	17	25	32	38
		5	Airflow (CFM)	95	154	213	272	331	390
			Total Pressure	0.027	0.072	0.138	0.225	0.335	0.47
			Static Pressure	0.013	0.034	0.065	0.107	0.16	0.221
			Throw	2 - 5 - 12	6 - 10 - 17	9 - 13 - 20	12 - 16 - 22	14 - 17 - 25	15 - 19 - 26
			Noise Criteria	-	-	18	27	35	40
1 Slot 1.5" Slot Width	8	2	Airflow (CFM)	50	86	122	158	194	230
			Total Pressure	0.024	0.070	0.140	0.235	0.355	0.495
			Static Pressure	0.022	0.066	0.135	0.228	0.346	0.485
			Throw	3 - 5 - 9	6 - 9 - 12	8 - 10 - 15	10 - 12 - 17	11 - 13 - 19	12 - 14 - 21
			Noise Criteria	-	-	23	34	41	48
		4	Airflow (CFM)	90	152	214	276	338	400
			Total Pressure	0.023	0.064	0.126	0.210	0.314	0.443
			Static Pressure	0.018	0.052	0.103	0.175	0.26	0.365
			Throw	3 - 6 - 13	7 - 11 - 16	10 - 14 - 20	13 - 16 - 22	14 - 17 - 25	15 - 19 - 27
			Noise Criteria	-	-	23	32	40	46
		5	Airflow (CFM)	100	172	244	316	388	460
			Total Pressure	0.020	0.058	0.115	0.196	0.290	0.415
			Static Pressure	0.014	0.043	0.086	0.144	0.221	0.308
			Throw	3 - 6 - 13	7 - 11 - 17	10 - 15 - 21	13 - 17 - 24	15 - 18 - 26	17 - 20 - 28
			Noise Criteria	-	-	21	31	39	45

See Page 23 for notes
LS12 7/14

Linear/
Slot Diffusers



ENGINEERING DATA

AIR-TRAC™ W/ Tuttle & Bailey® LP Plenum

Slot	Inlet Length		UNI Pattern Controller w/ Tuttle & Bailey® LP Plenum						
	(in.)	(ft.)							
1 Slot 2.0" Slot Width	8	2	Airflow (CFM)	60	98	136	174	212	250
			Total Pressure	0.022	0.059	0.116	0.187	0.28	0.384
			Static Pressure	0.02	0.054	0.105	0.172	0.255	0.358
			Throw	2 - 5 - 10	6 - 9 - 13	8 - 11 - 16	10 - 12 - 18	11 - 14 - 20	12 - 15 - 21
			Noise Criteria	-	-	18	27	34	40
		4	Airflow (CFM)	100	172	244	316	388	460
			Total Pressure	0.019	0.057	0.115	0.195	0.290	0.415
			Static Pressure	0.014	0.042	0.084	0.142	0.215	0.305
			Throw	3 - 6 - 13	8 - 12 - 18	11 - 15 - 21	14 - 17 - 24	16 - 19 - 27	17 - 21 - 29
			Noise Criteria	-	-	27	36	44	50
		5	Airflow (CFM)	105	184	263	342	421	500
			Total Pressure	0.015	0.048	0.098	0.165	0.250	0.357
			Static Pressure	0.010	0.031	0.063	0.105	0.158	0.225
			Throw	2 - 5 - 13	6 - 11 - 18	10 - 16 - 22	14 - 18 - 25	16 - 20 - 28	18 - 22 - 31
			Noise Criteria	-	-	25	35	43	49
1 Slot 2.0" Slot Width	12	2	Airflow (CFM)	60	105	150	195	240	285
			Total Pressure	0.021	0.064	0.130	0.220	0.335	0.467
			Static Pressure	0.021	0.062	0.128	0.217	0.328	0.458
			Throw	3 - 6 - 11	7 - 10 - 14	10 - 12 - 17	11 - 13 - 19	12 - 15 - 21	13 - 16 - 23
			Noise Criteria	-	-	-	19	27	33
		4	Airflow (CFM)	100	184	268	352	436	520
			Total Pressure	0.015	0.052	0.109	0.188	0.289	0.415
			Static Pressure	0.014	0.048	0.102	0.175	0.270	0.380
			Throw	3 - 7 - 13	8 - 12 - 19	12 - 16 - 22	15 - 18 - 26	16 - 20 - 29	18 - 22 - 31
			Noise Criteria	-	-	18	29	36	43
		5	Airflow (CFM)	115	222	329	436	543	650
			Total Pressure	0.013	0.049	0.108	0.190	0.295	0.43
			Static Pressure	0.012	0.045	0.099	0.174	0.270	0.390
			Throw	3 - 6 - 14	9 - 13 - 20	13 - 17 - 25	16 - 20 - 29	18 - 22 - 32	20 - 25 - 35
			Noise Criteria	-	-	22	32	40	47
1 Slot 2.5" Slot Width	10	2	Airflow (CFM)	110	165	220	275	330	385
			Total Pressure	0.045	0.100	0.178	0.272	0.395	0.539
			Static Pressure	0.041	0.093	0.165	0.260	0.370	0.500
			Throw	6 - 9 - 14	9 - 12 - 18	12 - 14 - 20	13 - 16 - 23	14 - 18 - 25	15 - 19 - 27
			Noise Criteria	-	-	24	34	41	47
		4	Airflow (CFM)	145	238	331	424	517	610
			Total Pressure	0.023	0.061	0.118	0.194	0.287	0.394
			Static Pressure	0.018	0.049	0.094	0.154	0.229	0.320
			Throw	5 - 9 - 16	10 - 15 - 21	14 - 18 - 25	16 - 20 - 28	18 - 22 - 31	20 - 24 - 34
			Noise Criteria	-	-	25	35	43	50
		5	Airflow (CFM)	160	262	364	466	568	670
			Total Pressure	0.02	0.053	0.101	0.164	0.245	0.340
			Static Pressure	0.014	0.038	0.073	0.119	0.178	0.250
			Throw	4 - 9 - 17	10 - 15 - 22	14 - 18 - 26	17 - 21 - 30	19 - 23 - 33	20 - 25 - 36
			Noise Criteria	-	-	23	34	42	49
1 Slot 2.5" Slot Width	12	2	Airflow (CFM)	120	173	226	279	332	385
			Total Pressure	0.050	0.104	0.180	0.280	0.385	0.523
			Static Pressure	0.049	0.103	0.175	0.270	0.375	0.508
			Throw	7 - 11 - 15	10 - 13 - 18	12 - 15 - 21	13 - 16 - 23	15 - 18 - 25	15 - 19 - 27
			Noise Criteria	-	-	20	30	37	43
		4	Airflow (CFM)	150	250	350	450	550	650
			Total Pressure	0.022	0.060	0.117	0.195	0.288	0.407
			Static Pressure	0.019	0.053	0.105	0.174	0.260	0.365
			Throw	5 - 10 - 17	10 - 15 - 22	15 - 18 - 26	17 - 21 - 29	18 - 23 - 32	20 - 25 - 35
			Noise Criteria	-	-	22	32	40	47
		5	Airflow (CFM)	160	274	388	502	616	730
			Total Pressure	0.017	0.049	0.097	0.163	0.245	0.345
			Static Pressure	0.014	0.041	0.083	0.138	0.210	0.293
			Throw	4 - 9 - 17	10 - 15 - 23	15 - 19 - 27	18 - 22 - 31	20 - 24 - 34	21 - 26 - 37
			Noise Criteria	-	-	21	32	40	47

See Page 23 for notes



ENGINEERING DATA

AIR-TRAC™ W/ Tuttle & Bailey® LP Plenum

Slot Inlet Length
(in.) (ft.)

UNI Pattern Controller w/ Tuttle & Bailey® LP Plenum

Slot	Inlet Length (in.)	(ft.)	UNI Pattern Controller w/ Tuttle & Bailey® LP Plenum						
1 Slot 3.0" Slot Width	10	2	Airflow (CFM)	140	192	244	296	348	400
			Total Pressure	0.065	0.122	0.199	0.290	0.400	0.530
			Static Pressure	0.060	0.112	0.182	0.270	0.380	0.492
			Throw	8 - 11 - 16	11 - 13 - 19	12 - 15 - 21	14 - 17 - 24	15 - 18 - 26	16 - 19 - 28
			Noise Criteria	-	-	22	30	37	43
		4	Airflow (CFM)	190	278	366	454	542	630
			Total Pressure	0.036	0.076	0.132	0.202	0.289	0.390
			Static Pressure	0.028	0.059	0.102	0.158	0.225	0.305
			Throw	6 - 11 - 19	11 - 16 - 23	14 - 18 - 26	17 - 21 - 29	18 - 23 - 32	20 - 25 - 35
			Noise Criteria	-	-	21	30	37	44
		5	Airflow (CFM)	210	316	422	528	634	740
			Total Pressure	0.031	0.070	0.125	0.196	0.280	0.383
			Static Pressure	0.021	0.049	0.087	0.137	0.198	0.270
			Throw	6 - 11 - 20	11 - 16 - 24	15 - 20 - 28	18 - 22 - 31	20 - 24 - 34	21 - 26 - 37
			Noise Criteria	-	-	21	31	39	47
1 Slot 3.0" Slot Width	12	2	Airflow (CFM)	140	192	244	296	348	400
			Total Pressure	0.063	0.120	0.191	0.283	0.390	0.515
			Static Pressure	0.060	0.113	0.183	0.269	0.380	0.495
			Throw	8 - 11 - 16	11 - 13 - 19	12 - 15 - 21	14 - 17 - 24	15 - 18 - 25	16 - 19 - 28
			Noise Criteria	-	-	18	26	33	39
		4	Airflow (CFM)	195	296	397	498	599	700
			Total Pressure	0.033	0.076	0.137	0.218	0.313	0.430
			Static Pressure	0.029	0.067	0.120	0.190	0.274	0.378
			Throw	7 - 11 - 19	12 - 17 - 24	15 - 19 - 27	18 - 22 - 30	19 - 24 - 33	21 - 26 - 36
			Noise Criteria	-	-	20	28	37	44
		5	Airflow (CFM)	220	326	432	538	644	750
			Total Pressure	0.029	0.063	0.109	0.170	0.242	0.335
			Static Pressure	0.024	0.052	0.092	0.142	0.203	0.278
			Throw	6 - 11 - 20	11 - 17 - 25	15 - 20 - 29	18 - 22 - 32	20 - 25 - 35	22 - 27 - 37
			Noise Criteria	-	-	18	27	36	42

See Page 23 for notes



ENGINEERING DATA

AIR-TRAC™ W/ Tuttle & Bailey® LP Plenum

Slot	Inlet Length (in.) (ft.)		UNI Pattern Controller w/ Tuttle & Bailey® LP Plenum						
2 Slot 1.0" Slot Width	6	2	Airflow (CFM)	75	120	165	210	255	300
			Total Pressure	0.018	0.047	0.089	0.146	0.220	0.302
			Static Pressure	0.016	0.040	0.076	0.124	0.182	0.254
			Throw	2 - 5 - 12	6 - 9 - 15	8 - 12 - 17	11 - 14 - 20	13 - 16 - 22	14 - 17 - 24
			Noise Criteria	-	-	18	27	34	40
		4	Airflow (CFM)	150	230	310	390	470	550
			Total Pressure	0.026	0.063	0.115	0.182	0.268	0.365
			Static Pressure	0.016	0.037	0.067	0.107	0.155	0.213
			Throw	3 - 7 - 16	7 - 12 - 21	11 - 17 - 24	14 - 19 - 27	17 - 21 - 30	18 - 23 - 32
			Noise Criteria	-	-	20	28	35	41
		5	Airflow (CFM)	190	282	374	466	558	650
			Total Pressure	0.033	0.074	0.132	0.205	0.299	0.410
Static Pressure	0.016		0.035	0.063	0.097	0.140	0.190		
Throw	4 - 9 - 18		9 - 14 - 23	12 - 18 - 26	15 - 21 - 29	18 - 23 - 32	20 - 25 - 35		
Noise Criteria	-		-	20	28	35	40		
2 Slot 1.0" Slot Width	8	2	Airflow (CFM)	80	136	192	248	304	360
			Total Pressure	0.019	0.056	0.112	0.188	0.287	0.400
			Static Pressure	0.018	0.052	0.103	0.173	0.258	0.365
			Throw	3 - 6 - 12	7 - 10 - 16	10 - 13 - 19	12 - 15 - 21	14 - 17 - 24	15 - 18 - 26
			Noise Criteria	-	-	23	33	40	46
		4	Airflow (CFM)	150	244	338	432	526	620
			Total Pressure	0.020	0.054	0.104	0.172	0.258	0.360
			Static Pressure	0.016	0.042	0.080	0.132	0.193	0.270
			Throw	3 - 7 - 17	8 - 13 - 21	12 - 18 - 25	16 - 20 - 29	18 - 22 - 31	20 - 24 - 34
			Noise Criteria	-	-	22	32	39	45
		5	Airflow (CFM)	200	310	420	530	640	750
			Total Pressure	0.026	0.062	0.114	0.184	0.265	0.370
Static Pressure	0.018		0.043	0.079	0.126	0.185	0.255		
Throw	5 - 10 - 19		10 - 15 - 24	14 - 20 - 28	17 - 22 - 31	20 - 25 - 35	22 - 26 - 37		
Noise Criteria	-		-	24	33	40	45		
2 Slot 1.5" Slot Width	6	2	Airflow (CFM)	110	160	210	260	310	360
			Total Pressure	0.033	0.070	0.120	0.185	0.263	0.360
			Static Pressure	0.027	0.057	0.098	0.150	0.215	0.290
			Throw	4 - 9 - 14	8 - 12 - 17	11 - 14 - 20	13 - 16 - 22	14 - 17 - 24	15 - 18 - 26
			Noise Criteria	-	-	21	30	37	42
		4	Airflow (CFM)	230	310	390	470	550	630
			Total Pressure	0.057	0.103	0.162	0.238	0.325	0.430
			Static Pressure	0.029	0.053	0.085	0.122	0.169	0.222
			Throw	9 - 13 - 21	12 - 17 - 24	14 - 19 - 27	17 - 21 - 30	19 - 23 - 32	20 - 24 - 34
			Noise Criteria	-	16	25	32	37	43
		5	Airflow (CFM)	300	380	460	540	620	700
			Total Pressure	0.080	0.127	0.186	0.258	0.340	0.435
Static Pressure	0.032		0.051	0.076	0.104	0.137	0.176		
Throw	10 - 15 - 24		13 - 19 - 27	15 - 21 - 29	18 - 22 - 32	20 - 24 - 34	21 - 26 - 36		
Noise Criteria	-		16	24	29	35	39		
2 Slot 1.5" Slot Width	8	2	Airflow (CFM)	125	184	243	302	361	420
			Total Pressure	0.037	0.08	0.138	0.215	0.31	0.418
			Static Pressure	0.035	0.076	0.132	0.204	0.29	0.395
			Throw	6 - 9 - 15	9 - 13 - 18	11 - 15 - 21	13 - 17 - 23	15 - 18 - 26	16 - 20 - 28
			Noise Criteria	-	16	26	35	41	47
		4	Airflow (CFM)	230	326	422	518	614	710
			Total Pressure	0.036	0.071	0.121	0.183	0.255	0.340
			Static Pressure	0.029	0.059	0.099	0.148	0.210	0.285
			Throw	8 - 13 - 21	12 - 17 - 25	15 - 20 - 28	18 - 22 - 31	19 - 24 - 34	21 - 26 - 36
			Noise Criteria	-	16	26	33	39	45
		5	Airflow (CFM)	300	410	520	630	740	850
			Total Pressure	0.042	0.078	0.127	0.184	0.257	0.338
Static Pressure	0.032		0.060	0.096	0.142	0.195	0.260		
Throw	10 - 14 - 23		13 - 19 - 27	16 - 22 - 31	20 - 24 - 34	21 - 26 - 37	23 - 28 - 39		
Noise Criteria	-		18	27	34	40	46		

See Page 23 for notes



ENGINEERING DATA

AIR-TRAC™ W/ Tuttle & Bailey® LP Plenum

Slot Inlet Length
(in.) (ft.)

UNI Pattern Controller w/ Tuttle & Bailey® LP Plenum

Slot	Inlet Length (in.) (ft.)		Airflow (CFM)	130	179	228	277	326	375	
2 Slot 2.0" Slot Width	8	2	Total Pressure	0.033	0.062	0.101	0.147	0.205	0.270	
			Static Pressure	0.024	0.044	0.072	0.108	0.147	0.195	
			Throw	6 - 9 - 16	8 - 12 - 18	10 - 14 - 20	12 - 16 - 23	14 - 17 - 24	15 - 18 - 26	
		Noise Criteria	-	-	24	31	37	42		
		4	Airflow (CFM)	240	310	380	450	520	590	
			Total Pressure	0.051	0.085	0.128	0.180	0.238	0.310	
	Static Pressure		0.020	0.034	0.050	0.071	0.095	0.122		
	5	Throw	7 - 12 - 21	10 - 15 - 24	12 - 18 - 27	14 - 20 - 29	16 - 22 - 31	19 - 23 - 33		
		Noise Criteria	-	23	31	37	43	48		
		Airflow (CFM)	265	336	407	478	549	620		
	2 Slot 2.0" Slot Width	12	2	Total Pressure	0.026	0.068	0.130	0.216	0.32	0.443
				Static Pressure	0.024	0.062	0.120	0.198	0.295	0.409
				Throw	6 - 9 - 15	9 - 14 - 20	13 - 16 - 23	15 - 19 - 26	17 - 20 - 29	18 - 22 - 31
			Noise Criteria	-	-	22	31	38	44	
			4	Airflow (CFM)	240	352	464	576	688	800
Total Pressure				0.026	0.056	0.097	0.150	0.215	0.290	
Static Pressure		0.020		0.043	0.075	0.116	0.165	0.225		
5		Throw	7 - 12 - 21	11 - 17 - 25	15 - 20 - 29	18 - 23 - 32	20 - 25 - 36	22 - 27 - 38		
		Noise Criteria	-	-	26	34	41	46		
		Airflow (CFM)	280	404	528	652	776	900		
2 Slot 2.5" Slot Width		10	2	Total Pressure	0.009	0.036	0.082	0.148	0.232	0.337
				Static Pressure	0.007	0.029	0.066	0.118	0.184	0.265
				Throw	2 - 5 - 11	7 - 11 - 19	11 - 16 - 23	15 - 19 - 27	17 - 21 - 30	19 - 23 - 33
			Noise Criteria	-	-	18	30	39	46	
			4	Airflow (CFM)	180	314	448	582	716	850
	Total Pressure			0.013	0.041	0.083	0.142	0.216	0.307	
	Static Pressure	0.007		0.021	0.043	0.072	0.109	0.154		
	5	Throw	3 - 6 - 15	8 - 14 - 25	13 - 19 - 29	17 - 23 - 33	21 - 26 - 37	23 - 28 - 40		
		Noise Criteria	-	-	21	32	41	48		
		Airflow (CFM)	220	356	492	628	764	900		
	2 Slot 2.5" Slot Width	12	2	Total Pressure	0.017	0.044	0.084	0.137	0.200	0.280
				Static Pressure	0.007	0.017	0.033	0.054	0.080	0.110
				Throw	3 - 6 - 17	8 - 14 - 26	13 - 19 - 31	17 - 25 - 35	20 - 27 - 38	23 - 29 - 42
			Noise Criteria	-	-	20	30	38	45	
			4	Airflow (CFM)	90	194	298	402	506	610
Total Pressure				0.008	0.037	0.086	0.156	0.245	0.355	
Static Pressure		0.007		0.032	0.076	0.138	0.220	0.320		
5		Throw	2 - 5 - 11	8 - 12 - 19	12 - 17 - 24	16 - 20 - 28	18 - 22 - 31	20 - 24 - 34		
		Noise Criteria	-	-	16	28	38	46		
		Airflow (CFM)	180	334	488	642	796	950		
4		Total Pressure	0.010	0.035	0.074	0.129	0.199	0.282		
		Static Pressure	0.007	0.024	0.051	0.088	0.135	0.191		
		Throw	3 - 6 - 16	10 - 15 - 25	14 - 21 - 31	18 - 25 - 35	23 - 27 - 39	25 - 30 - 43		
5		Noise Criteria	-	-	20	32	41	48		
		Airflow (CFM)	220	376	532	688	844	1000		
	Total Pressure	0.012	0.034	0.068	0.113	0.171	0.24			
4	Static Pressure	0.007	0.019	0.039	0.065	0.097	0.136			
	Throw	3 - 7 - 17	9 - 15 - 27	14 - 20 - 32	18 - 26 - 36	22 - 29 - 40	25 - 31 - 44			
	Noise Criteria	-	-	18	29	38	45			



ENGINEERING DATA

AIR-TRAC™ W/ Tuttle & Bailey® LP Plenum

Slot	Inlet (in.)	Length (ft.)	UNI Pattern Controller w/ Tuttle & Bailey® LP Plenum						
2 Slot 3.0" Slot Width	10	2	Airflow (CFM)	95	206	317	428	539	650
			Total Pressure	0.009	0.042	0.099	0.180	0.285	0.415
			Static Pressure	0.007	0.032	0.077	0.140	0.220	0.323
			Throw	2 - 4 - 11	8 - 12 - 20	12 - 18 - 25	16 - 20 - 29	19 - 23 - 32	20 - 25 - 35
			Noise Criteria	-	-	-	26	37	45
		4	Airflow (CFM)	160	328	496	664	832	1000
			Total Pressure	0.010	0.043	0.099	0.175	0.275	0.395
			Static Pressure	0.005	0.021	0.047	0.084	0.132	0.190
			Throw	2 - 4 - 13	7 - 13 - 25	13 - 19 - 31	17 - 25 - 35	21 - 28 - 40	25 - 31 - 44
			Noise Criteria	-	-	-	28	38	47
		5	Airflow (CFM)	190	368	546	724	902	1080
			Total Pressure	0.012	0.046	0.102	0.178	0.275	0.395
			Static Pressure	0.004	0.017	0.037	0.064	0.100	0.142
			Throw	2 - 4 - 15	6 - 14 - 26	14 - 21 - 32	18 - 26 - 37	23 - 30 - 42	26 - 32 - 45
			Noise Criteria	-	-	-	26	36	45
2 Slot 3.0" Slot Width	12	2	Airflow (CFM)	90	208	326	444	562	680
			Total Pressure	0.007	0.038	0.093	0.173	0.275	0.400
			Static Pressure	0.006	0.033	0.081	0.150	0.240	0.350
			Throw	2 - 4 - 11	8 - 13 - 20	13 - 18 - 25	17 - 21 - 29	19 - 23 - 33	21 - 25 - 36
			Noise Criteria	-	-	-	25	36	44
		4	Airflow (CFM)	160	348	536	724	912	1100
			Total Pressure	0.008	0.035	0.085	0.155	0.243	0.350
			Static Pressure	0.005	0.023	0.055	0.101	0.160	0.230
			Throw	2 - 4 - 14	8 - 14 - 25	15 - 23 - 32	21 - 27 - 37	24 - 30 - 42	27 - 33 - 46
			Noise Criteria	-	-	-	27	37	46
		5	Airflow (CFM)	190	402	614	826	1038	1250
			Total Pressure	0.008	0.036	0.084	0.152	0.240	0.350
			Static Pressure	0.004	0.020	0.046	0.084	0.132	0.192
			Throw	2 - 4 - 15	8 - 16 - 28	16 - 23 - 34	21 - 28 - 40	26 - 32 - 44	28 - 35 - 49
			Noise Criteria	-	-	-	28	38	46

See Page 23 for notes



ENGINEERING DATA

AIR-TRAC™ W/ Tuttle & Bailey® LP Plenum

Slot Inlet Length
(in.) (ft.)

CTL Pattern Controller w/ Tuttle & Bailey® LP Plenum

Slot	Inlet Length (in.) (ft.)		Airflow (CFM)	60	112	164	216	268	320
1 Slot 1.0" Slot Width	8	2	Airflow (CFM)	60	112	164	216	268	320
			Total Pressure	0.017	0.058	0.128	0.225	0.345	0.500
			Static Pressure	0.016	0.055	0.117	0.201	0.310	0.432
			Throw	2 - 3 - 7	4 - 6 - 12	6 - 9 - 15	8 - 12 - 17	10 - 13 - 19	12 - 15 - 21
			Noise Criteria	-	-	21	29	35	40
		4	Airflow (CFM)	100	182	264	346	428	510
			Total Pressure	0.015	0.050	0.108	0.188	0.290	0.410
			Static Pressure	0.011	0.037	0.076	0.130	0.197	0.280
			Throw	3 - 4 - 8	5 - 7 - 14	7 - 10 - 19	9 - 13 - 21	11 - 16 - 24	13 - 18 - 27
			Noise Criteria	-	-	20	27	34	38
		5	Airflow (CFM)	120	220	320	420	520	620
			Total Pressure	0.017	0.058	0.124	0.213	0.330	0.470
			Static Pressure	0.010	0.033	0.070	0.121	0.185	0.265
			Throw	3 - 4 - 8	5 - 8 - 15	7 - 11 - 21	10 - 14 - 24	12 - 18 - 26	14 - 21 - 29
			Noise Criteria	-	-	22	28	33	38
1 Slot 1.0" Slot Width	10	2	Airflow (CFM)	60	108	156	204	252	300
			Total Pressure	0.016	0.052	0.112	0.192	0.295	0.422
			Static Pressure	0.016	0.050	0.105	0.180	0.274	0.390
			Throw	2 - 3 - 7	4 - 6 - 12	6 - 9 - 15	7 - 11 - 17	9 - 13 - 18	11 - 14 - 20
			Noise Criteria	-	-	20	27	33	37
		4	Airflow (CFM)	120	206	292	378	464	550
			Total Pressure	0.018	0.053	0.109	0.184	0.280	0.399
			Static Pressure	0.015	0.045	0.091	0.152	0.228	0.323
			Throw	3 - 4 - 9	5 - 8 - 15	7 - 10 - 20	9 - 14 - 23	12 - 16 - 25	13 - 19 - 27
			Noise Criteria	-	-	22	28	34	38
		5	Airflow (CFM)	125	240	355	470	585	700
			Total Pressure	0.014	0.052	0.115	0.204	0.315	0.460
			Static Pressure	0.011	0.039	0.086	0.151	0.232	0.330
			Throw	3 - 5 - 9	5 - 8 - 16	8 - 12 - 22	11 - 16 - 25	14 - 20 - 28	16 - 22 - 31
			Noise Criteria	-	-	23	30	36	41
1 Slot 1.0" Slot Width	12	2	Airflow (CFM)	55	110	165	220	275	330
			Total Pressure	0.013	0.053	0.120	0.215	0.340	0.490
			Static Pressure	0.013	0.051	0.115	0.205	0.320	0.468
			Throw	2 - 3 - 6	4 - 6 - 12	6 - 9 - 15	8 - 12 - 17	10 - 14 - 20	12 - 15 - 21
			Noise Criteria	-	-	20	28	34	39
		4	Airflow (CFM)	110	215	320	425	530	635
			Total Pressure	0.014	0.054	0.121	0.213	0.340	0.480
			Static Pressure	0.013	0.049	0.109	0.193	0.299	0.435
			Throw	3 - 4 - 9	6 - 8 - 16	8 - 12 - 21	11 - 16 - 24	13 - 19 - 27	16 - 21 - 29
			Noise Criteria	-	-	24	32	38	43
		5	Airflow (CFM)	120	246	372	498	624	750
			Total Pressure	0.011	0.046	0.106	0.192	0.305	0.445
			Static Pressure	0.01	0.041	0.093	0.170	0.264	0.382
			Throw	3 - 4 - 8	6 - 9 - 17	9 - 13 - 23	12 - 17 - 26	14 - 21 - 29	17 - 23 - 32
			Noise Criteria	-	-	24	32	38	42
1 Slot 1.5" Slot Width	8	2	Airflow (CFM)	80	138	196	254	312	370
			Total Pressure	0.024	0.072	0.145	0.248	0.375	0.530
			Static Pressure	0.014	0.041	0.084	0.140	0.212	0.299
			Throw	2 - 3 - 6	4 - 5 - 11	5 - 8 - 15	7 - 10 - 19	8 - 12 - 21	10 - 14 - 23
			Noise Criteria	-	-	-	25	33	40
		4	Airflow (CFM)	160	227	294	361	428	495
			Total Pressure	0.055	0.113	0.190	0.288	0.410	0.55
			Static Pressure	0.014	0.028	0.047	0.071	0.100	0.132
			Throw	2 - 5 - 9	4 - 6 - 12	5 - 8 - 16	7 - 10 - 19	8 - 12 - 23	9 - 14 - 26
			Noise Criteria	-	-	-	17	23	29
		5	Airflow (CFM)	165	233	301	369	437	505
			Total Pressure	0.053	0.107	0.180	0.275	0.385	0.512
			Static Pressure	0.009	0.019	0.031	0.047	0.066	0.089
			Throw	2 - 4 - 8	4 - 6 - 12	5 - 8 - 15	6 - 9 - 19	8 - 11 - 22	8 - 13 - 25
			Noise Criteria	-	-	-	-	19	24

See Page 23 for notes

Linear/
Slot Diffusers



ENGINEERING DATA

AIR-TRAC™ W/ Tuttle & Bailey® LP Plenum

Slot	Inlet Length (in.) (ft.)	CTL Pattern Controller w/ Tuttle & Bailey® LP Plenum								
		Airflow (CFM)	Total Pressure	Static Pressure	Throw	Noise Criteria				
1 Slot 1.5" Slot Width	10	2	Airflow (CFM)	65	140	215	290	365	440	
			Total Pressure	0.010	0.048	0.113	0.203	0.323	0.470	
			Static Pressure	0.009	0.042	0.101	0.183	0.289	0.425	
		Throw	1 - 2 - 5	4 - 6 - 11	6 - 9 - 17	8 - 12 - 20	10 - 15 - 22	12 - 17 - 25		
		Noise Criteria	-	-	-	26	36	44		
		4	Airflow (CFM)	130	258	386	514	642	770	
	Total Pressure		0.013	0.052	0.116	0.205	0.320	0.460		
	Static Pressure		0.009	0.036	0.080	0.143	0.225	0.320		
	5	Throw	2 - 4 - 7	5 - 7 - 15	7 - 11 - 21	10 - 15 - 26	12 - 18 - 30	15 - 21 - 33		
		Noise Criteria	-	-	16	27	36	43		
		Airflow (CFM)	150	290	430	570	710	850		
		Total Pressure	0.013	0.049	0.108	0.188	0.292	0.420		
		Static Pressure	0.008	0.029	0.064	0.113	0.176	0.254		
		Throw	2 - 4 - 8	5 - 8 - 15	8 - 11 - 22	9 - 14 - 28	12 - 18 - 31	14 - 22 - 34		
		Noise Criteria	-	-	-	25	34	40		
1 Slot 1.5" Slot Width		12	2	Airflow (CFM)	60	140	220	300	380	460
				Total Pressure	0.009	0.047	0.115	0.213	0.340	0.495
	Static Pressure			0.008	0.042	0.104	0.197	0.312	0.462	
	Throw		1 - 3 - 5	4 - 6 - 11	6 - 9 - 17	8 - 12 - 20	10 - 15 - 23	13 - 18 - 25		
	Noise Criteria		-	-	-	26	37	46		
	4		Airflow (CFM)	120	264	408	552	696	840	
		Total Pressure	0.010	0.047	0.111	0.205	0.323	0.470		
		Static Pressure	0.008	0.037	0.090	0.165	0.263	0.385		
	5	Throw	2 - 4 - 7	5 - 7 - 15	8 - 12 - 23	10 - 16 - 28	13 - 19 - 31	16 - 24 - 34		
		Noise Criteria	-	-	16	29	39	46		
		Airflow (CFM)	150	310	470	630	790	950		
		Total Pressure	0.011	0.045	0.104	0.187	0.292	0.427		
		Static Pressure	0.008	0.033	0.077	0.138	0.220	0.313		
		Throw	2 - 4 - 8	5 - 8 - 16	8 - 12 - 24	10 - 16 - 29	13 - 20 - 33	16 - 24 - 36		
		Noise Criteria	-	-	-	27	36	43		
1 Slot 2.0" Slot Width		8	2	Airflow (CFM)	80	164	248	332	416	500
				Total Pressure	0.011	0.047	0.106	0.190	0.300	0.440
	Static Pressure			0.008	0.032	0.074	0.132	0.208	0.300	
	Throw		1 - 3 - 6	4 - 6 - 12	6 - 9 - 17	8 - 12 - 22	10 - 14 - 25	12 - 17 - 27		
	Noise Criteria		-	-	20	28	35	40		
	4		Airflow (CFM)	150	262	374	486	598	710	
		Total Pressure	0.019	0.057	0.116	0.198	0.300	0.420		
		Static Pressure	0.007	0.021	0.042	0.071	0.107	0.150		
	5	Throw	2 - 4 - 8	4 - 7 - 13	6 - 9 - 18	8 - 12 - 24	10 - 15 - 29	12 - 17 - 32		
		Noise Criteria	-	-	24	30	36	40		
		Airflow (CFM)	160	286	412	538	664	790		
		Total Pressure	0.019	0.059	0.122	0.208	0.320	0.450		
		Static Pressure	0.005	0.015	0.032	0.054	0.083	0.118		
		Throw	1 - 2 - 7	3 - 6 - 13	6 - 9 - 18	8 - 12 - 23	10 - 15 - 29	12 - 18 - 35		
		Noise Criteria	-	16	25	31	37	41		
1 Slot 2.0" Slot Width		10	2	Airflow (CFM)	75	170	265	360	455	550
				Total Pressure	0.008	0.042	0.102	0.188	0.302	0.450
	Static Pressure			0.006	0.033	0.080	0.150	0.240	0.350	
	Throw		1 - 2 - 5	4 - 6 - 12	6 - 9 - 18	8 - 13 - 23	10 - 15 - 25	13 - 19 - 28		
	Noise Criteria		-	-	16	25	32	37		
	4		Airflow (CFM)	150	296	442	588	734	880	
		Total Pressure	0.012	0.045	0.102	0.178	0.280	0.400		
		Static Pressure	0.006	0.025	0.057	0.101	0.157	0.223		
	5	Throw	1 - 3 - 7	5 - 7 - 14	7 - 11 - 21	10 - 14 - 29	12 - 18 - 33	14 - 21 - 36		
		Noise Criteria	-	-	24	32	37	42		
		Airflow (CFM)	160	335	510	685	860	1035		
		Total Pressure	0.010	0.046	0.106	0.190	0.302	0.438		
		Static Pressure	0.005	0.021	0.049	0.088	0.139	0.200		
		Throw	1 - 2 - 7	5 - 7 - 15	7 - 11 - 23	10 - 15 - 29	13 - 19 - 36	15 - 23 - 39		
		Noise Criteria	-	-	25	32	38	43		

See Page 23 for notes



ENGINEERING DATA

AIR-TRAC™ W/ Tuttle & Bailey® LP Plenum

Slot Inlet Length
(in.) (ft.)

CTL Pattern Controller w/ Tuttle & Bailey® LP Plenum

Slot	Inlet Length (in.) (ft.)		Airflow (CFM)	85	192	299	406	513	620	
1 Slot 2.0" Slot Width	12	2	Total Pressure	0.009	0.048	0.117	0.215	0.345	0.502	
			Static Pressure	0.008	0.043	0.104	0.192	0.310	0.450	
			Throw	1 - 3 - 6	4 - 7 - 13	7 - 10 - 20	9 - 14 - 24	12 - 17 - 27	14 - 21 - 30	
		Noise Criteria	-	-	-	24	32	38		
		4	Airflow (CFM)	160	328	496	664	832	1000	
			Total Pressure	0.010	0.043	0.097	0.175	0.273	0.400	
	Static Pressure		0.008	0.032	0.072	0.129	0.201	0.294		
	5	Airflow (CFM)	170	376	582	788	994	1200		
		Total Pressure	0.008	0.04	0.097	0.178	0.285	0.415		
		Static Pressure	0.005	0.026	0.064	0.115	0.185	0.270		
	1 Slot 2.5" Slot Width	12	2	Total Pressure	0.007	0.043	0.110	0.209	0.340	0.500
				Static Pressure	0.006	0.037	0.093	0.178	0.285	0.42
				Throw	1 - 2 - 6	5 - 7 - 14	7 - 11 - 21	10 - 15 - 26	13 - 19 - 30	15 - 23 - 32
			Noise Criteria	-	-	-	19	27	34	
			4	Airflow (CFM)	180	394	608	822	1036	1250
Total Pressure				0.009	0.046	0.110	0.199	0.320	0.465	
Static Pressure		0.006		0.029	0.069	0.127	0.200	0.296		
5		Airflow (CFM)	190	427	664	901	1138	1375		
		Total Pressure	0.008	0.041	0.102	0.187	0.300	0.445		
		Static Pressure	0.004	0.022	0.052	0.096	0.154	0.223		
1 Slot 3.0" Slot Width		12	2	Total Pressure	0.010	0.048	0.115	0.208	0.335	0.485
				Static Pressure	0.008	0.038	0.090	0.165	0.260	0.380
				Throw	1 - 3 - 7	5 - 8 - 15	8 - 12 - 24	11 - 16 - 28	13 - 20 - 32	16 - 24 - 35
			Noise Criteria	-	-	-	-	24	32	
			4	Airflow (CFM)	210	378	546	714	882	1050
	Total Pressure			0.010	0.034	0.070	0.120	0.183	0.260	
	Static Pressure	0.006		0.019	0.038	0.065	0.101	0.143		
	5	Airflow (CFM)	245	486	727	968	1209	1450		
		Total Pressure	0.012	0.045	0.100	0.180	0.282	0.408		
		Static Pressure	0.005	0.02	0.043	0.077	0.121	0.174		
				Throw	1 - 3 - 9	5 - 9 - 17	9 - 13 - 26	11 - 17 - 34	14 - 21 - 42	17 - 26 - 46
				Noise Criteria	-	-	-	-	19	27

Linear/
Slot Diffusers

See Page 23 for notes



ENGINEERING DATA

AIR-TRAC™ W/ Tuttle & Bailey® LP Plenum

Slot	Inlet Length (in.) (ft.)		CTL Pattern Controller w/ Tuttle & Bailey® LP Plenum						
2 Slot 1.0" Slot Width	8	2	Airflow (CFM)	80	168	256	344	432	520
			Total Pressure	0.010	0.046	0.106	0.192	0.305	0.440
			Static Pressure	0.007	0.030	0.070	0.125	0.198	0.285
			Throw	2 - 3 - 6	4 - 6 - 12	6 - 9 - 18	8 - 12 - 22	10 - 15 - 25	12 - 18 - 28
			Noise Criteria	-	-	20	27	33	38
		4	Airflow (CFM)	160	275	390	505	620	735
			Total Pressure	0.020	0.061	0.123	0.208	0.310	0.440
			Static Pressure	0.007	0.020	0.040	0.068	0.103	0.145
			Throw	3 - 4 - 8	5 - 7 - 15	7 - 11 - 21	9 - 14 - 27	11 - 17 - 30	13 - 20 - 33
			Noise Criteria	-	-	18	24	29	33
		5	Airflow (CFM)	205	320	435	550	665	780
			Total Pressure	0.029	0.071	0.133	0.215	0.315	0.430
			Static Pressure	0.007	0.017	0.032	0.052	0.075	0.103
			Throw	3 - 5 - 10	5 - 8 - 16	7 - 10 - 21	9 - 13 - 26	11 - 16 - 31	13 - 19 - 34
			Noise Criteria	-	-	16	22	26	30
2 Slot 1.0" Slot Width	10	2	Airflow (CFM)	90	194	298	402	506	610
			Total Pressure	0.011	0.052	0.120	0.223	0.350	0.510
			Static Pressure	0.009	0.040	0.095	0.172	0.275	0.395
			Throw	2 - 3 - 7	5 - 7 - 14	8 - 11 - 21	10 - 15 - 24	13 - 18 - 27	15 - 21 - 30
			Noise Criteria	-	-	23	31	37	42
		4	Airflow (CFM)	180	324	468	612	756	900
			Total Pressure	0.016	0.050	0.106	0.184	0.280	0.398
			Static Pressure	0.009	0.028	0.058	0.100	0.151	0.215
			Throw	3 - 5 - 10	6 - 9 - 17	8 - 12 - 24	11 - 16 - 30	14 - 20 - 33	16 - 24 - 36
			Noise Criteria	-	-	21	28	33	38
		5	Airflow (CFM)	200	360	520	680	840	1000
			Total Pressure	0.016	0.051	0.108	0.185	0.283	0.402
			Static Pressure	0.007	0.022	0.046	0.079	0.120	0.170
			Throw	3 - 5 - 10	6 - 9 - 17	8 - 13 - 25	11 - 17 - 31	14 - 20 - 35	16 - 24 - 38
			Noise Criteria	-	-	20	27	32	36
2 Slot 1.0" Slot Width	12	2	Airflow (CFM)	90	198	306	414	522	630
			Total Pressure	0.010	0.048	0.115	0.21	0.332	0.492
			Static Pressure	0.009	0.042	0.099	0.183	0.285	0.420
			Throw	2 - 3 - 7	5 - 8 - 15	8 - 12 - 21	11 - 16 - 25	13 - 19 - 28	16 - 21 - 31
			Noise Criteria	-	-	23	31	37	42
		4	Airflow (CFM)	180	344	508	672	836	1000
			Total Pressure	0.012	0.044	0.097	0.169	0.260	0.380
			Static Pressure	0.009	0.032	0.068	0.120	0.185	0.265
			Throw	3 - 5 - 9	6 - 9 - 18	9 - 13 - 27	12 - 18 - 31	15 - 22 - 35	18 - 26 - 38
			Noise Criteria	-	-	24	31	37	42
		5	Airflow (CFM)	210	408	606	804	1002	1200
			Total Pressure	0.012	0.046	0.102	0.180	0.280	0.405
			Static Pressure	0.008	0.028	0.062	0.110	0.170	0.245
			Throw	3 - 5 - 10	7 - 10 - 21	10 - 15 - 30	14 - 20 - 34	16 - 25 - 38	20 - 29 - 42
			Noise Criteria	-	-	23	30	36	40
2 Slot 1.5" Slot Width	8	2	Airflow (CFM)	120	226	332	438	544	650
			Total Pressure	0.015	0.055	0.120	0.208	0.325	0.452
			Static Pressure	0.008	0.028	0.060	0.104	0.162	0.230
			Throw	2 - 4 - 7	4 - 7 - 13	7 - 10 - 20	8 - 13 - 25	11 - 16 - 28	13 - 19 - 30
			Noise Criteria	-	-	-	23	31	38
		4	Airflow (CFM)	240	358	476	594	712	830
			Total Pressure	0.039	0.087	0.154	0.242	0.345	0.47
			Static Pressure	0.008	0.018	0.031	0.048	0.070	0.093
			Throw	2 - 5 - 10	5 - 8 - 15	7 - 10 - 20	9 - 13 - 25	10 - 15 - 30	12 - 18 - 34
			Noise Criteria	-	-	-	-	20	26
		5	Airflow (CFM)	270	393	516	639	762	885
			Total Pressure	0.045	0.095	0.165	0.252	0.360	0.484
			Static Pressure	0.006	0.014	0.023	0.036	0.051	0.069
			Throw	2 - 4 - 10	4 - 7 - 15	6 - 10 - 19	8 - 12 - 24	10 - 14 - 28	11 - 17 - 32
			Noise Criteria	-	-	-	-	17	22

See Page 23 for notes



ENGINEERING DATA

AIR-TRAC™ W/ Tuttle & Bailey® LP Plenum

Slot Inlet Length
(in.) (ft.)

CTL Pattern Controller w/ Tuttle & Bailey® LP Plenum

Slot	Inlet Length (in.) (ft.)		Airflow (CFM)	130	259	388	517	646	775	
2 Slot 1.5" Slot Width	10	2	Total Pressure	0.013	0.052	0.118	0.208	0.330	0.470	
			Static Pressure	0.009	0.037	0.082	0.145	0.228	0.325	
			Throw	2 - 4 - 8	5 - 8 - 16	8 - 11 - 23	10 - 16 - 27	13 - 19 - 30	15 - 23 - 33	
		4	Noise Criteria	-	-	16	27	36	43	
			Airflow (CFM)	250	418	586	754	922	1090	
			Total Pressure	0.022	0.061	0.122	0.202	0.305	0.430	
	5	Static Pressure	0.009	0.024	0.047	0.078	0.115	0.162		
		Throw	2 - 5 - 11	6 - 9 - 18	8 - 12 - 25	11 - 16 - 31	13 - 20 - 36	15 - 23 - 39		
		Noise Criteria	-	-	-	20	27	34		
		Airflow (CFM)	270	456	642	828	1014	1200		
		Total Pressure	0.022	0.064	0.127	0.210	0.318	0.447		
		Static Pressure	0.006	0.018	0.036	0.060	0.090	0.125		
	2 Slot 1.5" Slot Width	12	2	Throw	2 - 5 - 10	6 - 8 - 17	8 - 12 - 24	11 - 16 - 31	13 - 19 - 37	15 - 22 - 41
				Noise Criteria	-	-	-	18	25	32
				Airflow (CFM)	115	258	401	544	687	830
4			Total Pressure	0.009	0.045	0.108	0.200	0.320	0.465	
			Static Pressure	0.007	0.037	0.088	0.162	0.260	0.380	
			Throw	2 - 3 - 7	5 - 8 - 15	8 - 12 - 23	11 - 16 - 28	13 - 20 - 31	16 - 24 - 34	
5		Noise Criteria	-	-	16	28	37	45		
		Airflow (CFM)	230	434	638	842	1046	1250		
		Total Pressure	0.013	0.047	0.102	0.178	0.278	0.390		
		Static Pressure	0.007	0.026	0.055	0.096	0.150	0.213		
		Throw	2 - 4 - 10	6 - 9 - 18	9 - 14 - 26	12 - 18 - 34	15 - 22 - 38	18 - 26 - 42		
		Noise Criteria	-	-	-	23	32	39		
2 Slot 2.0" Slot Width		8	2	Airflow (CFM)	250	460	670	880	1090	1300
				Total Pressure	0.012	0.041	0.088	0.150	0.230	0.329
				Static Pressure	0.005	0.019	0.040	0.067	0.103	0.148
	4		Throw	2 - 4 - 9	6 - 8 - 17	8 - 13 - 25	11 - 16 - 32	14 - 20 - 39	16 - 24 - 42	
			Noise Criteria	-	-	-	19	28	34	
			Airflow (CFM)	70	152	234	316	398	480	
	5	Total Pressure	0.008	0.040	0.093	0.172	0.273	0.395		
		Static Pressure	0.006	0.020	0.043	0.074	0.111	0.153		
		Throw	1 - 2 - 5	4 - 6 - 11	6 - 9 - 17	8 - 12 - 23	10 - 15 - 28	12 - 17 - 31		
		Noise Criteria	-	-	25	32	37	41		
		Airflow (CFM)	230	357	484	611	738	865		
		Total Pressure	0.032	0.077	0.142	0.225	0.330	0.450		
	10	2	Static Pressure	0.004	0.009	0.017	0.027	0.040	0.055	
			Throw	1 - 3 - 8	3 - 6 - 13	6 - 9 - 17	7 - 11 - 22	9 - 13 - 26	10 - 15 - 30	
			Noise Criteria	-	19	26	31	35	39	
4		Airflow (CFM)	260	393	526	659	792	925		
		Total Pressure	0.039	0.09	0.162	0.255	0.368	0.5		
		Static Pressure	0.003	0.007	0.013	0.02	0.029	0.04		
15	2	Throw	1 - 3 - 9	3 - 6 - 13	5 - 9 - 17	7 - 11 - 21	9 - 13 - 25	10 - 15 - 29		
		Noise Criteria	-	19	26	31	35	39		
		Airflow (CFM)	140	292	444	596	748	900		
	4	Total Pressure	0.010	0.044	0.104	0.185	0.295	0.430		
		Static Pressure	0.006	0.025	0.057	0.104	0.164	0.238		
		Throw	1 - 2 - 7	5 - 7 - 14	7 - 11 - 22	10 - 15 - 29	12 - 18 - 33	15 - 22 - 36		
20	2	Noise Criteria	-	-	24	32	38	43		
		Airflow (CFM)	245	451	657	863	1069	1275		
		Total Pressure	0.018	0.059	0.126	0.22	0.338	0.480		
	4	Static Pressure	0.004	0.014	0.031	0.054	0.083	0.118		
		Throw	1 - 3 - 9	4 - 8 - 16	8 - 12 - 23	10 - 15 - 30	13 - 19 - 38	15 - 23 - 43		
		Noise Criteria	-	18	27	34	38	42		
25	2	Airflow (CFM)	270	486	702	918	1134	1350		
		Total Pressure	0.019	0.062	0.128	0.222	0.340	0.480		
		Static Pressure	0.003	0.011	0.023	0.039	0.059	0.084		
	4	Throw	1 - 2 - 9	3 - 7 - 15	7 - 11 - 22	10 - 14 - 28	12 - 18 - 36	14 - 22 - 41		
		Noise Criteria	-	19	27	33	39	43		
		Airflow (CFM)	140	292	444	596	748	900		

See Page 23 for notes

Linear/
Slot Diffusers



ENGINEERING DATA

AIR-TRAC™ W/ Tuttle & Bailey® LP Plenum

Slot	Inlet (in.)	Length (ft.)	CTL Pattern Controller w/ Tuttle & Bailey® LP Plenum						
2 Slot 2.0" Slot Width	12	2	Airflow (CFM)	150	315	480	645	810	975
			Total Pressure	0.009	0.04	0.092	0.168	0.262	0.390
			Static Pressure	0.006	0.028	0.066	0.122	0.192	0.285
			Throw	1 - 3 - 8	5 - 8 - 16	8 - 12 - 24	11 - 16 - 30	13 - 20 - 34	16 - 24 - 37
			Noise Criteria	-	-	21	29	36	41
		4	Airflow (CFM)	250	480	710	940	1170	1400
			Total Pressure	0.011	0.041	0.089	0.159	0.245	0.350
			Static Pressure	0.004	0.017	0.036	0.064	0.101	0.145
			Throw	1 - 3 - 9	5 - 8 - 17	8 - 13 - 25	12 - 17 - 32	14 - 21 - 40	16 - 25 - 44
			Noise Criteria	-	-	25	32	37	42
		5	Airflow (CFM)	275	510	745	980	1215	1450
			Total Pressure	0.011	0.040	0.084	0.146	0.225	0.320
			Static Pressure	0.003	0.012	0.026	0.045	0.069	0.099
			Throw	1 - 3 - 9	4 - 8 - 17	8 - 12 - 23	10 - 15 - 31	13 - 19 - 37	15 - 23 - 45
			Noise Criteria	-	16	25	32	37	41
2 Slot 2.5" Slot Width	12	2	Airflow (CFM)	160	378	596	814	1032	1250
			Total Pressure	0.008	0.044	0.11	0.206	0.332	0.49
			Static Pressure	0.005	0.026	0.066	0.125	0.199	0.300
			Throw	1 - 3 - 7	6 - 9 - 17	9 - 14 - 26	12 - 18 - 34	16 - 23 - 38	18 - 27 - 42
			Noise Criteria	-	-	-	24	33	40
		4	Airflow (CFM)	300	586	872	1158	1444	1730
			Total Pressure	0.014	0.053	0.118	0.208	0.325	0.470
			Static Pressure	0.004	0.016	0.035	0.062	0.097	0.138
			Throw	1 - 3 - 9	6 - 9 - 18	9 - 14 - 27	12 - 18 - 36	15 - 23 - 45	18 - 27 - 49
			Noise Criteria	-	-	-	23	31	37
		5	Airflow (CFM)	340	632	924	1216	1508	1800
			Total Pressure	0.016	0.055	0.118	0.202	0.315	0.450
			Static Pressure	0.003	0.012	0.025	0.044	0.067	0.097
			Throw	1 - 3 - 10	5 - 9 - 18	9 - 13 - 26	12 - 17 - 34	14 - 22 - 42	17 - 26 - 51
			Noise Criteria	-	-	-	21	29	35
2 Slot 3.0" Slot Width	12	2	Airflow (CFM)	180	424	668	912	1156	1400
			Total Pressure	0.008	0.042	0.105	0.197	0.318	0.465
			Static Pressure	0.004	0.023	0.057	0.108	0.174	0.257
			Throw	1 - 3 - 8	6 - 9 - 17	9 - 14 - 27	13 - 19 - 36	16 - 24 - 40	20 - 28 - 45
			Noise Criteria	-	-	-	17	26	33
		4	Airflow (CFM)	325	630	935	1240	1545	1850
			Total Pressure	0.016	0.059	0.128	0.226	0.355	0.500
			Static Pressure	0.003	0.013	0.028	0.049	0.078	0.110
			Throw	1 - 3 - 9	5 - 9 - 18	9 - 14 - 27	12 - 18 - 35	15 - 23 - 44	18 - 27 - 52
			Noise Criteria	-	-	-	-	23	32
		5	Airflow (CFM)	400	700	1000	1300	1600	1900
			Total Pressure	0.021	0.064	0.132	0.225	0.340	0.48
			Static Pressure	0.003	0.010	0.020	0.035	0.053	0.074
			Throw	2 - 3 - 10	5 - 9 - 19	9 - 13 - 26	11 - 17 - 33	14 - 21 - 41	17 - 25 - 47
			Noise Criteria	-	-	-	-	-	27

1. Tests conducted in accordance with ANSI/ASHRAE 70 at isothermal conditions
2. Test data based on Tuttle & Bailey® plenums
3. Unit of measure: Static pressure - in. wc; Throw = ft. at 150, 100 and 50 fpm terminal velocity
4. Noise Criteria is based upon 10 dB room absorption (Re: 10⁻¹² watts) evaluated at 125 through 4000 Hz octave bands
5. Dash " - " indicates NC value less than 15