



# ENGINEERING DATA

GJ

	Duct Velocity, fpm	200	300	400	500	600	700	800
	Velocity Pressure	0.020	0.006	0.010	0.016	0.022	0.031	0.040
Size 6 1E	Airflow, CFM	135	203	271	339	406	474	542
	Total Pressure	0.076	0.171	0.303	0.474	0.683	0.929	1.214
	NC	-	13	24	32	38	44	50
	Throw	12-15-20	14-17-25	17-20-29	19-23-33	21-25-36	22-27-39	24-29-43
	Airflow, CFM	259	388	518	647	777	906	1036
Size 6 2E	Total Pressure	0.070	0.158	0.281	0.440	0.633	0.862	1.125
	NC	-	18	29	36	43	49	54
	Throw	17-20-29	20-24-35	23-29-41	26-32-46	29-35-51	31-38-55	34-41-60
	Airflow, CFM	382	573	765	956	1147	1338	1529
	Total Pressure	0.070	0.157	0.278	0.435	0.626	0.853	1.114
Size 6 3E	NC	-	20	30	39	45	51	56
	Throw	21-25-35	25-30-44	29-35-51	33-40-57	36-44-63	38-47-67	42-51-74
	Airflow, CFM	506	759	1012	1264	1517	1770	2023
	Total Pressure	0.07	0.157	0.278	0.435	0.626	0.853	1.114
	NC	-	23	33	41	48	53	58
Size 6 4E	Throw	23-29-40	28-34-49	33-40-57	37-45-64	41-49-71	43-54-76	48-57-83
	Airflow, CFM	196	294	392	490	588	685	783
	Total Pressure	0.056	0.127	0.226	0.353	0.508	0.691	0.903
	NC	-	15	19	27	34	39	45
	Throw	15-17-25	17-21-30	20-25-34	22-27-40	25-30-43	27-32-47	29-34-51
Size 8 2E	Airflow, CFM	377	566	755	943	1132	1320	1509
	Total Pressure	0.053	0.118	0.210	0.328	0.473	0.644	0.841
	NC	-	15	25	34	40	46	50
	Throw	21-24-34	24-30-42	28-34-48	31-38-55	34-42-60	37-45-66	40-48-71
	Airflow, CFM	559	838	1117	1397	1676	1955	2235
Size 8 3E	Total Pressure	0.052	0.116	0.206	0.322	0.464	0.631	0.824
	NC	-	18	29	35	42	49	53
	Throw	26-30-42	30-37-52	35-42-59	38-48-68	42-52-75	46-56-82	50-59-88
	Airflow, CFM	740	1110	1480	1850	2220	2590	2961
	Total Pressure	0.052	0.116	0.207	0.323	0.465	0.633	0.827
Size 8 4E	NC	-	18	29	37	43	50	54
	Throw	29-34-48	34-42-59	39-48-67	43-54-78	48-59-85	52-64-93	56-67-100
	Airflow, CFM	267	401	535	668	802	936	1070
	Total Pressure	0.037	0.084	0.149	0.232	0.334	0.455	0.594
	NC	-	-	20	28	34	41	45
Size 10 1E	Throw	16-20-29	20-25-35	24-29-41	26-32-46	29-35-50	31-38-55	33-41-59
	Airflow, CFM	518	777	1036	1295	1554	1813	2072
	Total Pressure	0.035	0.079	0.140	0.219	0.315	0.429	0.560
	NC	-	14	25	33	35	45	52
	Throw	23-28-40	28-35-50	33-40-57	37-44-64	40-50-70	43-54-76	47-57-83

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Tests conducted with a straight rigid inlet condition. Other inlet conditions may alter performance.
3. 0°, 22.5° and 45° represent blade deflection angles.
4. Units: Face Velocity = fpm; Total Pressure = in. wc
5. Throw based on diffuser velocities of 150 fpm, 100 fpm and 50 fpm
6. NC is based upon 10dB room absorption (Re: 10<sup>-12</sup> watts) evaluated at 125 through 4000 Hz octave bands.
7. Dash "-" indicates NC value less than 10.

Specialty  
Products



# ENGINEERING DATA

## GJ

	Duct Velocity, fpm	200	300	400	500	600	700	800
	Velocity Pressure	0.020	0.006	0.010	0.016	0.022	0.031	0.040
Size 10 3E	Airflow, CFM	768	1153	1537	1921	2305	2689	3074
	Total Pressure	0.032	0.071	0.127	0.198	0.285	0.388	0.506
	NC	-	16	27	34	42	47	53
	Throw	28-34-50	34-43-61	41-50-70	45-55-79	50-61-87	54-66-95	57-70-102
Size 10 4E	Airflow, CFM	1019	1528	2038	2547	3057	3566	4076
	Total Pressure	0.031	0.071	0.125	0.196	0.282	0.384	0.501
	NC	-	18	29	37	43	48	54
	Throw	32-39-56	39-49-69	46-56-80	51-62-90	56-69-98	61-75-107	65-80-116
Size 12 1E	Airflow, CFM	350	525	700	875	1050	1225	1400
	Total Pressure	0.033	0.075	0.132	0.207	0.298	0.406	0.53
	NC	-	-	18	27	33	39	44
	Throw	19-23-33	23-28-40	27-33-47	30-36-52	33-40-58	35-43-62	38-47-67
Size 12 2E	Airflow, CFM	681	1021	1362	1702	2042	2383	2723
	Total Pressure	0.031	0.071	0.126	0.197	0.283	0.385	0.503
	NC	-	16	27	35	42	47	53
	Throw	26-32-46	32-40-56	37-46-66	42-51-73	46-56-81	50-61-87	53-66-94
Size 12 3E	Airflow, CFM	1011	1517	2023	2529	3034	3540	4046
	Total Pressure	0.031	0.070	0.124	0.193	0.278	0.379	0.495
	NC	-	15	27	34	41	46	52
	Throw	32-40-57	40-49-69	46-57-81	52-63-90	57-69-100	61-75-107	66-81-116
Size 12 4E	Airflow, CFM	1324	2013	2684	3356	4027	4698	5369
	Total Pressure	0.031	0.069	0.123	0.192	0.276	0.375	0.490
	NC	-	16	27	35	43	49	53
	Throw	36-45-64	45-56-78	52-64-92	59-71-102	64-78-113	69-85-122	75-92-132
Size 14 1E	Airflow, CFM	444	666	888	1109	1331	1553	1775
	Total Pressure	0.024	0.055	0.097	0.125	0.219	0.299	0.390
	NC	-	-	13	27	33	39	44
	Throw	21-26-37	26-32-45	29-37-53	34-41-59	37-45-65	40-49-70	43-53-75
Size 14 2E	Airflow, CFM	866	1299	1732	2165	2597	3030	3463
	Total Pressure	0.023	0.052	0.093	0.146	0.210	0.286	0.373
	NC	-	12	23	30	37	43	47
	Throw	30-36-51	36-45-64	41-51-74	47-58-83	51-64-91	56-69-98	60-74-106
Size 14 3E	Airflow, CFM	1288	1932	2576	3220	3864	4508	5151
	Total Pressure	0.023	0.052	0.092	0.144	0.207	0.281	0.368
	NC	-	15	25	34	40	46	52
	Throw	27-35-63	45-55-79	50-63-91	58-72-102	63-79-113	70-85-122	74-91-131
Size 14 4E	Airflow, CFM	1710	2565	3420	4475	5130	5985	6840
	Total Pressure	0.023	0.051	0.091	0.142	0.205	0.279	0.365
	NC	-	16	26	36	41	47	53
	Throw	42-51-72	51-63-89	57-72-103	66-81-116	72-89-128	79-96-138	84-103-148

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-2006 at isothermal conditions.
2. Tests conducted with a straight rigid inlet condition. Other inlet conditions may alter performance.
3. 0°, 22.5° and 45° represent blade deflection angles.
4. Units: Face Velocity = fpm; Total Pressure = in. wc
5. Throw based on diffuser velocities of 150 fpm, 100 fpm and 50 fpm
6. NC is based upon 10dB room absorption (Re: 10<sup>-12</sup> watts) evaluated at 125 through 4000 Hz octave bands.
7. Dash "-" indicates NC value less than 10.