

### E1250

Face Velocity		400	500	600	700	800	900	1000	1200	1400	1600	1800	2000
14 x 14	CFM	368	460	552	644	736	828	920	1104	1288	1472	1656	1840
Ak .920	Pt	.013	.020	.028	.038	.050	.063	.078	.112	.152	.199	.251	.310
16 x 16	CFM	484	605	726	847	968	1089	1210	1452	1694	1936	2178	2420
Ak 1.210	Pt	.013	.020	.028	.038	.050	.063	.078	.112	.153	.199	.252	.311
18 x 18	CFM	564	705	846	987	1128	1269	1410	1692	1974	2256	2538	2820
Ak 1.410	Pt	.012	.019	.027	.036	.047	.060	.074	.106	.144	.188	.235	.294
20 x 20	CFM	756	945	1134	1323	1512	1701	1890	2268	2646	3024	3402	3780
Ak 1.890	Pt	.013	.020	.028	.038	.050	.063	.078	.113	.153	.200	.252	.311

**Notes:**

1. E1250 diffusers tested with damper fully open.
2. Pt = Total Pressure is the sum of the static pressure and velocity pressure.
3. Ak is the effective area of the diffuser face.

### 1100

Face Velocity		400	500	600	700	800	900	1000	1200	1400	1600	1800	2000
14 x 14	CFM	383	479	574	670	766	861	957	1148	1340	1531	1723	1914
Ak .960	Pt	.043	.064	.090	.119	.152	.188	.228	.318	.421	.536	.665	.806
18 x 18	CFM	464	580	696	812	928	1044	1160	1392	1624	1856	2088	2320
Ak 1.160	Pt	.028	.042	.056	.075	.094	.115	.138	.190	.248	.313	.383	.460
20 x 20	CFM	537	670	804	938	1072	1206	1340	1608	1876	2144	2412	2680
Ak 1.340	Pt	.028	.042	.059	.077	.098	.121	.146	.203	.267	.339	.419	.505
22 x 22	CFM	668	836	1003	1170	1337	1504	1671	2005	2339	2674	3008	3342
Ak 1.670	Pt	.017	.027	.040	.056	.075	.097	.121	.179	.250	.333	.428	.537
24 x 24	CFM	730	912	1094	1277	1459	1642	1824	2189	2554	2918	3283	3648
Ak 1.820	Pt	.032	.048	.066	.086	.109	.134	.161	.222	.291	.367	.452	.544
30 x 30	CFM	1118	1398	1678	1957	2237	2516	2796	3355	3914	4474	5033	5592
Ak 2.790	Pt	.026	.040	.057	.076	.098	.122	.149	.211	.283	.365	.457	.558
36 x 36	CFM	1404	1756	2107	2458	2809	3160	3511	4213	5915	5618	6320	7022
Ak 3.510	Pt	.030	.043	.060	.078	.098	.120	.144	.197	.257	.324	.397	.477

**Notes:**

1. 1100 diffusers tested with damper fully open.
2. Pt = Total Pressure is the sum of the static pressure and velocity pressure.
3. Ak is the effective area of the diffuser face.
4. Tests conducted in accordance with ASHRAE 70-1991.

### 1010/1020

Face Velocity		400	500	600	700	800	900	1000	1200	1400	1600	1800	2000
14 x 14	CFM	255	320	385	450	510	575	640	770	895	1025	1150	1280
Ak .740	Pt	.012	.018	.023	.035	.044	.051	.067	.094	.130	.171	.210	.250
16 x 16	CFM	370	465	560	650	745	835	930	1115	1300	1490	1675	1860
Ak .930	Pt	.016	.020	.031	.041	.055	.069	.084	.120	.160	.198	.240	.265
18 x 18	CFM	480	600	700	840	960	1080	1200	1440	1680	1920	2160	2400
Ak 1.200	Pt	.015	.022	.031	.044	.057	.072	.088	.122	.164	.205	.250	.290
20 x 20	CFM	600	750	900	1050	1200	1350	1500	1800	2100	2400	2700	3000
Ak 1.500	Pt	.017	.024	.035	.051	.058	.075	.091	.125	.170	.218	.260	.300

**Notes:**

1. 1010 & 1020 diffusers tested with damper fully open.
2. Pt = Total Pressure is the sum of the static pressure and velocity pressure.
3. Ak is the effective area of the diffuser face.

### 1030

Face Velocity		400	500	600	700	800	900	1000	1200	1400	1600	1800	2000
14 x 14	CFM	303	379	454	530	606	681	757	908	1060	1211	1363	1514
Ak .760	Ps	.015	.023	.034	.046	.061	.077	.096	.139	.191	.250	.318	.394
16 x 16	CFM	384	480	576	672	768	864	960	1152	1344	1536	1728	1920
Ak .960	Ps	.019	.029	.041	.055	.071	.089	.109	.156	.210	.271	.341	.418
18 x 18	CFM	495	619	743	867	990	1114	1238	1486	1733	1981	2228	2476
Ak 1.240	Ps	.018	.027	.039	.053	.068	.086	.105	.150	.202	.261	.329	.403
20 x 20	CFM	642	803	963	1124	1284	1445	1605	1926	2247	2568	2889	3210
Ak 1.600	Ps	.015	.025	.036	.050	.066	.084	.105	.154	.213	.282	.361	.450

**Notes:**

1. 1030 diffusers tested with damper fully open.
2. Pt = Total Pressure is the sum of the static pressure and velocity pressure.
3. Ak is the effective area of the diffuser face.
4. Tests conducted in accordance with ASHRAE 70-1991.