

## **“Damair” BACKWARD CURVED CENTRIFUGAL BLOWERS MODEL SISW & DIDW**



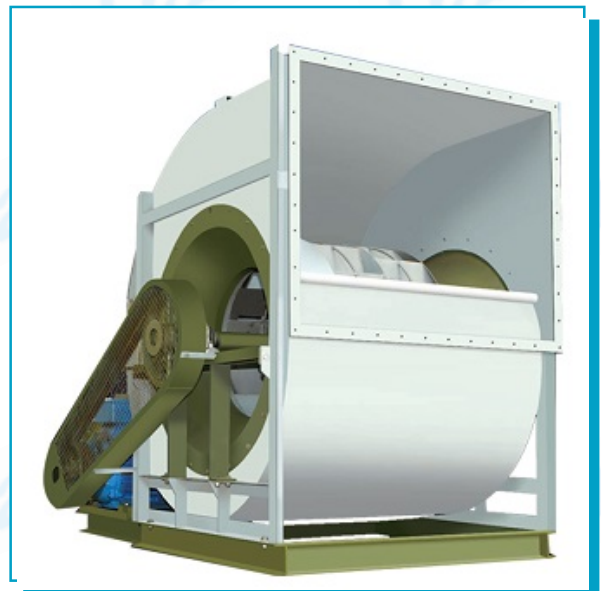
Single Inlet  
Single Width Blowers - SISW:

### APPLICATION

- 1) Large Air quantity required
- 2) Ductable Fan
- 3) Supply of air with large Velocity
- 4) Suction of air from closed room
- 5) Ventilation

### APPLICATION

- 1) General Ventilation
- 2) Air Conditioning
- 3) Air Cooling
- 4) Fresh Air Supply
- 5) Wherever Air draft over large areas is required



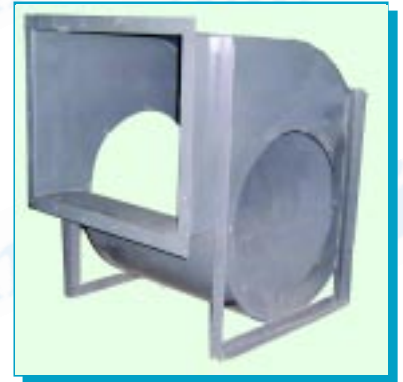
Double Inlet  
Double Width Blowers - DIDW:

SELECTION & PERFORMANCE DATA WITH DIMENSIONS OF BLOWERS

## GENERAL SPECIFICATIONS OF CENTRIFUGAL BLOWERS MANUFACTURED BY US AS PER STANDARD AMCA 210

### 1.Casing :

Casing is robust in construction and constructed out of suitable sections of Mild Steel / Stainless Steel. The housings are free from all defects. The sheets are cut with Nibbling machines to avoid deformation. Welding of casing is done with fixtures and D.C. Welding sets to avoid distortions. The casing is Aero dynamically designed for maximum efficiency.



### 2.Impeller / Rotor :

Being the heart of the blower is suitably designed for required combination of air quantity and static pressure. It is machined after careful fabrication. The hub of cast iron is made in one piece and securely keyed in the shaft. The rotor along with other unmachined rotating parts is statically and dynamically balanced so as not to cause vibration.

### 3.Shaft :

Shaft is machined out of EN-8 forging or suitable material and has close tolerance at the rotor, coupling pulley and bearing diameters. The size of shaft is calculated on basis of proper stress which does not exceed 30 percent of its static limit in tension or 18 percent of tensile strength. The shaft is designed at atleast 20 percent higher speed than the normal operating speed.



### 4.Bearings :

The bearings are normally ball or roller bearings and are suitable to take up the necessary radial load as well as the Axial thrust. Sleeve bearings are provided in special cases.

### 5.Motor :

we supply blower with motors of suitable rating and manufactured by standard companies like Kirloskar, Crompton, GEC or NGEF (3 Phase, 415 V.A.C., 50 Hz TEFC Motors)

**Split housings** - Fan sizes SISW 16½A, DIDW 18A and larger can be provided with a split housing to allow removal of the wheel, or to facilitate installation. Contact our local representative, or the factory, for information relative to your specific application.

**Vibration Isolation** - Various types of rubber in shear or spring isolators are available for use with most fans. Because of the variations in the weights of motor location, isolators must be selected for each application.

**Inlet and Outlet Screen** - Galvanised steel screens with 12" mesh can be provided to protect the inlet or outlet when fans are not connected to duct work.

**Shaft Guards** - Guards are available to prevent contact with the rotating shaft on arrangements 1,8,9 and 10. Standard guards are made of expanded metal, but can be supplied in solid steel for protection of the shaft and bearings from spillage.

**Drain** - Drain connections consisting of an IPS coupling welded to the lowest point of the housing are available on all fans. Does not include plug.  
**Unitary Base**- Unitary bases can be provided for all fans with provision for mounting the motor on the base. Vibration isolators of rubber in shear or spring type can be provided with the base for isolation of the fan and motor assembly. These are not inertia bases. Unitary bases are normally used with arrangements 1 and 3 fans where the motor is not mounted directly to the fan.



HARD BEARING BALANCING MACHINE CAPACITY 3.5 TONS INSTALLED IN OUR FACTORY CAN BALANCE MAX Dia 4200 mm OTHER PORTABLE BALANCING MACHINES OF DIFFERENT CAPACITIES CAN UNDERTAKE SITE JOBS

## OPTIONS, ACCESSORIES AND OPTIONAL SPECIAL FEATURES

**ACCESS DOOR** - Access doors can be provided for access to the wheel and housing without removing duct work. Standard access doors are provided with nut and pawl for quick opening. Hinged or raised access doors are available at an extra charge.

Access doors are located below the centre line of the fan housing opposite the discharge. Specify the location if other than standard is required.

**Drive Guards** - Drive guards are available for all fans. On fans where the motor is not mounted on the fan, the motor location relative to the drive shaft and the centre distance (shaft to shaft) must be specified, along with the adjustment range. Drive guards can be completely enclosed or be made with expanded metal for visual inspection of the drive. Expanded metal guards are supplied as standard on most units.



**Shaft Seals** - Shaft seals are available on all arrangements 1,9 and 10 fans to limit leakage around the shaft. Standard shaft seals are not gas tight and are made of teflon material. Seals for special applications are available. Contact our representative or the factory for special applications.

**Special Coating and materials** - For applications handling corrosive fumes, a wide range of special coatings are available. See Engineering Guide EG 100 for information on resistance of special coating or contact our local representative for specific applications. Fans constructed of various metals and alloys are available. Contact our representative, or the factory, regarding application requiring special materials.

**Shaft Cooling Wheel** - Aluminium cooling wheels for attachment to the shaft for high temperature applications are available on arrangements 1,8,9 and 10. The wheels are of split construction and can be added to standard units. Cooling wheel is used to cool inboard bearing on high temperature applications.

**Weather Covers** - Weather covers are available on all arrangement 10 fans providing weather protection for the motor, drive, shaft, and bearings. Full or partial weather covers are available on arrangement 4,7,8, and 9 fans. Partial weather covers protect the shaft, bearings, belt drives, or couplings only.

**Inlet and outlet flanges** - Inlet and outlet flanges are available on all fans. Flanges are fabricated heavy gauge steel and provided with holes for attachment of duct flanges. Companion flanges match the flanges on the fan are also available.



SIZE **Damair Single Width Limit Load Type "LL" Fans** SIZE

**2** Wheel Diameter 12" Overall Wheel Width 5<sup>9</sup>/<sub>16</sub>" Outlet Area .826 Sq. Ft. **2**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	600	856	.042	961	.057	1060	.071	1147	.092	1233	.111	1311	.130	1383	.150	1523	.191	1653	.235	850	.043
900	743	908	.051	1004	.068	1095	.085	1183	.104	1261	.124	1343	.145	1417	.166	1553	.211	1675	.256	940	.057
1000	826	966	.061	1058	.080	1146	.099	1227	.118	1306	.145	1378	.164	1447	.183	1583	.231	1707	.280	1030	.076
1100	908	1023	.071	1112	.095	1193	.114	1272	.136	1347	.156	1411	.178	1482	.202	1614	.252	1734	.305	1120	.097
1200	991	1081	.088	1169	.109	1247	.131	1322	.153	1387	.177	1455	.199	1522	.222	1648	.275	1764	.331	1210	.122
1300	1073	1144	.104	1224	.127	1303	.148	1376	.173	1441	.198	1503	.223	1567	.248	1687	.301	1801	.357	1300	.152
1400	1156	1206	.122	1281	.145	1359	.170	1423	.195	1489	.215	1552	.248	1613	.275	1723	.330	1837	.387	1390	.185
1500	1238	1270	.141	1343	.167	1413	.194	1479	.221	1512	.247	1603	.276	1663	.304	1770	.362	1881	.421	1480	.224
1600	1321	1337	.166	1404	.191	1471	.220	1540	.248	1598	.276	1653	.306	1713	.336	1822	.397	1911	.459	1570	.267
1700	1403	1400	.190	1470	.220	1537	.248	1596	.275	1648	.310	1708	.338	1763	.370	1869	.435	1963	.500	1660	.316
1800	1486	1470	.218	1533	.248	1590	.277	1650	.309	1710	.343	1763	.375	1819	.407	1920	.473	2013	.543	1750	.371
1900	1569	1537	.252	1597	.280	1656	.311	1717	.348	1768	.380	1822	.413	1873	.448	1971	.518	2066	.589	1840	.429
2000	1651	1601	.281	1663	.316	1719	.350	1772	.385	1827	.420	1877	.456	1931	.491	2026	.562	2115	.638	1930	.496
2200	1816	1712	.366	1798	.396	1850	.435	1897	.470	1948	.509	1997	.549	2045	.589	2135	.667	2222	.713	2020	.570
2400	1981	1881	.460	1930	.497	1982	.535	2027	.573	2073	.614	2117	.655	2167	.702	2253	.784	2332	.868	2110	.648
2600	2146	2022	.565	2070	.607	2114	.649	2160	.695	2203	.731	2244	.778	2286	.825	2370	.917	2446	1.01	2200	.735
2800	2312	2150	.696	2208	.744	2253	.783	2293	.826	2333	.876	2375	.925	2410	.966	2492	1.07	2562	1.16	2290	.829
3000	2477	2310	.853	2335	.878	2386	.934	2427	.975	2467	1.03	2505	1.08	2542	1.13	2617	1.23	2686	1.34	2380	.931
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	1156	2044	.514	2228	.647	2412	.786	2565	.93	2705	1.07	2862	1.23	2993	1.38	3125	1.55	3258	1.71	2470	1.04
1500	1238	2074	.550	2260	.688	2432	.834	2594	.98	2735	1.14	2890	1.30	3015	1.45	3158	1.62	3279	1.80	2560	1.16
1600	1321	2120	.590	2293	.733	2467	.887	2622	1.04	2765	1.20	2923	1.37	3043	1.53	3188	1.70	3300	1.88	2650	1.28
1700	1403	2158	.633	2333	.779	2496	.935	2656	1.10	2797	1.26	2948	1.44	3074	1.60	3213	1.78	3321	1.96	2740	1.42
1800	1486	2196	.682	2364	.828	2527	.989	2686	1.16	2830	1.33	2979	1.50	3105	1.69	3240	1.87	3348	2.05	2830	1.57
1900	1569	2234	.736	2408	.883	2568	1.05	2720	1.22	2862	1.40	3008	1.58	3133	1.77	3266	1.96	3378	2.15	2920	1.72
2000	1651	2293	.789	2454	.945	2612	1.11	2756	1.31	2895	1.47	3038	1.66	3165	1.85	3291	2.05	3410	2.25	3010	1.88
2200	1816	2385	.910	2540	1.08	2692	1.25	2822	1.42	2962	1.61	3107	1.82	3225	2.02	3351	2.23	3470	2.44	3100	2.06
2400	1981	2492	1.04	2640	1.22	2774	1.41	2910	1.59	3045	1.78	3176	1.99	3298	2.20	3411	2.42	3525	2.65	3190	2.24
2600	2146	2601	1.19	2746	1.38	2881	1.58	3006	1.78	3133	1.98	3256	2.19	3374	2.41	3481	2.63	3602	2.86	3280	2.44
2800	2312	2720	1.36	2847	1.57	2978	1.79	3104	1.98	3225	2.20	3340	2.42	3447	2.64	3561	2.86	3672	3.10	3370	2.65
3000	2477	2828	1.55	2955	1.77	3080	1.98	3206	2.21	3320	2.43	3435	2.66	3540	2.90	3651	3.13	3761	3.37	3460	2.86
3200	2642	2945	1.76	3077	1.95	3195	2.22	3306	2.45	3426	2.69	3538	2.93	3645	3.18	3741	3.43	3821	3.67	3550	3.08
3400	2807	3074	1.99	3193	2.20	3298	2.47	3416	2.70	3525	2.96	3640	3.21	3735	3.48	3838	3.74	3925	4.00	3640	3.34
3600	2972	3180	2.22	3300	2.50	3420	2.74	3526	3.00	3638	3.26	3743	3.52	3836	3.78	3936	4.08	4026	4.34	3730	3.58
3800	3137	3310	2.50	3433	2.78	3540	3.05	3644	3.30	3742	3.58	3850	3.85	3942	4.13	4035	4.43	4132	4.70	3821	3.86
4000	3302	3435	2.80	3548	3.07	3682	3.42	3754	3.65	3860	3.93	3960	4.22	4054	4.49	4140	4.80	4230	5.10	3910	4.14
4200	3467	3568	3.16	3670	3.45	3780	3.73	3878	4.02	3975	4.31	4072	4.60	4161	4.90	4251	5.22	4335	5.53	4000	4.41
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	1651	3639	2.65	3849	3.06	4065	3.50	4240	3.94	4434	4.40	4590	4.87	4770	5.36	4925	5.86	5080	6.36	4090	4.72
2200	1816	3690	2.87	3900	3.31	4115	3.77	4290	4.24	4485	4.71	4630	5.20	4815	5.70	4965	6.21	5139	6.72	4180	5.04
2400	1981	3750	3.10	3951	3.58	4165	4.05	4350	4.54	4539	5.04	4696	5.56	4860	6.08	5020	6.61	5200	7.16	4270	5.36
2600	2146	3820	3.33	4032	3.83	4210	4.33	4410	4.85	4590	5.38	4766	5.91	4914	6.45	5070	7.04	5240	7.56	4360	5.71
2800	2312	3882	3.59	4088	4.11	4280	4.64	4456	5.17	4641	5.74	4824	6.29	4981	6.85	5140	7.44	5290	8.02	4450	6.08
3000	2477	3974	3.87	4148	4.40	4374	4.95	4520	5.50	4702	6.10	4864	6.67	5033	7.30	5205	7.88	5340	8.50	4540	6.45
3200	2642	4034	4.18	4240	4.72	4424	5.28	4586	5.86	4764	6.48	4934	7.10	5085	7.70	5240	8.32			4630	6.85
3400	2807	4122	4.50	4316	5.06	4504	5.65	4666	6.23	4880	6.86	4992	7.48	5145	8.14	5310	8.82			4720	7.25
3600	2972	4214	4.89	4392	5.46	4572	6.01	4728	6.62	4908	7.30	5054	7.91	5214	8.60	5385	9.30			4810	7.68
3800	3137	4318	5.29	4468	5.88	4662	6.46	4816	7.06	4980	7.74	5136	8.40	5290	9.08					4900	8.11
4000	3302	4414	5.70	4586	6.31	4746	6.94	4908	7.56	5060	8.23	5224	8.88	5370	9.57					4990	8.56
4200	3467	4510	6.15	4680	6.79	4840	7.45	4990	8.10	5145	8.76	5280	9.44							5080	9.03
4400	3632	4606	6.53	4770	7.28	4930	7.93	5080	8.64	5235	9.34									5170	9.52
4800	3962	4826	7.74	4984	8.32	5132	9.04	5280	9.76											5260	10.1
5200	4292	5048	8.80	5202	9.52	5342	10.32													5350	10.55

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE Damair Single Width Limit Load Type "LL" Fans SIZE**

**2 1/4** Wheel Diameter 13 1/2" Overall Wheel Width 6 1/4" Outlet Area 1.045 Sq. Ft. **2 1/4**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	836	762	.053	855	.073	944	0.93	1020	.116	1100	.140	1168	.165	1230	.189	1356	.241	1469	.297	760	.055
900	940	808	.064	894	.086	975	.108	1051	.131	1122	.156	1196	.183	1260	.210	1381	.266	1490	.325	849	.074
1000	1045	860	.078	911	.101	1020	.125	1091	.149	1161	.183	1226	.208	1288	.232	1410	.292	1517	.355	920	.097
1100	1149	910	.094	990	.117	1060	.144	1131	.171	1200	.197	1259	.226	1320	.255	1437	.319	1541	.386	1000	.124
1200	1254	965	.111	1040	.138	1110	.165	1176	.193	1235	.221	1296	.252	1356	.282	1468	.348	1569	.419	1080	.156
1300	1358	1018	.131	1088	.160	1160	.187	1225	.219	1281	.250	1340	.282	1392	.314	1500	.380	1604	.451	1160	.194
1400	1463	1071	.153	1140	.183	1210	.214	1265	.246	1325	.272	1380	.314	1435	.348	1534	.417	1634	.490	1240	.237
1500	1567	1131	.179	1193	.211	1260	.246	1315	.279	1370	.312	1425	.348	1479	.384	1575	.458	1675	.532	1320	.286
1600	1672	1190	.208	1250	.241	1310	.278	1370	.314	1422	.350	1472	.387	1524	.425	1620	.502	1701	.581	1400	.341
1700	1776	1245	.240	1310	.277	1368	.314	1420	.346	1468	.393	1520	.428	1570	.468	1662	.550	1744	.633	1480	.403
1800	1881	1309	.278	1365	.314	1415	.350	1470	.391	1520	.434	1570	.474	1620	.515	1710	.598	1791	.687	1560	.472
1900	1985	1368	.318	1422	.354	1472	.394	1528	.440	1574	.481	1621	.524	1668	.566	1755	.655	1840	.745	1640	.547
2000	2090	1430	.362	1480	.400	1530	.442	1580	.486	1625	.531	1670	.576	1718	.621	1805	.711	1880	.806	1720	.633
2200	2299	1550	.463	1600	.508	1647	.553	1690	.597	1730	.644	1780	.695	1820	.745	1900	.845	1980	.940	1800	.722
2400	2508	1675	.583	1719	.628	1763	.678	1805	.727	1845	.780	1888	.830	1930	.890	2008	.992	2075	1.10	1880	.825
2600	2717	1800	.715	1841	.769	1880	.821	1922	.880	1960	.930	1998	.985	2036	1.04	2110	1.16	2180	1.28	1960	.933
2800	2926	1922	.880	1967	.945	2004	.990	2040	1.04	2075	1.11	2118	1.17	2144	1.23	2220	1.36	2280	1.47	2040	1.06
3000	3135	2050	1.07	2077	1.11	2125	1.18	2160	1.23	2198	1.31	2230	1.37	2260	1.43	2330	1.56	2390	1.70	2120	1.18
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	1463	1820	.650	1983	.819	2142	.994	2280	1.18	2405	1.36	2545	1.55	2660	1.75	2779	1.96	2895	2.17	2200	1.32
1500	1567	1849	.695	2010	.870	2162	1.05	2305	1.24	2438	1.43	2570	1.64	2680	1.84	2808	2.05	2915	2.27	2280	1.47
1600	1672	1888	.745	2040	.929	2200	1.12	2336	1.32	2460	1.52	2598	1.73	2710	1.93	2830	2.15	2935	2.37	2360	1.64
1700	1776	1920	.800	2078	.987	2220	1.18	2360	1.39	2490	1.60	2620	1.82	2740	2.03	2858	2.26	2953	2.48	2440	1.81
1800	1881	1955	.862	2100	1.05	2250	1.25	2392	1.46	2520	1.68	2648	1.90	2765	2.14	2879	2.36	2977	2.59	2520	1.99
1900	1985	1990	.930	2142	1.12	2285	1.32	2418	1.54	2541	1.77	2674	2.00	2785	2.23	2903	2.47	3004	2.72	2600	2.18
2000	2090	2040	1.00	2180	.20	2322	1.40	2452	1.66	2580	1.86	2700	2.10	2820	2.34	2930	2.59	3031	2.84	2680	2.40
2200	2299	2120	1.15	2260	1.36	2400	1.58	2518	1.81	2638	2.04	2760	2.30	2870	2.54	2980	2.82	3084	3.08	2760	2.61
2400	2508	2220	1.32	2351	1.55	2460	1.78	2592	2.02	2710	2.26	2824	2.52	2930	2.78	3037	3.06	3134	3.35	2840	2.86
2600	2717	2319	1.51	2442	1.75	2563	2.00	2680	2.26	2785	2.51	2894	2.77	3000	3.05	3099	3.33	3208	3.61	2920	3.10
2800	2926	2420	1.72	2535	1.98	2650	2.26	2760	2.51	2870	2.79	2968	3.06	3060	3.34	3168	3.62	3268	3.92	3000	3.35
3000	3135	2520	1.97	2635	2.23	2740	2.51	2850	2.78	2960	3.08	3054	3.36	3150	3.66	3250	3.95	3350	4.26	3080	3.63
3200	3344	2620	2.22	2740	2.51	2841	2.80	2944	3.10	3050	3.41	3142	3.70	3240	4.03	3330	4.33	3402	4.65	3160	3.91
3400	3553	2738	2.52	2840	2.78	2931	3.13	3040	3.43	3139	3.75	3234	4.06	3320	4.40	3410	4.73	3488	5.06	3240	4.22
3600	3762	2830	2.80	2940	3.16	3045	3.47	3140	3.79	3240	4.12	3328	4.44	3410	4.79	3500	5.16	3582	5.50	3320	4.53
3800	3971	2942	3.16	3058	3.51	3150	3.86	3242	4.19	3322	4.53	3421	4.86	3510	5.23	3589	5.60	3680	5.96	3400	4.89
4000	4180	3060	3.56	3160	3.89	3275	4.32	3340	4.61	3440	4.96	3520	5.33	3610	5.68	3680	6.08	3760	6.45	3480	5.22
4200	4389	3170	3.99	3265	4.36	3360	4.72	3450	5.08	3535	5.44	3620	5.82	3700	6.21	3780	6.60	3855	7.00	3560	5.60
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	2090	3233	3.35	3420	3.87	3614	4.43	3769	4.98	3940	5.57	4080	6.16	4240	6.77	4380	7.40	4515	8.04	3640	6.0
2200	2299	3280	3.63	3468	4.19	3660	4.76	3812	5.35	3985	5.95	4118	6.57	4280	7.20	4411	7.86	4565	8.50	3720	6.40
2400	2508	3333	3.92	3512	4.53	3700	5.12	3868	5.75	4034	6.37	4172	7.02	4320	7.68	4460	8.36	4620	9.06	3800	6.80
2600	2717	3400	4.22	3590	4.85	3746	5.48	3920	6.14	4080	6.80	4240	7.48	4369	8.16	4509	8.89	4659	9.57	3880	7.25
2800	2926	3458	4.53	3640	5.20	3804	5.88	3966	6.55	4130	7.25	4284	7.95	4428	8.66	4568	9.40	4700	10.12	3960	7.70
3000	3135	3538	4.91	3698	5.56	3890	6.27	4020	6.96	4180	7.73	4324	8.40	4470	9.22	4630	9.96	4750	10.74	4040	8.20
3200	3344	3594	5.28	3776	5.96	3940	6.68	4080	7.43	4231	8.19	4400	8.96	4520	9.73	4660	10.5			4120	8.68
3400	3553	3664	5.70	3840	6.40	4010	7.15	4156	7.90	4291	8.66	4440	9.44	4571	10.28	4720	11.13			4200	9.20
3600	3762	3750	6.20	3910	6.90	4078	7.63	4200	8.40	4360	9.22	4500	10.00	4635	10.85	4789	11.8			4280	9.74
3800	3971	3840	6.68	3980	7.44	4152	8.16	4284	8.96	4429	9.79	4570	10.56	4700	11.46					4360	10.3
4000	4180	3930	7.23	4080	8.00	4230	8.80	4360	9.60	4490	10.4	4644	11.20	4770	12.08					4440	10.9
4200	4389	4010	7.78	4160	8.59	4300	9.42	4434	10.23	4570	11.07	4690	11.92							4520	11.5
4400	4598	4096	8.24	4240	9.20	4390	10.08	4520	10.88	4655	11.80									4600	12.1
4800	5016	4284	9.76	4440	10.55	4572	11.51	4702	12.40											4680	12.7
5200	5434	4486	11.11	4638	12.08	4762	13.04													4760	13.4

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

# SIZE **Damair Single Width Limit Load Type "LL" Fans** SIZE

**2 1/2** Wheel Diameter 15" Overall Wheel Width 6<sup>15/16</sup>" Outlet Area 1.28 Sq. Ft. **2 1/2**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
800	1024	685	.066	770	.09	849	.115	917	.143	988	.173	1019	.203	1107	.234	1219	.298	1322	.366	675	.065	
900	1152	726	.079	804	.106	876	.133	947	.162	1005	.193	1075	.226	1133	.260	1242	.320	1340	.401	750	.089	
1000	1280	773	.096	846	.125	917	.154	982	.184	1044	.226	1102	.256	1157	.286	1267	.361	1365	.439	825	.118	
1100	1408	819	.115	890	.145	954	.177	1018	.212	1077	.243	1129	.278	1186	.315	1292	.394	1389	.477	900	.154	
1200	1536	867	.137	935	.170	998	.204	1057	.239	1110	.276	1164	.311	1218	.348	1319	.429	1412	.519	975	.196	
1300	1664	916	.162	980	.198	1041	.231	1100	.270	1152	.308	1203	.318	1253	.387	1350	.469	1442	.558	1050	.244	
1400	1792	965	.190	1024	.226	1087	.265	1139	.304	1191	.335	1242	.388	1291	.430	1380	.515	1469	.605	1125	.300	
1500	1920	1016	.222	1073	.261	1130	.303	1182	.345	1233	.386	1283	.430	1330	.474	1417	.566	1504	.657	1200	.365	
1600	2048	1070	.258	1122	.298	1177	.344	1232	.388	1279	.432	1323	.478	1371	.525	1458	.620	1531	.718	1275	.439	
1700	2176	1120	.296	1176	.343	1229	.388	1278	.429	1319	.485	1367	.529	1410	.577	1495	.680	1570	.782	1350	.519	
1800	2304	1174	.342	1227	.388	1272	.433	1320	.482	1368	.535	1411	.585	1455	.636	1537	.739	1610	.848	1425	.612	
1900	2432	1230	.392	1278	.436	1325	.486	1373	.544	1415	.591	1458	.616	1498	.700	1577	.810	1653	.920	1500	.711	
2000	2560	1284	.444	1331	.494	1374	.546	1419	.600	1462	.656	1502	.712	1544	.768	1622	.879	1692	.996	1575	.824	
2200	2816	1395	.573	1440	.698	1480	.683	1518	.737	1559	.795	1598	.857	1637	.920	1710	1.04	1778	1.16	1650	.950	
2400	3072	1504	.716	1543	.774	1586	.836	1623	.896	1659	.961	1694	1.02	1734	1.10	1803	1.22	1866	1.36	1725	1.08	
2600	3328	1619	.882	1657	.948	1691	1.01	1729	1.09	1763	1.15	1795	1.22	1830	1.29	1896	1.43	1958	1.58	1800	1.23	
2800	3584	1728	1.09	1767	1.16	1801	1.22	1835	1.29	1867	1.37	1900	1.44	1930	1.51	1995	1.67	2050	1.81	1875	1.39	
3000	3840	1844	1.32	1870	1.38	1910	1.46	1942	1.52	1973	1.62	2005	1.69	2035	1.76	2093	1.92	2148	2.09	1950	1.56	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
1400	1792	1635	.802	1784	1.01	1930	1.23	2052	1.45	2163	1.67	2290	1.92	2394	2.15	2499	2.42	2604	2.67	2025	1.75	
1500	1920	1661	.858	1808	1.07	1945	1.30	2075	1.53	2186	1.77	2312	2.02	2413	2.27	2523	2.54	2622	2.80	2100	1.96	
1600	2048	1696	.922	1833	1.14	1974	1.38	2098	1.63	2210	1.87	2337	2.13	2435	2.38	2547	2.66	2640	2.93	2175	2.17	
1700	2176	1727	.988	1867	1.22	1997	1.46	2124	1.72	2238	1.97	2358	2.24	2460	2.51	2569	2.79	2657	3.07	2250	2.41	
1800	2304	1758	1.07	1890	1.29	2023	1.54	2150	1.81	2264	2.07	2382	2.35	2485	2.64	2591	2.92	2677	3.20	2325	2.66	
1900	2432	1788	1.15	1927	1.38	2055	1.63	2174	1.90	2290	2.18	2406	2.47	2508	2.76	2612	3.06	2701	3.35	2400	2.91	
2000	2560	1833	1.23	1962	1.48	2087	1.73	2204	2.05	2315	2.29	2430	2.59	2533	2.89	2634	3.20	2727	3.51	2475	3.20	
2200	2816	1908	1.42	2033	1.68	2154	1.94	2258	2.22	2370	2.52	2484	2.83	2581	3.15	2681	3.48	2776	3.80	2550	3.55	
2400	3072	1992	1.63	2113	1.91	2220	2.20	2328	2.49	2435	2.78	2540	3.11	2640	3.44	2731	3.78	2820	4.13	2625	3.82	
2600	3328	2080	1.86	2198	2.16	2305	2.47	2406	2.78	2507	3.09	2604	3.42	2702	3.76	2786	4.11	2884	4.46	2700	4.15	
2800	3584	2175	2.12	2278	2.44	2383	2.79	2484	3.10	2580	3.44	2670	3.78	2760	4.12	2850	4.46	2938	4.84	2775	4.51	
3000	3840	2262	2.42	2365	2.76	2465	3.10	2566	3.40	2658	3.80	2748	4.15	2833	4.53	2923	4.88	3008	5.26	2850	4.90	
3200	4096	2355	2.75	2462	3.10	2560	3.46	2646	3.82	2743	4.20	2830	4.57	2918	4.97	2996	5.35	3062	5.74	2925	5.27	
3400	4352	2457	3.10	2554	3.43	2638	3.86	2734	4.23	2820	4.62	2910	5.01	2988	5.44	3070	5.83	3140	6.25	3000	5.70	
3600	4608	2545	3.46	2640	3.90	2737	4.28	2822	4.68	2910	5.09	2994	5.49	3070	5.90	3147	6.37	3220	6.78	3075	6.14	
3800	4864	2645	3.91	2745	4.34	2833	4.76	2916	5.17	2994	5.59	3080	6.00	3155	6.46	3228	6.91	3306	7.36	3150	6.60	
4000	5120	2750	4.39	2840	4.80	2944	5.34	3004	5.70	3087	6.14	3168	6.58	3244	7.02	3312	7.50	3384	7.97	3225	7.07	
4200	5376	2854	4.93	2939	5.38	3024	5.82	3102	6.27	3180	6.72	3258	7.19	3330	7.67	3402	8.15	3468	8.63	3300	7.6	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
2000	2560	2910	4.14	3078	4.78	3252	5.46	3391	6.15	3546	6.87	3672	7.61	3816	8.37	3938	9.15	4062	9.92	3375	8.1	
2200	2816	2952	4.49	3120	5.17	3291	5.89	3432	6.61	3588	7.35	3706	8.11	3852	8.90	3972	9.70	4110	10.50	3450	8.67	
2400	3072	3000	4.84	3162	5.59	3331	6.31	3480	7.09	3630	7.88	3756	8.68	3888	9.49	4014	10.31	4157	11.19	3525	9.25	
2600	3328	3058	5.21	3226	5.99	3368	6.77	3528	7.59	3672	8.41	3814	9.20	3930	10.07	4056	10.98	4192	11.81	3600	9.85	
2800	3584	3104	5.61	3270	6.41	3422	7.25	3568	8.80	3714	8.96	3860	9.84	3984	10.70	4110	11.60	4231	12.50	3675	10.5	
3000	3840	3180	6.05	3322	6.86	3500	7.73	3616	8.96	3762	9.53	3890	10.40	4026	11.40	4164	12.30	4272	13.28	3750	11.14	
3200	4096	3230	6.53	3392	7.38	3510	8.24	3666	9.12	3810	10.10	3948	11.04	4068	12.01	4194	13.00			3825	11.8	
3400	4352	3300	7.04	3454	7.90	3604	8.80	3734	9.76	3864	10.70	3994	11.68	4116	12.70	4250	13.76			3900	12.5	
3600	4608	3372	7.65	3516	8.56	3660	9.44	3780	10.32	3924	11.40	4046	12.32	4170	13.40	4308	14.52			3975	13.25	
3800	4864	3456	8.24	3576	9.20	3730	10.08	3854	11.04	3984	12.09	4110	13.04	4230	14.18					4050	14.0	
4000	5120	3530	8.88	3666	9.85	3794	10.80	3924	11.84	4044	12.84	4174	13.84	4296	14.92					4125	14.8	
4200	5376	3608	9.62	3744	10.60	3871	11.62	3990	12.63	4116	13.68	4224	14.71							4200	15.7	
4400	5632	3686	10.16	3816	11.36	3944	12.40	4066	13.44	4188	14.59									4275	16.5	
4800	6144	3862	12.08	3984	13.04	4108	14.16	4226	15.3											4310	16.9	
5200	6656	4040	13.76	4160	14.88	4274	16.1															

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered



**SIZE Damair Single Width Limit Load Type "LL" Fans SIZE**

**2<sup>3</sup>/<sub>4</sub>** Wheel Diameter 16<sup>1</sup>/<sub>2</sub>" Overall Wheel Width 7<sup>9</sup>/<sub>16</sub>" Outlet Area 1.56 Sq. Ft. **2<sup>3</sup>/<sub>4</sub>**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
800	1249	622	.080	699	.109	771	.139	834	.174	897	.209	954	.246	1006	.283	1109	.361	1202	.444	620	0.81	
900	1405	660	.096	730	.128	796	.161	861	.196	918	.234	978	.274	1030	.314	1130	.398	1219	.485	690	.111	
1000	1561	703	.116	770	.151	833	.186	893	.223	950	.274	1002	.310	1051	.347	1151	.437	1242	.531	760	.149	
1100	1717	745	.140	808	.176	867	.215	925	.256	980	.294	1027	.337	1078	.381	1173	.476	1261	.577	830	.194	
1200	1873	788	.166	850	.206	906	.246	961	.289	1009	.334	1059	.377	1108	.422	1199	.520	1284	.626	900	.248	
1300	2029	833	.196	890	.240	946	.279	1000	.327	1048	.374	1092	.422	1140	.469	1228	.569	1311	.676	970	.309	
1400	2185	877	.228	932	.274	988	.321	1035	.368	1082	.406	1129	.470	1174	.520	1253	.623	1337	.733	1040	.381	
1500	2341	924	.268	976	.315	1029	.368	1077	.418	1120	.467	1167	.521	1209	.574	1288	.685	1369	.796	1110	.463	
1600	2498	972	.312	1021	.361	1070	.415	1120	.470	1162	.523	1202	.579	1248	.636	1325	.751	1392	.869	1180	.556	
1700	2654	1018	.360	1070	.414	1117	.468	1161	.520	1200	.587	1241	.641	1282	.700	1360	.823	1428	.946	1250	.664	
1800	2810	1069	.414	1116	.470	1158	.524	1200	.584	1244	.648	1282	.709	1323	.770	1397	.894	1464	1.03	1320	.780	
1900	2966	1119	.475	1161	.529	1203	.588	1248	.658	1288	.720	1325	.782	1361	.846	1433	.978	1502	1.11	1390	.910	
2000	3122	1169	.537	1210	.599	1250	.661	1290	.726	1329	.795	1366	.861	1405	.929	1475	1.06	1539	1.21	1460	1.05	
2200	3434	1270	.695	1309	.749	1345	.827	1380	.892	1418	.962	1452	1.04	1489	1.11	1554	1.26	1617	1.40	1530	1.21	
2400	3746	1371	.875	1405	.940	1441	1.01	1475	1.09	1509	1.16	1541	1.24	1578	1.33	1640	1.48	1697	1.64	1600	1.39	
2600	4059	1471	1.07	1505	1.15	1538	1.23	1570	1.31	1602	1.39	1631	1.47	1663	1.56	1725	1.73	1780	1.92	1670	1.58	
2800	4371	1570	1.31	1607	1.41	1639	1.48	1668	1.56	1697	1.66	1729	1.75	1753	1.83	1812	2.02	1864	2.19	1740	1.79	
3000	4683	1676	1.60	1697	1.66	1737	1.77	1765	1.84	1795	1.96	1821	2.04	1849	2.14	1903	2.33	1954	2.54	1810	2.01	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
1400	2185	1487	.971	1623	1.22	1755	1.49	1865	1.76	1967	2.03	2082	2.32	2178	2.61	2272	2.92	2368	3.23	1800	2.26	
1500	2342	1510	1.04	1644	1.30	1769	1.58	1886	1.86	1990	2.15	2101	2.44	2193	2.75	2295	3.07	2384	3.39	1950	2.51	
1600	2498	1542	1.11	1667	1.39	1796	1.68	1908	1.97	2012	2.27	2124	2.58	2215	2.89	2317	3.22	2400	3.55	2020	2.79	
1700	2654	1570	1.20	1697	1.47	1817	1.77	1931	2.08	2035	2.39	2144	2.72	2235	3.04	2336	3.37	2416	3.71	2090	3.10	
1800	2810	1598	1.29	1720	1.57	1839	1.87	1956	2.19	2058	2.51	2166	2.84	2260	3.20	2355	3.53	2434	3.88	2160	3.42	
1900	2966	1626	1.39	1752	1.67	1870	1.98	1976	2.30	2083	2.64	2188	2.99	2280	3.34	2375	3.70	2456	4.06	2230	3.76	
2000	3122	1667	1.49	1785	1.79	1910	2.10	2004	2.48	2106	2.78	2210	3.14	2305	3.50	2395	3.86	2480	4.24	2300	4.14	
2200	3434	1735	1.72	1850	2.04	1959	2.36	2054	2.70	2155	3.05	2259	3.43	2346	3.81	2439	4.21	2523	4.60	2370	4.53	
2400	3746	1813	1.97	1923	2.32	2018	2.67	2108	3.02	2215	3.38	2310	3.76	2398	4.16	2483	4.57	2564	5.00	2440	4.95	
2600	4059	1893	2.25	1999	2.62	2096	2.99	2184	3.38	2280	3.75	2368	4.14	2475	4.56	2534	4.97	2622	5.41		5.36	
2800	4371	1978	2.57	2072	2.96	2167	3.38	2258	3.76	2346	4.16	2428	4.57	2508	4.98	2592	5.40	2674	5.86		5.84	
3000	4683	2057	2.94	2153	3.34	2243	3.75	2334	4.17	2415	4.60	2498	5.03	2575	5.48	2658	5.90	2738	6.37		6.31	
3200	4995	2144	3.33	2240	3.76	2325	4.19	2404	4.63	2493	5.09	2572	5.53	2653	6.02	2723	6.47	2784	6.95	2720	6.85	
3400	5307	2234	3.76	2324	4.16	2398	4.67	2482	5.13	2565	5.60	2646	6.06	2717	6.59	2790	7.06	2856	7.57	2790	7.36	
3600	5620	2315	4.18	2401	4.72	2490	5.19	2564	5.67	2647	6.17	2723	6.64	2793	7.15	2862	7.71	2928	8.24	2860	7.96	
3800	5932	2407	4.74	2497	5.25	2575	5.76	2650	6.26	2722	6.77	2800	7.26	2870	7.82	2935	8.35	3004	8.88	2650	8.55	
4000	6244	2500	5.30	2580	5.81	2680	6.46	2732	6.89	2810	7.43	2880	7.96	2950	8.49	3011	9.10	3078	9.67	3000	9.70	
4200	6556	2593	5.96	2671	6.51	2749	7.05	2820	7.59	2890	8.14	2962	8.69	3027	9.27	3094	9.85	3152	10.42	3070	9.85	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
2000	3122	2646	5.01	2799	5.79	2957	6.61	3082	7.44	3224	8.31	3329	9.20	3470	10.13	3581	11.04	3693	12.00	3140	10.55	
2200	3434	2683	5.42	2837	6.25	2993	7.12	3120	8.00	3262	8.88	3369	9.81	3502	10.75	3611	11.73	3737	12.69	3210	11.3	
2400	3746	2727	5.85	2875	6.76	3028	7.65	3164	8.58	3301	9.52	3414	10.49	3535	11.47	3649	12.47	3780	13.52	3280	12.0	
2600	4059	2782	6.30	2934	7.26	3062	8.16	3208	9.20	3339	10.17	3466	11.20	3574	12.19	3688	13.28	3812	14.29	3350	12.8	
2800	4371	2824	6.79	2974	7.77	3114	8.80	3246	9.76	3367	10.81	3510	11.92	3622	12.94	3727	14.03	3847	15.12	3420	13.6	
3000	4683	2892	7.33	3020	8.32	3184	9.36	3288	10.40	3421	11.52	3538	12.64	3660	13.79	3787	14.88	3883	16.1	3490	14.5	
3200	4995	2936	7.90	3084	8.88	3220	10.0	3334	11.12	3464	12.22	3592	13.44	3699	14.54	3813	15.71			3560	15.4	
3400	5307	3002	8.48	3140	9.60	3276	10.71	3394	11.77	3513	12.94	3634	14.17	3742	15.39	3862	16.6			3630	16.3	
3600	5620	3066	9.28	3196	10.32	3326	11.36	3440	12.57	3568	13.80	3678	15.0	3792	16.2	3917	17.6			3700	17.3	
3800	5932	3144	10.0	3252	11.13	3394	12.23	3504	13.37	3622	14.61	3740	15.8	3847	17.2					3770	18.3	
4000	6244	3208	10.8	3334	11.92	3452	13.12	3570	14.31	3677	15.5	3802	16.8	3906	18.1					3840	19.3	
4200	6556	3279	11.62	3404	12.82	3519	14.08	3628	15.3	3742	16.6	3840	17.8							3920	20.5	
4400	6868	3354	12.31	3470	13.78	3586	15.0	3700	16.3	3807	17.7											
4800	7492	3512	14.63	3626	15.8	3736	17.1	3846	18.6													
5200	8118	3674	16.6	3786	18.0	3886	19.5															

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepower are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered



**SIZE 3 Damair Single Width Limit Load Type "LL" Fans SIZE 3**

Wheel Diameter 18" Overall Wheel Width 8<sup>1</sup>/<sub>16</sub>" Outlet Area 1.86 Sq. Ft.

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4"S.P.		3/8"S.P.		1/2"S.P.		5/8"S.P.		3/4"S.P.		7/8"S.P.		1"S.P.		1 1/4"S.P.		1 1/2"S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	1486	571	.094	641	.129	707	.166	764	.206	823	.249	874	.292	922	.337	1016	.429	1102	.528	570	.097
900	1672	605	.114	670	.153	730	.191	789	.234	841	.278	896	.326	944	.374	1036	.474	1117	.577	630	.131
1000	1858	644	.138	705	.179	764	.222	818	.265	871	.326	919	.369	965	.412	1056	.520	1138	.631	690	.172
1100	2043	682	.166	741	.209	795	.256	848	.305	898	.350	941	.401	988	.454	1077	.567	1156	.686	750	.221
1200	2229	723	.197	779	.244	831	.293	881	.344	925	.397	971	.449	1015	.502	1099	.619	1176	.745	810	.278
1300	2415	763	.233	816	.285	868	.332	916	.389	961	.445	1002	.502	1044	.557	1124	.677	1201	.804	870	.345
1400	2600	804	.272	854	.326	906	.381	949	.438	993	.483	1034	.559	1076	.619	1149	.742	1223	.872	930	.421
1500	2786	848	.319	895	.376	942	.437	986	.497	1028	.555	1069	.620	1108	.684	1180	.815	1253	.947	990	.507
1600	2972	892	.372	936	.429	982	.495	1027	.558	1066	.622	1102	.689	1142	.756	1215	.894	1276	1.03	1050	.607
1700	3158	933	.425	980	.492	1023	.559	1064	.618	1099	.699	1139	.762	1176	.833	1246	.979	1309	1.12	1110	.716
1800	3343	979	.492	1022	.558	1060	.623	1100	.695	1140	.771	1176	.811	1213	.916	1280	1.06	1342	1.22	1170	.837
1900	3529	1025	.565	1065	.629	1104	.700	1143	.783	1179	.856	1215	.930	1249	1.01	1313	1.16	1379	1.32	1230	.973
2000	3715	1070	.639	1110	.712	1146	.785	1182	.865	1218	.913	1251	1.02	1288	1.11	1351	1.26	1410	1.43	1290	1.13
2200	4046	1165	.828	1199	.891	1233	.984	1265	1.06	1299	1.14	1331	1.23	1364	1.32	1424	1.50	1482	1.67	1350	1.29
2400	4458	1254	1.03	1287	1.12	1321	1.20	1352	1.29	1382	1.38	1412	1.47	1445	1.58	1502	1.76	1556	1.95	1410	1.47
2600	4830	1349	1.27	1380	1.37	1409	1.46	1440	1.56	1469	1.65	1496	1.75	1525	1.85	1580	2.06	1631	2.28	1470	1.67
2800	5200	1440	1.57	1472	1.68	1501	1.76	1529	1.86	1555	1.98	1583	2.08	1608	2.18	1661	2.41	1708	2.61	1530	1.88
3000	5572	1540	1.91	1560	1.99	1591	2.10	1619	2.19	1645	2.32	1670	2.43	1694	2.54	1744	2.77	1791	3.02	1590	2.10
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2"S.P.		2 1/2"S.P.		3"S.P.		3 1/2"S.P.		4"S.P.		4 1/2"S.P.		5"S.P.		5 1/2"S.P.		6"S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	2600	1363	1.15	1487	1.45	1608	1.77	1710	2.09	1803	2.41	1908	2.76	1996	3.10	2083	3.48	2170	3.85	1650	2.35
1500	2786	1383	1.24	1507	1.55	1621	1.87	1729	2.21	1823	2.56	1926	2.91	2010	3.27	2103	3.65	2185	4.04	1710	2.62
1600	2972	1413	1.33	1528	1.65	1646	1.99	1748	2.34	1843	2.70	1947	3.07	2028	3.43	2123	3.83	2200	4.22	1770	2.90
1700	3158	1439	1.42	1556	1.75	1664	2.10	1770	2.47	1866	2.84	1965	3.23	2048	3.61	2141	4.01	2214	4.41	1830	3.22
1800	3343	1465	1.53	1576	1.86	1686	2.22	1792	2.61	1887	2.99	1985	3.38	2071	3.80	2159	4.20	2231	4.61	1890	3.55
1900	3529	1490	1.65	1606	1.99	1713	2.35	1812	2.74	1908	3.14	2005	3.56	2088	3.97	2177	4.40	2251	4.83	1950	3.88
2000	3715	1528	1.77	1636	2.12	1741	2.49	1838	2.95	1930	3.30	2025	3.73	2111	4.16	2195	4.60	2273	5.05	2010	4.26
2200	4086	1590	2.04	1694	2.42	1796	2.80	1882	3.21	1975	3.63	2070	4.08	2152	4.54	2234	5.01	2343	5.48	2070	4.66
2400	4458	1661	2.34	1761	2.75	1849	3.17	1942	3.58	2030	4.01	2118	4.48	2198	4.95	2276	5.44	2350	5.95	2130	5.05
2600	4830	1735	2.68	1832	3.11	1921	3.56	2004	4.01	2088	4.46	2170	4.93	2252	5.42	2322	5.92	2402	6.42	2190	5.49
2800	5200	1813	3.05	1898	3.52	1986	4.02	2068	4.47	2151	4.95	2225	5.44	2299	5.93	2375	6.43	2446	6.98	2250	5.97
3000	5572	1886	3.49	1971	3.98	2056	4.45	2138	4.96	2215	5.47	2290	5.98	2360	6.52	2436	7.03	2506	7.59	2310	6.49
3200	5944	1963	3.96	2053	4.47	2131	4.97	2204	5.51	2284	6.05	2358	6.58	2430	7.16	2496	7.70	2552	8.25	2370	6.96
3400	6316	2047	4.47	2127	4.95	2198	5.56	2278	6.10	2351	6.63	2425	7.21	2491	7.84	2558	8.40	2618	8.96	2430	7.52
3600	6686	2120	4.98	2200	5.61	2281	6.17	2352	6.75	2425	7.34	2495	7.90	2558	8.50	2623	9.17	2684	9.76	2490	8.07
3800	7058	2206	5.63	2287	6.25	2360	6.86	2430	7.44	2495	8.06	2567	8.65	2628	9.30	2690	9.95	2758	10.56	2550	8.69
4000	7430	2292	6.34	2364	6.91	2456	7.69	2502	8.16	2574	8.84	2640	9.48	2703	10.10	2760	10.80	2820	11.43	2610	9.32
4200	7802	2378	7.10	2449	7.75	2520	8.39	2585	9.03	2650	9.68	2715	10.34	2775	11.03	2835	11.72	2890	12.41	2670	9.97
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7"S.P.		8"S.P.		9"S.P.		10"S.P.		11"S.P.		12"S.P.		13"S.P.		14"S.P.		15"S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	3715	2425	5.96	2565	6.89	2710	7.87	2826	8.86	2955	9.90	3060	10.95	3180	12.04	3282	13.15	3385	14.28	2730	10.7
2200	4086	2460	6.46	2600	7.45	2743	8.48	2860	9.52	2990	10.58	3088	11.63	3210	12.80	3310	13.96	3425	15.1	2790	11.4
2400	4458	2500	6.97	2635	8.05	2776	9.10	2900	10.2	3025	11.33	3130	12.49	3240	13.65	3345	14.85	3465	16.1	2850	12.2
2600	4830	2546	7.50	2688	8.65	2806	9.76	2940	10.89	3060	12.10	3178	13.29	3275	14.50	3380	15.8	3493	17.0	2910	12.9
2800	5200	2586	8.08	2726	9.20	2854	10.40	2974	11.60	3095	12.89	3216	14.16	3320	15.4	3425	16.7	3526	18.0	2970	13.8
3000	5572	2650	8.73	2766	9.93	2916	11.12	3014	12.40	3135	13.71	3242	14.96	3355	16.4	3470	17.7	3560	19.1	3030	14.6
3200	5944	2692	9.36	2826	10.65	2950	11.85	3056	13.20	3175	14.56	3292	15.9	3390	17.3	3495	18.7			3090	15.5
3400	6316	2748	10.16	2878	11.38	3002	12.72	3112	14.00	3220	15.4	3328	16.8	3430	18.3	3540	19.8			3150	16.4
3600	6686	2810	11.05	2930	12.25	3048	13.52	3152	14.90	3270	16.4	3372	17.8	3475	19.3	3590	20.9			3210	17.3
3800	7058	2880	11.91	2980	13.20	3108	14.50	3212	15.9	3320	17.4	3426	18.8	3525	20.4					3270	18.4
4000	7430	2942	12.80	3056	14.16	3162	15.6	3272	17.0	3370	18.5	3482	19.9	3580	21.5					3330	19.4
4200	7802	3007	13.83	3120	15.3	3226	16.7	3325	18.2	3430	19.7	3520	21.2							3390	20.4
4400	8174	3074	14.64	3180	16.3	3286	17.9	3388	19.4	3490	21.0									3450	21.6
4800	8918	3218	17.3	3322	18.7	3424	20.4	3522	22.0											3510	22.7
5200	9662	3366	19.8	3470	21.4	3562	23.2													3570	23.9

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE Damair Single Width Limit Load Type "LL" Fans SIZE**

**3 1/4** Wheel Diameter 20" Overall Wheel Width 9 1/16" Outlet Area 2.29 Sq. Ft. **3 1/4**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	1834	514	.117	577	.160	636	.205	688	.255	741	.308	787	.362	830	.416	915	.530	992	.652	510	.118
900	2064	544	.142	603	.188	656	.237	709	.288	757	.344	806	.402	850	.462	933	.585	1006	.713	565	.160
1000	2293	580	.171	635	.222	687	.274	736	.328	784	.402	827	.455	868	.510	950	.642	1024	.78	620	.211
1100	2522	613	.205	667	.258	715	.316	763	.376	808	.433	847	.495	888	.560	970	.700	1040	.847	675	.274
1200	2752	650	.244	700	.303	748	.362	793	.425	833	.490	874	.553	914	.619	990	.765	1059	.92	730	.345
1300	2981	687	.286	735	.352	782	.410	825	.480	865	.548	903	.620	940	.688	1013	.835	1082	.993	785	.429
1400	3210	724	.336	769	.402	815	.471	854	.541	893	.595	931	.680	970	.765	1033	.917	1103	1.08	840	.525
1500	3440	764	.395	806	.464	848	.540	887	.613	925	.687	961	.765	998	.843	1061	1.01	1123	1.17	895	.635
1600	3669	804	.460	843	.529	883	.610	925	.689	959	.768	993	.850	1028	.933	1093	1.11	1150	1.28	950	.760
1700	3898	841	.528	883	.608	920	.690	958	.763	989	.863	1024	.941	1060	1.03	1120	1.21	1179	1.39	1005	.902
1800	4128	883	.610	921	.690	954	.769	990	.857	1027	.951	1059	1.04	1092	1.13	1151	1.32	1210	1.51	1060	1.06
1900	4357	923	.697	959	.775	994	.864	1030	.965	1060	1.05	1093	1.15	1123	1.25	1183	1.44	1240	1.64	1115	1.23
2000	4586	963	.790	997	.875	1031	.970	1064	1.06	1096	1.17	1127	1.27	1159	1.37	1218	1.56	1270	1.77	1170	1.42
2200	5045	1045	1.03	1079	1.10	1110	1.21	1138	1.31	1169	1.42	1200	1.53	1229	1.64	1282	1.85	1335	2.07	1225	1.63
2400	5504	1131	1.29	1158	1.37	1190	1.49	1219	1.60	1244	1.70	1271	1.82	1300	1.95	1351	2.18	1400	2.41	1280	1.86
2600	5962	1213	1.57	1242	1.69	1269	1.80	1297	1.93	1320	2.04	1347	2.16	1372	2.28	1422	2.54	1470	2.81	1335	2.11
2800	6421	1297	1.93	1328	2.08	1351	2.18	1375	2.29	1400	2.44	1425	2.56	1449	2.69	1498	2.97	1537	3.22	1390	2.38
3000	6880	1385	2.34	1402	2.50	1452	2.59	1457	2.71	1480	2.87	1503	3.00	1526	3.14	1570	3.42	1610	3.73	1445	2.66
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	3210	1228	1.43	1340	1.80	1448	2.18	1540	2.58	1625	2.98	1717	3.41	1796	3.83	1875	4.30	1952	4.75	1500	2.99
1500	3440	1248	1.53	1360	1.91	1462	2.32	1555	2.73	1645	3.16	1732	3.59	1810	4.03	1892	4.50	1966	4.99	1555	3.32
1600	3669	1275	1.64	1375	2.04	1482	2.46	1574	2.90	1660	3.33	1751	3.79	1828	4.24	1910	4.72	1980	5.21	1610	3.69
1700	3898	1295	1.76	1400	2.17	1500	2.60	1592	3.05	1680	3.51	1700	3.99	1845	4.46	1926	4.95	1992	5.45	1665	4.08
1800	4128	1320	1.89	1420	2.30	1520	2.75	1612	3.22	1698	3.69	1786	4.17	1863	4.70	1942	5.19	2005	5.70	1720	4.51
1900	4357	1347	2.04	1448	2.46	1542	2.91	1632	3.38	1719	3.88	1805	4.39	1882	4.90	1960	5.43	2025	5.95	1775	4.95
2000	4586	1375	2.19	1470	2.63	1570	3.08	1654	3.64	1740	4.08	1820	4.60	1900	5.13	1975	5.67	2050	6.23	1830	5.47
2200	5045	1435	2.53	1527	3.00	1618	3.47	1694	3.96	1780	4.48	1860	5.04	1937	5.59	2010	6.18	2080	6.76	1885	5.93
2400	5504	1498	2.90	1590	3.40	1664	3.92	1748	4.42	1830	4.96	1905	5.53	1978	6.11	2050	6.71	2115	7.35	1940	6.45
2600	5962	1562	3.31	1645	3.84	1731	4.40	1806	4.96	1880	5.51	1953	6.08	2025	6.69	2090	7.30	2164	7.94	1995	7.05
2800	6421	1632	3.77	1710	4.35	1788	4.97	1862	5.44	1936	6.12	2000	6.70	2066	7.31	2138	7.94	2206	8.65	2050	7.61
3000	6880	1696	4.32	1779	4.92	1850	5.52	1922	6.11	1992	6.76	2060	7.38	2125	8.05	2190	8.67	2246	9.36	2105	8.30
3200	7338	1770	4.89	1845	5.53	1920	6.16	1986	6.80	2058	7.47	2120	8.12	2187	8.84	2245	9.50	2300	10.24	2160	8.94
3400	7796	1845	5.52	1915	6.12	1980	6.86	2048	7.53	2116	8.21	2180	8.90	2242	9.68	2300	10.38	2358	11.11	2215	9.64
3600	8255	1908	6.15	1980	6.93	2050	7.61	2118	8.33	2183	9.05	2245	9.75	2300	10.56	2360	11.32	2420	12.10	2270	10.35
3800	8714	1988	6.95	2060	7.72	2130	8.47	2186	9.20	2250	9.95	2310	10.68	2365	11.51	2420	12.30	2480	13.11	2325	11.15
4000	9172	2065	7.79	2130	8.53	2210	9.49	2254	10.16	2318	10.96	2375	11.70	2434	12.49	2482	13.33	2540	14.16	2380	11.94
4200	9630	2140	8.76	2205	9.56	2270	10.35	2326	11.15	2385	11.94	2440	12.77	2500	13.61	2550	14.48	2600	15.32	2435	12.80
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	4586	2180	7.36	2310	8.50	2440	9.72	2540	10.95	2660	12.21	2750	13.51	2860	14.88	2950	16.2	3045	17.6	2490	13.68
2200	5045	2215	7.97	2340	9.20	2470	10.46	2575	11.75	2690	13.05	2780	14.41	2890	15.8	2980	17.3	3080	18.6	2545	14.60
2400	5504	2250	8.60	2370	9.94	2500	11.23	2610	12.60	2720	13.98	2815	15.4	2915	16.8	3010	18.3	3120	19.9	2600	15.6
2600	5962	2296	9.28	2420	10.63	2534	12.08	2648	13.52	2750	14.94	2860	16.4	2945	17.9	3040	19.5	3145	21.0	2655	16.9
2800	6421	2330	10.00	2456	11.43	2574	12.88	2680	14.40	2782	15.9	2896	17.4	2990	19.0	3080	20.6	3170	22.2	2710	17.6
3000	6880	2386	10.80	2496	12.23	2614	13.76	2720	15.3	2820	16.9	2924	18.6	3020	20.2	3120	21.8	3200	23.6	2765	18.7
3200	7338	2430	11.60	2550	13.11	2658	14.64	2750	16.3	2855	18.0	2964	19.7	3050	21.4	3145	23.1			2820	19.8
3400	7796	2476	12.55	2590	14.09	2706	15.7	2800	17.4	2900	19.0	3000	20.8	3085	22.6	3180	24.4			2875	21.0
3600	8255	2530	13.60	2640	15.1	2746	16.7	2840	18.4	2940	20.2	3040	22.0	3125	23.8	3230	25.8			2930	22.3
3800	8714	2596	14.71	2694	16.3	2800	17.9	2896	19.7	2985	21.5	3084	23.5	3170	25.2					2985	23.5
4000	9172	2654	15.8	2750	17.5	2854	19.3	2940	21.0	3030	22.8	3140	24.6	3220	26.5					3040	24.9
4200	9630	2715	17.1	2810	18.8	2905	20.7	2990	22.5	3085	24.3	3170	26.2							3095	26.2
4400	10090	2770	18.2	2870	20.2	2960	22.1	3054	24.0	3140	25.9									3150	27.7
4800	11008	2900	21.4	2996	23.2	3084	25.2	3180	27.2											3205	29.1
5200	11924	3034	24.5	3124	26.5	3214	28.8													3260	30.6

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepower are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE Damair Single Width Limit Load Type "LL" Fans SIZE**

**3 3/4** Wheel Diameter 22 1/4" Overall Wheel Width 10 1/16" Outlet Area 2.83 Sq. Ft. **3 3/4**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
800	2264	462	.144	518	.197	571	.253	620	.315	666	.381	706	.446	745	.515	821	.656	892	.805	460	.147	
900	2547	489	.175	542	.233	591	.293	638	.357	680	.426	725	.497	763	.571	837	.725	904	.881	510	.207	
1000	2830	520	.211	570	.274	618	.339	662	.405	704	.498	743	.564	780	.630	854	.795	920	.965	560	.266	
1100	3113	553	.254	600	.319	613	.390	687	.466	727	.536	762	.612	800	.693	871	.867	936	1.05	610	.342	
1200	3396	584	.302	630	.373	672	.448	713	.525	748	.608	785	.685	822	.766	889	.946	952	1.14	660	.435	
1300	3679	616	.354	660	.436	702	.508	742	.594	777	.678	810	.766	845	.852	910	1.03	971	1.23	710	.540	
1400	3962	650	.415	690	.495	733	.583	768	.670	803	.738	837	.853	870	.947	930	1.13	989	1.33	760	.664	
1500	4245	686	.490	724	.573	762	.668	798	.759	832	.848	865	.947	896	1.04	954	1.25	1014	1.45	810	.801	
1600	4528	722	.570	757	.655	794	.756	830	.855	863	.952	891	1.05	925	1.16	983	1.37	1030	1.58	860	.962	
1700	4811	755	.650	793	.754	828	.855	861	.945	891	1.07	921	1.16	951	1.27	1010	1.50	1059	1.72	910	1.10	
1800	5094	792	.754	827	.854	858	.952	890	1.06	923	1.18	952	1.29	980	1.40	1035	1.63	1085	1.87	960	1.33	
1900	5377	830	.862	862	.962	894	1.07	926	1.20	955	1.31	985	1.42	1010	1.54	1061	1.78	1114	2.02	1010	1.57	
2000	5660	865	.976	898	1.09	926	1.20	956	1.32	986	1.44	1013	1.57	1041	1.69	1092	1.93	1140	2.19	1060	1.79	
2200	6226	940	1.26	970	1.36	997	1.49	1023	1.61	1052	1.75	1077	1.89	1103	2.02	1151	2.29	1198	2.56	1110	2.06	
2400	6792	1014	1.58	1041	1.71	1070	1.84	1092	1.96	1120	2.11	1143	2.25	1169	2.41	1216	2.69	1258	2.98	1160	2.35	
2600	7358	1090	1.94	1116	2.09	1139	2.23	1164	2.38	1190	2.52	1210	2.67	1232	2.83	1278	3.15	1319	3.48	1210	2.70	
2800	7924	1164	2.38	1190	2.58	1214	2.69	1237	2.84	1258	3.00	1281	3.17	1300	3.32	1343	3.68	1380	3.99	1260	3.02	
3000	8490	1245	2.91	1260	3.01	1288	3.21	1310	3.35	1332	3.55	1352	3.71	1372	3.88	1410	4.22	1450	4.61	1310	3.39	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
1400	3962	1101	1.77	1202	2.22	1301	2.70	1385	3.20	1458	3.68	1545	4.22	1612	4.74	1688	5.32	1757	5.89	1360	3.80	
1500	4245	1120	1.89	1218	2.37	1310	2.87	1400	3.38	1474	3.90	1560	4.45	1625	5.00	1704	5.58	1770	6.18	1410	4.22	
1600	4528	1142	2.03	1235	2.52	1330	3.05	1412	3.57	1490	4.12	1576	4.70	1640	5.25	1720	5.86	1782	6.45	1460	4.69	
1700	4811	1164	2.18	1259	2.68	1346	3.22	1433	3.78	1509	4.34	1591	4.94	1657	5.51	1734	6.14	1794	6.74	1510	5.20	
1800	5094	1185	2.34	1275	2.85	1362	3.40	1450	3.97	1526	4.56	1607	5.17	1673	5.82	1748	6.42	1806	7.05	1560	5.74	
1900	5377	1205	2.53	1300	3.04	1385	3.60	1468	4.19	1543	4.80	1624	5.44	1690	6.06	1763	6.73	1824	7.38	1610	6.32	
2000	5660	1235	2.72	1322	3.25	1109	3.81	1486	4.51	1560	5.04	1640	5.70	1706	6.35	1778	7.04	1840	7.72	1660	6.93	
2200	6226	1285	3.13	1370	3.71	1451	4.28	1524	4.89	1598	5.55	1676	6.24	1738	6.92	1810	7.66	1874	8.38	1710	7.54	
2400	6792	1342	3.58	1423	4.22	1194	4.85	1570	5.48	1640	6.13	1714	6.85	1777	7.56	1842	8.32	1904	9.10	1760	8.35	
2600	7358	1402	4.10	1482	4.75	1552	5.45	1620	6.12	1690	6.81	1758	7.54	1820	8.28	1880	9.05	1942	9.84	1810	8.98	
2800	7924	1466	4.67	1535	5.38	1605	6.13	1674	6.82	1739	7.57	1802	8.32	1860	9.06	1924	9.83	1978	10.64	1860	9.68	
3000	8490	1525	5.34	1593	6.09	1662	6.82	1730	7.57	1792	8.36	1855	9.14	1908	9.96	1972	10.75	2028	11.60	1910	10.55	
3200	9056	1588	6.05	1660	6.82	1721	7.63	1782	8.40	1850	9.25	1910	10.46	1964	10.97	2020	11.77	2060	12.64	1960	11.36	
3400	9622	1655	6.83	1720	7.56	1778	8.49	1842	9.28	1900	10.16	1964	11.02	2018	12.00	2070	12.85	2118	13.75	2010	12.24	
3600	10187	1715	7.61	1780	8.59	1843	9.43	1904	10.33	1962	11.20	2020	12.08	2070	13.03	2124	14.02	2170	14.95	2060	13.28	
3800	10753	1785	8.60	1850	9.50	1910	10.48	1970	11.37	2018	12.32	2079	13.22	2125	14.24	2179	15.2	2228	16.1	2110	14.19	
4000	11320	1854	9.65	1915	10.56	1985	11.75	2026	12.58	2080	13.52	2138	14.50	2185	15.4	2235	16.5	2280	17.5	2160	15.2	
4200	11886	1925	10.85	1982	11.85	2040	12.83	2093	13.80	2146	14.80	2199	15.8	2246	16.9	2295	17.9	2340	19.0	2210	16.3	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
2000	5660	1964	9.12	2077	10.54	2195	12.04	2289	13.55	2392	15.1	2480	16.8	2575	18.4	2658	20.1	2741	21.8	2260	17.3	
2200	6226	1992	9.88	2106	11.40	2222	12.96	2316	14.55	2420	16.2	2505	17.9	2600	19.6	2680	21.4	2774	23.1	2310	18.6	
2400	6792	2025	10.65	2134	12.30	2248	13.91	2349	15.6	2450	17.3	2535	19.1	2624	20.9	2709	22.7	2808	24.6	2360	19.9	
2600	7358	2058	11.51	2176	13.20	2270	14.88	2378	16.6	2478	18.5	2558	20.3	2652	22.2	2738	24.2	2828	26.0	2410	21.1	
2800	7924	2090	12.31	2202	14.15	2306	15.9	2404	17.8	2507	19.7	2602	21.6	2689	23.6	2774	25.5	2855	27.5	2460	22.5	
3000	8490	2142	13.35	2240	15.1	2356	17.0	2436	19.0	2540	21.0	2620	23.0	2722	25.1	2810	27.0	2883	29.2	2510	24.0	
3200	9056	2180	14.40	2284	16.2	2384	18.2	2470	20.2	2571	22.2	2660	24.4	2745	26.4	2830	28.6			2560	25.4	
3400	9622	2222	15.5	2328	17.4	2424	19.4	2518	21.4	2608	23.6	2692	25.8	2778	28.0	2868	30.3			2610	26.9	
3600	10187	2272	16.8	2370	18.7	2466	20.7	2550	22.8	2648	25.1	2724	27.2	2814	29.5	2900	32.0			2660	28.5	
3800	10753	2328	18.2	2410	20.2	2516	22.2	2600	24.3	2690	26.6	2770	28.8	2854	31.2					2710	30.1	
4000	11320	2380	19.6	2470	21.8	2558	23.8	2644	26.0	2730	28.3	2818	30.5	2908	32.9					2760	31.8	
4200	11886	2434	21.2	2528	23.3	2611	25.6	2694	27.8	2778	30.1	2850	32.4							2810	33.5	
4400	12452	2486	22.4	2570	25.1	2658	27.3	2740	29.7	2827	32.1									2860	35.4	
4800	13584	2600	26.5	2684	28.6	2766	31.2	2846	33.8											2910	37.3	
5200	14716	2720	30.2	2804	32.8	2880	35.4															

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered



**SIZE Damair Single Width Limit Load Type "LL" Fans SIZE**

**4** Wheel Diameter 24½" Overall Wheel Width 11<sup>3</sup>/<sub>16</sub>" Outlet Area 3.44 Sq. Ft. **4**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		⅞" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	2753	414	.165	468	.228	516	.296	560	.365	602	.439	643	.518	681	.600	752	.767	816	.945	410	.169
900	3097	439	.198	489	.268	535	.340	576	.417	619	.494	656	.575	693	.660	762	.841	826	1.03	455	.231
1000	3141	463	.238	512	.312	556	.389	597	.472	635	.553	671	.642	706	.730	775	.920	837	1.12	500	.306
1100	3785	490	.286	535	.363	578	.448	619	.532	655	.624	689	.716	724	.810	788	1.01	850	1.22	545	.396
1200	4129	519	.340	561	.421	603	.509	640	.603	676	.696	709	.795	742	.896	805	1.10	861	1.32	590	.502
1300	4473	549	.405	588	.487	626	.580	663	.679	696	.779	730	.881	762	.986	822	1.21	880	1.43	635	.626
1400	4818	580	.480	615	.565	651	.661	687	.764	721	.870	751	.978	783	1.09	841	1.32	896	1.56	680	.769
1500	5162	612	.561	644	.651	678	.752	710	.859	745	.967	774	1.09	805	1.20	863	1.44	916	1.69	725	.930
1600	5506	614	.653	675	.751	706	.853	738	.962	768	1.08	799	1.20	826	1.32	882	1.57	936	1.83	770	1.15
1700	5850	676	.755	706	.860	735	.966	765	1.08	795	1.19	823	1.32	852	1.45	905	1.71	958	1.98	815	1.32
1800	6194	710	.875	737	.976	764	1.09	793	1.21	821	1.33	848	1.46	876	1.59	928	1.86	980	2.14	860	1.56
1900	6538	744	1.01	770	1.11	795	1.24	820	1.34	849	1.47	875	1.61	901	1.74	951	2.02	1000	2.32	905	1.81
2000	6882	777	1.15	803	1.27	826	1.39	851	1.50	876	1.63	902	1.77	926	1.91	976	2.26	1024	2.50	950	2.10
2200	7570	845	1.47	869	1.60	890	1.73	914	1.86	936	2.00	957	2.14	980	2.28	1030	2.58	1072	2.91	995	2.41
2400	8258	915	1.82	935	1.98	955	2.14	976	2.27	995	2.41	1018	2.58	1039	2.72	1080	3.03	1125	3.38	1040	2.47
2600	8947	983	2.28	1002	2.47	1022	2.62	1045	2.79	1060	2.90	1080	3.08	1099	3.25	1137	3.56	1178	4.53	1085	3.11
2800	9635	1051	2.82	1071	2.97	1090	3.18	1108	3.32	1126	3.50	1142	3.64	1160	3.81	1196	4.16	1231	5.31	1130	3.52
3000	10323	1121	3.43	1140	3.53	1157	3.81	1168	3.91	1190	4.10	1208	4.30	1225	4.50	1258	4.85	1240	5.21	1175	3.96
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	4818	996	2.04	1094	2.59	1183	3.14	1265	3.72	1340	4.32	1414	4.94	1482	5.59	1555	6.26	1619	6.96	1220	4.43
1500	5162	1014	2.20	1109	2.74	1193	3.33	1276	3.93	1352	4.50	1426	5.19	1493	5.85	1562	6.54	1624	7.24	1265	4.94
1600	5506	1032	2.36	1120	2.92	1206	3.53	1288	4.14	1362	4.79	1435	5.46	1506	6.15	1572	6.84	1635	7.56	1310	5.49
1700	5850	1051	2.54	1137	3.12	1219	3.75	1300	4.38	1376	5.03	1447	5.73	1511	6.42	1580	7.14	1641	7.90	1355	6.08
1800	6194	1071	2.72	1157	3.33	1237	3.95	1314	4.60	1389	5.28	1458	6.01	1525	6.75	1589	7.47	1650	8.23	1400	6.69
1900	6538	1091	2.91	1173	3.55	1252	4.19	1328	4.86	1400	5.57	1472	6.29	1535	7.05	1604	7.80	1664	8.59	1445	7.34
2000	6882	1111	3.12	1194	3.77	1270	4.45	1344	5.13	1413	5.84	1481	6.58	1550	7.36	1613	8.15	1675	8.96	1490	8.06
2200	7570	1157	3.58	1238	4.25	1310	4.98	1381	5.73	1450	6.46	1511	7.24	1580	8.05	1638	8.86	1699	9.71	1535	8.91
2400	8258	1207	4.07	1279	4.82	1354	5.57	1420	6.36	1483	7.18	1548	7.98	1609	8.80	1665	9.65	1721	10.53	1580	9.64
2600	8947	1252	4.65	1329	5.45	1396	6.23	1465	7.04	1526	7.90	1587	8.76	1645	9.67	1705	10.52	1759	11.41	1625	10.49
2800	9635	1308	5.30	1375	6.12	1442	6.97	1505	7.83	1565	8.59	1631	9.60	1681	10.47	1739	11.50	1793	12.44	1670	11.37
3000	10323	1359	6.00	1424	6.88	1490	7.73	1550	8.67	1609	9.59	1671	10.50	1728	11.48	1780	12.48	1834	13.49	1715	12.33
3200	11011	1412	6.82	1477	7.73	1537	8.60	1600	9.56	1655	10.55	1711	11.54	1766	12.54	1820	13.53	1871	14.59	1760	13.30
3400	11699	1470	7.72	1530	8.61	1590	9.55	1648	10.53	1703	11.55	1759	12.63	1810	13.76	1861	14.70	1915	15.8	1805	14.36
3600	12387	1531	8.74	1585	9.69	1643	10.60	1696	11.63	1751	12.68	1805	13.76	1859	14.89	1905	16.0	1956	17.1	1850	15.5
3800	13075	1593	9.86	1643	10.80	1693	11.80	1750	12.84	1803	13.95	1854	15.0	1908	16.2	1955	17.3	2000	18.5	1895	16.6
4000	13763	1652	11.12	1704	12.07	1756	13.03	1804	14.15	1858	15.3	1905	16.4	1959	17.6	2000	18.7	2049	20.0	1940	17.8
4200	14453	1719	12.45	1765	13.43	1811	14.17	1860	15.6	1907	16.7	1958	17.8	2008	19.0	2042	20.3	2098	21.5	1985	19.1
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	6882	1790	10.59	1900	12.31	2003	14.1	2100	15.9	2199	17.8	2288	19.8	2376	21.8	2459	23.8	2544	26.0	2030	20.4
2200	7570	1810	11.46	1906	13.26	2036	15.1	2116	16.9	2215	19.0	2304	21.0	2392	23.1	2489	25.2	2553	27.4	2075	21.8
2400	8258	1835	12.35	1644	14.25	2045	16.2	2138	18.1	2231	20.2	2321	22.3	2410	24.4	2492	26.6	2573	29.0	2120	23.3
2600	8947	1860	13.30	1969	15.2	2070	17.3	2160	19.3	2256	21.5	2337	23.7	2428	25.9	2510	28.1	2590	30.4	2165	24.8
2800	9635	1899	14.35	1995	16.3	2098	18.5	2186	20.7	2276	22.9	2365	25.1	2449	27.4	2531	29.8	2609	32.1	2210	26.3
3000	10323	1930	15.5	2029	17.6	2119	19.7	2210	22.0	2303	24.2	2388	26.6	2472	29.0	2552	31.5	2630	33.9	2255	28.0
3200	11011	1969	16.7	2065	19.0	2154	21.1	2233	23.4	2329	26.0	2412	28.2	2498	30.6	2574	33.2			2300	29.7
3400	11699	2010	18.0	2103	20.3	2187	22.6	2272	24.91	2357	27.3	2438	30.0	2522	32.4	2600	35.0			2345	31.5
3600	12387	2053	19.4	2142	21.7	2229	24.2	2308	26.6	2391	29.0	2471	31.6	2541	34.2	2626	36.8			2390	33.3
3800	13075	2093	20.9	2187	23.4	2270	25.8	2348	28.4	2429	30.9	2508	33.6	2582	36.2					2435	35.2
4000	13763	2137	22.5	2223	25.0	2310	27.5	2387	30.3	2469	32.8	2542	35.6	2619	38.3					2480	37.2
4200	14453	2181	24.3	2266	28.8	2351	29.3	2425	32.1	2508	34.8	2581	37.6							2525	39.2
4400	15141	2239	25.7	2312	28.6	2390	31.3	2471	34.0	2552	37.0									2570	41.3
4800	16517	2331	29.8	2413	32.6	2487	35.7	2552	38.5											2615	43.6
5200	17893	2435	34.1	2507	37.2	2583	40.4													2660	45.9

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE Damair Single Width Limit Load Type "LL" Fans SIZE**

**4 1/2** Wheel Diameter 27" Overall Wheel Width 12 1/2" Outlet Area 4.15 Sq. Ft. **4 1/2**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	3343	375	.200	425	.277	468	.359	509	.443	546	.534	584	.629	618	.728	682	.93	740	1.15	375	.210
900	3762	398	.241	444	.325	486	.413	524	.506	560	.600	596	.700	629	.804	692	1.02	750	1.25	415	.284
1000	4180	420	.289	465	.379	505	.473	542	.574	576	.675	610	.779	642	.886	704	1.12	760	1.36	455	.375
1100	4597	445	.347	486	.440	524	.544	561	.648	595	.757	626	.870	658	.982	715	1.22	772	1.48	495	.483
1200	5015	471	.412	510	.511	546	.619	580	.734	614	.845	644	.965	674	1.09	730	1.34	782	1.60	535	.610
1300	5433	499	.491	534	.591	569	.705	601	.825	632	.946	664	1.07	692	1.20	746	1.46	796	1.73	575	.756
1400	5851	526	.582	559	.685	591	.802	624	.928	655	1.06	682	1.19	710	1.32	764	1.60	813	1.89	615	.925
1500	6269	555	.680	585	.791	615	.914	645	1.04	675	1.18	703	1.32	730	1.46	784	1.74	830	2.04	655	1.12
1600	6687	584	.795	612	.913	640	1.04	669	1.17	696	1.31	725	1.45	750	1.60	801	1.90	850	2.22	695	1.34
1700	7105	614	.924	640	1.05	666	1.17	694	1.31	722	1.45	748	1.60	773	1.76	822	2.08	868	2.40	735	1.85
1800	7503	644	1.06	669	1.19	694	1.32	720	1.47	745	1.61	770	1.77	795	1.93	842	2.26	889	2.60	775	1.85
1900	7941	675	1.22	698	1.35	722	1.50	745	1.64	770	1.78	795	1.95	818	2.12	864	2.46	908	2.81	815	2.16
2000	8359	705	1.40	728	1.54	750	1.68	772	1.83	795	1.98	819	2.15	841	2.32	887	2.66	929	3.03	855	2.49
2200	9195	766	1.70	788	1.95	809	2.10	828	2.27	850	2.43	870	2.60	890	2.77	935	3.13	973	3.52	895	2.85
2400	10031	830	2.21	849	2.41	868	2.60	886	2.76	904	2.94	924	3.14	943	3.30	980	3.68	1020	4.09	935	3.25
2600	10867	892	2.77	909	3.00	929	3.19	945	3.38	963	3.55	980	3.75	996	3.95	1030	4.32	1069	4.74	975	3.68
2800	11703	955	3.43	972	3.61	968	3.86	1005	4.04	1021	4.25	1038	4.46	1052	4.66	1085	5.05	1118	5.49	1015	4.16
3000	12539	1019	4.16	1035	4.29	1050	4.62	1065	4.80	1080	5.05	1097	5.25	1110	5.45	1141	5.87	1170	6.34	1055	4.68
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	5851	904	2.48	993	3.14	1072	3.82	1148	4.51	1217	5.25	1283	6.00	1346	6.78	1410	7.61	1469	8.46	1095	5.22
1500	6269	920	1.67	1003	3.33	1082	4.04	1158	4.78	1227	5.46	1294	6.31	1354	7.12	1418	7.94	1474	8.80	1135	5.81
1600	6687	935	2.87	1016	3.55	1092	4.28	1169	5.03	1237	5.83	1303	6.62	1365	7.45	1426	8.31	1484	9.19	1175	6.45
1700	7105	954	3.08	1030	3.78	1105	4.55	1180	5.31	1249	6.11	1312	6.96	1370	7.79	1433	8.68	1489	9.60	1215	7.14
1800	7523	972	3.30	1049	4.04	1121	4.80	1191	5.60	1260	6.41	1322	7.30	1382	8.19	1441	9.07	1498	10.0	1255	7.86
1900	7941	990	3.53	1065	4.31	1137	5.09	1205	5.90	1270	6.76	1336	7.64	1392	8.55	1453	9.46	1509	10.43	1295	8.63
2000	8359	1009	3.79	1083	4.58	1151	5.40	1219	6.23	1281	7.09	1344	8.00	1408	8.95	1464	9.90	1520	10.87	1315	9.05
2200	9195	1049	4.35	1121	5.16	1189	6.05	1254	6.96	1315	7.85	1371	8.79	1431	9.75	1486	10.76	1542	11.79	1355	9.90
2400	10030	1094	4.95	1160	5.85	1229	6.76	1289	7.72	1347	8.72	1404	9.69	1460	10.70	1510	11.76	1562	12.79	1395	10.80
2600	10867	1137	5.65	104	6.61	1265	7.57	1329	8.56	1385	9.58	1439	10.59	1491	11.74	1546	12.78	1595	13.86	1435	11.77
2800	11702	1185	6.44	1248	7.44	1310	8.46	1366	9.50	1420	10.55	1476	11.60	1528	12.71	1579	13.96	1626	15.1	1475	12.78
3000	12538	1231	7.30	1292	8.35	1351	9.39	1408	10.53	1460	11.65	1515	12.75	1567	13.91	1615	15.1	1664	16.4	1515	13.82
3200	13373	1281	8.28	1340	9.38	1394	10.44	1451	11.61	1500	12.80	1552	14.01	1601	15.2	1651	16.4	1698	17.7	1555	14.96
3400	14210	1335	9.38	1390	10.48	1444	11.60	1496	12.79	1547	14.04	1595	15.3	1640	16.6	1689	17.9	1738	19.2	1595	16.2
3600	15045	1390	10.61	1439	11.77	1490	12.90	1539	14.13	1590	15.4	1638	16.7	1685	18.1	1729	19.4	1776	20.8	1635	17.4
3800	15880	1445	12.00	1490	13.12	1540	14.35	1589	15.6	1635	16.9	1681	18.2	1730	19.6	1774	21.1	1816	22.5	1675	18.7
4000	16717	1505	13.51	1547	14.65	1592	15.9	1636	17.2	1685	18.5	1728	19.9	1775	21.3	1816	22.8	1858	24.2	1715	20.1
4200	17553	1560	15.1	1601	16.3	1644	17.5	1688	18.9	1731	20.3	1776	21.6	1821	23.1	1854	24.6	1903	26.1	1755	21.5
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	8358	1624	12.87	1724	14.9	1819	17.1	1908	19.3	1995	21.6	2076	24.0	2155	26.49	2231	29.0	2310	31.5	1795	23.1
2200	9195	1643	13.92	1738	16.1	1832	18.3	1924	20.6	2010	23.0	2090	25.5	2171	28.03	2249	30.6	2318	33.2	1835	24.6
2400	10030	1665	14.99	1762	17.3	1855	19.6	1944	22.0	2022	24.5	2108	27.1	2187	39.66	2262	32.3	2336	35.0	1875	26.3
2600	10867	1686	16.1	1786	18.5	1878	21.0	1964	23.5	2048	26.2	2120	28.7	2203	31.42	2277	34.2	2349	37.0	1915	28.0
2800	11702	172	17.4	1809	19.8	1903	22.4	1986	25.1	2063	27.8	2147	30.5	2222	33.32	2298	36.1	2367	39.0	1955	29.8
3000	12538	1751	18.9	1840	21.3	1922	23.9	2009	26.7	2089	29.4	2166	32.3	2243	35.22	2317	38.2	2387	41.2	1995	31.7
3200	13373	1786	20.3	1873	22.9	1955	25.6	2031	28.4	2112	31.5	2189	34.2	2267	37.22	2337	40.3			2035	33.6
3400	14210	1824	21.9	1908	24.6	1985	27.5	2067	30.3	2138	33.2	2211	36.4	2289	39.30	2360	42.5			2075	35.7
3600	15045	1865	23.5	1944	26.4	2022	29.4	2097	32.3	2170	35.3	2242	38.4	2307	41.50	2383	44.7			2115	37.7
3800	15880	1900	25.3	1983	28.4	2060	31.3	2133	34.4	2203	37.5	2276	40.8	2343	43.92					2155	39.9
4000	16717	1938	27.3	2017	30.3	2097	33.4	2169	36.6	2240	39.9	2308	43.2	2377	46.50					2195	42.2
4200	17553	1980	29.4	2056	32.5	2133	35.6	2205	39.0	2275	42.3	2341	45.7							2235	44.4
4400	18388	2027	31.2	2097	34.8	2168	38.0	2247	41.4	2317	44.9									2275	46.9
4800	20061	2111	36.2	2190	39.6	2256	43.4	2320	46.8											2315	49.4
5200	21733	2209	41.4	2273	45.2	2342	49.1													2355	52.0

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE 5 Damair Single Width Limit Load Type "LL" Fans SIZE 5**

**5** Wheel Diameter 30" Overall Wheel Width 13<sup>7</sup>/<sub>8</sub>" Outlet Area 5.15 Sq. Ft. **5**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
800	4120	338	.247	382	.312	421	.442	457	.547	492	.658	525	.775	556	.90	615	1.15	666	1.42	300	.182	
900	4635	358	.297	400	.401	437	.510	471	.623	505	.739	536	.862	567	.99	622	1.26	675	1.54	340	.264	
1000	5150	378	.356	419	.467	454	.583	488	.706	520	.832	549	.960	578	1.09	633	1.38	684	1.68	380	.369	
1100	5665	401	.428	437	.544	472	.671	505	.798	535	.934	564	1.07	591	1.21	644	1.50	695	1.82	420	.499	
1200	6180	424	.509	459	.631	492	.763	525	.902	553	1.04	580	1.19	606	1.34	657	1.65	704	1.97	460	.655	
1300	6695	449	.606	480	.730	512	.869	542	1.02	569	1.17	597	1.32	623	1.48	672	1.81	717	2.14	500	.842	
1400	7210	474	.718	503	.846	533	.990	561	1.14	589	1.30	615	1.47	640	1.63	687	1.97	732	2.33	540	1.06	
1500	7725	501	.840	526	.976	555	1.13	581	1.29	609	1.45	633	1.62	657	1.80	705	2.15	748	2.52	580	1.31	
1600	8240	527	.981	551	1.13	576	1.27	603	1.44	628	1.61	652	1.79	676	1.98	721	2.35	765	2.73	620	1.61	
1700	8755	554	1.14	576	1.29	600	1.45	625	1.62	650	1.79	673	1.97	696	2.16	740	2.56	782	2.96	660	1.94	
1800	9270	580	1.31	602	1.47	625	1.63	648	1.81	671	1.99	694	2.18	715	2.38	759	2.79	800	3.20	700	2.31	
1900	9784	607	1.51	630	1.67	650	1.85	671	2.02	694	2.20	715	2.40	736	2.61	778	3.03	818	3.47	740	2.73	
2000	10300	635	1.72	656	1.90	675	2.09	695	2.25	716	2.44	736	2.65	758	2.86	799	3.29	836	3.74	780	3.20	
2200	11330	690	2.21	710	2.40	729	2.60	746	2.80	765	2.99	782	3.21	801	3.42	840	3.86	876	4.35	820	3.73	
2400	12360	747	2.73	765	2.97	781	3.20	798	3.42	814	3.64	831	3.86	849	4.07	884	4.54	919	5.05	860	4.20	
2600	13390	804	3.42	819	3.70	835	3.92	853	4.18	867	4.38	882	4.62	898	4.86	929	5.33	961	5.85	900	4.92	
2800	14420	860	4.23	875	4.45	890	4.75	905	4.97	921	5.25	934	5.50	948	5.74	978	6.22	1005	6.77	940	5.60	
3000	15450	917	5.15	932	5.29	945	5.68	960	5.92	974	6.21	988	6.49	1000	6.73	1029	7.25	1053	7.80	980	6.34	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
1400	7210	814	3.06	895	3.87	966	4.71	1034	5.57	1095	6.48	1154	7.41	1213	8.36	1269	9.41	1321	10.43	1020	7.15	
1500	7725	828	3.29	904	4.11	975	4.99	1043	5.89	1105	6.74	1164	7.79	1220	8.78	1275	9.81	1325	10.85	1060	8.02	
1600	8240	844	3.54	915	4.38	985	5.27	1052	6.21	1112	7.18	1172	8.18	1229	9.20	1284	10.26	1335	11.34	1100	8.96	
1700	8755	859	3.80	930	4.67	995	5.62	1061	6.56	1122	7.55	1181	8.59	1235	9.62	1290	10.71	1340	11.84	1140	9.98	
1800	9270	875	4.07	945	4.98	1010	5.91	1073	6.90	1133	7.91	1190	9.00	1246	10.10	1296	11.20	1349	12.33	1180	11.00	
1900	9784	892	4.35	960	5.32	1022	6.28	1085	7.28	1142	8.34	1202	9.42	1255	10.55	1309	11.69	1358	12.88	1220	12.25	
2000	10300	908	4.67	975	5.65	1038	6.67	1096	7.69	1155	8.75	1210	9.88	1266	11.04	1317	12.22	1368	13.41	1260	13.48	
2200	11330	945	5.36	1010	6.36	1070	7.45	1129	8.58	1185	9.68	1234	10.85	1290	12.05	1338	13.28	1388	14.50	1300	14.82	
2400	12360	985	6.10	1044	7.21	1107	8.34	1160	9.53	1211	10.76	1265	11.96	1315	13.20	1359	14.46	1405	15.8	1340	16.2	
2600	13390	1023	6.96	1084	8.15	1140	9.34	1196	10.56	1248	11.81	1296	13.14	1345	14.50	139	15.7	1435	17.1	1380	17.7	
2800	14420	1067	7.94	1123	9.16	1180	10.44	1230	11.74	1280	13.01	1329	14.13	1375	15.7	1420	17.2	1464	18.6	1420	19.3	
3000	15450	1108	9.00	1164	10.30	1219	11.58	1266	13.00	1315	14.37	1364	15.7	1410	17.2	1453	18.7	1497	20.2	1460	21.0	
3200	16479	1155	10.21	1206	11.57	1255	12.90	1306	14.3	1353	15.8	1398	17.3	1441	18.8	1486	20.3	1529	21.9	1500	22.8	
3400	17510	1201	11.57	1250	12.90	1300	14.30	1346	15.8	1393	17.3	1436	18.9	1480	20.5	1519	22.0	1563	23.7	1540	24.6	
3600	18540	1250	13.10	1295	14.50	1342	15.9	1386	17.4	1430	19.0	1474	20.6	1519	22.3	1555	24.0	1598	25.6	1580	26.0	
3800	19570	1300	14.8	1342	16.2	1386	17.7	1429	19.2	1474	20.9	1514	22.5	1559	24.2	1596	26.0	1634	27.8	1620	28.7	
4000	20600	1350	16.6	1392	18.0	1435	19.6	1474	11.2	1516	22.8	1555	24.5	1598	26.3	1634	28.1	1671	29.9	1660	30.9	
4200	21630	1404	18.7	1441	20.1	1479	21.6	1519	23.4	1558	25.1	1600	26.7	1640	28.5	1668	30.4	1713	32.2	1700	33.2	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
2000	10300	1461	15.9	1551	18.4	1636	21.2	1718	23.9	1795	26.7	1867	29.7	1940	32.7	2008	35.8	2078	38.9	1740	35.6	
2200	11330	1478	17.2	1564	19.9	1650	22.7	1721	25.5	1809	28.4	1880	31.5	1954	34.6	2022	37.8	2086	41.0	1780	38.0	
2400	12360	1499	18.5	1586	21.4	1670	24.2	1750	27.2	1821	30.3	1895	33.4	1968	36.6	2037	39.9	2102	43.3	1820	40.7	
2600	13390	1518	19.9	1608	22.9	1690	25.9	1769	29.0	1841	32.3	1908	35.5	1982	38.8	2050	42.2	2113	45.6	1860	43.3	
2800	14420	1550	21.5	1629	24.5	1710	27.7	1788	31.0	1858	34.4	1931	37.6	2000	41.1	2068	44.6	2130	48.4	1900	46.2	
3000	15450	1576	23.3	1655	26.4	1730	29.5	1808	32.9	1880	36.3	1950	39.9	2019	43.5	2084	47.2	2148	50.8	1940	49.1	
3200	16479	1608	25.1	1685	28.3	1760	31.6	1830	35.1	1902	38.6	1969	42.2	2040	45.9	2102	49.8			1980	52.3	
3400	17510	1641	27.0	1718	30.4	1786	33.9	1860	37.4	1924	41.0	1990	44.9	2060	48.5	2124	52.4			2020	55.6	
3600	18540	1678	29.1	1749	32.6	1819	36.2	1889	39.9	1954	43.6	2019	47.4	2076	51.2	2144	55.2			2060	58.9	
3800	19570	1710	31.3	1784	35.1	1854	38.7	1920	42.5	1984	46.3	2048	50.3	2109	54.2					2100	62.3	
4000	20600	1745	33.7	1815	37.4	1886	41.3	1950	45.2	2016	49.2	2076	53.4	2138	57.4					2140	66.0	
4200	21630	1782	36.3	1849	40.2	1920	44.0	1985	48.1	2048	52.0	2108	56.9							2180	69.8	
4400	22660	1824	38.6	1889	43.0	1951	46.9	2021	51.0	2083	55.4											
4800	24720	1900	44.6	1971	48.9	2030	53.5	2088	57.8													
5200	26780	1986	51.2	2046	55.8	2108	60.6															

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered



**SIZE Damair Single Width Limit Load Type "LL" Fans SIZE**  
**5 1/2** Wheel Diameter 33" Overall Wheel Width 15 1/4" Outlet Area 6.24 Sq. Ft. **5 1/2**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	4995	307	.299	348	.414	383	.536	416	.662	447	.798	478	.940	506	1.09	559	1.39	605	1.72	300	.293
900	5619	326	.360	363	.486	398	.616	429	.755	459	.897	487	1.04	515	1.20	565	1.53	614	1.87	335	.407
1000	6244	344	.432	380	.566	413	.707	444	.856	471	1.01	499	1.16	525	1.33	575	1.67	621	2.03	370	.549
1100	6868	364	.518	398	.659	429	.813	460	.968	486	1.13	512	1.30	537	1.47	585	1.82	631	2.20	405	.720
1200	7492	385	.615	417	.764	448	.926	475	1.10	503	1.26	526	1.44	551	1.63	598	1.99	640	2.39	440	.922
1300	8117	408	.734	437	.885	465	1.05	493	1.23	517	1.41	543	1.60	566	1.79	611	2.19	652	2.59	475	1.16
1400	8741	431	.870	457	1.03	485	1.20	510	1.39	535	1.58	559	1.78	581	1.97	625	2.39	665	2.82	510	1.44
1500	9365	454	1.02	470	1.18	505	1.37	528	1.56	553	1.76	575	1.97	597	2.18	641	2.60	680	3.06	545	1.76
1600	9990	479	1.19	501	1.36	525	1.55	548	1.75	570	1.95	594	2.17	614	2.40	655	2.84	695	3.31	580	2.12
1700	10614	504	1.38	525	1.56	545	1.75	568	1.96	591	2.16	612	2.39	632	2.62	673	3.10	711	3.58	615	2.53
1800	11239	526	1.59	547	1.78	568	1.98	589	2.20	610	2.41	630	2.64	651	2.88	690	3.38	726	3.88	650	2.98
1900	11863	552	1.83	573	2.03	591	2.24	610	2.45	630	2.66	650	2.91	670	3.16	707	3.67	743	4.20	685	3.49
2000	12487	577	2.08	597	2.30	613	2.50	632	2.73	651	2.96	670	3.21	680	3.17	725	3.98	760	4.53	720	4.06
2200	13736	628	2.66	645	2.91	663	3.14	678	3.39	695	3.63	711	3.89	729	4.14	765	4.68	796	5.27	755	4.67
2400	14985	678	3.30	695	3.59	710	3.89	726	4.14	740	4.40	755	4.67	771	4.94	803	5.50	835	6.12	790	5.36
2600	16234	730	4.13	745	4.49	760	4.76	775	5.03	789	5.31	802	5.60	816	5.89	844	6.46	874	7.10	825	6.10
2800	17483	781	5.13	795	5.39	809	5.77	821	6.04	837	6.35	849	6.61	862	6.95	888	7.54	914	8.21	860	6.90
3000	19731	834	6.23	846	6.41	861	6.90	871	7.18	885	7.55	899	7.81	910	8.15	935	8.78	956	9.46	895	7.78
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	8741	740	3.71	813	4.69	879	5.70	939	6.74	995	7.85	1050	8.97	1100	10.12	1155	11.36	1202	12.63	930	8.72
1500	9365	753	3.98	820	4.98	886	6.04	947	7.14	1003	8.16	1058	9.42	1105	10.62	1160	11.87	1206	13.15	965	9.76
1600	9990	766	4.29	831	5.30	895	6.39	956	7.52	1011	8.70	1065	9.90	1112	11.13	1167	12.40	1212	13.73	1000	10.85
1700	10614	780	4.60	845	5.65	905	6.80	965	7.93	1021	9.14	1072	10.40	1120	11.65	1173	12.96	1219	14.33	1035	12.02
1800	11239	795	4.93	859	6.04	918	7.16	974	8.35	1030	9.59	1081	10.89	1130	12.22	1180	13.55	1226	14.92	1070	13.29
1900	11863	810	5.23	871	6.44	930	7.60	986	8.81	1040	10.10	1091	11.41	1140	12.80	1190	14.15	1235	15.6	1105	14.63
2000	12487	825	5.66	886	6.85	942	8.08	998	9.30	1049	10.60	1100	11.94	1150	13.38	1199	14.80	1243	16.3	1140	16.1
2200	13736	860	6.50	918	7.71	972	9.05	1024	10.39	1076	11.72	1122	13.14	1171	14.60	1216	16.1	1262	17.6	1175	17.6
2400	14985	895	7.40	949	8.75	1006	10.10	1052	11.53	1101	13.02	1150	14.48	1194	16.0	1236	17.5	1280	19.1	1210	19.2
2600	16234	930	8.45	985	9.89	1037	11.30	1086	12.77	1131	14.32	1178	15.9	1220	17.6	1266	19.1	1304	20.7	1245	21.0
2800	17483	970	9.63	1021	11.10	1070	12.65	1118	14.19	1160	15.8	1210	17.4	1249	19.0	1292	20.9	1331	22.6	1280	22.8
3000	18731	1009	10.00	1059	12.50	1108	14.01	1150	15.7	1195	17.4	1240	19.1	1280	20.8	1321	22.7	1362	24.5	1315	24.7
3200	19980	1050	12.40	1095	14.01	1140	15.6	1188	17.4	1229	19.1	1271	20.9	1310	22.8	1352	24.6	1390	26.5	1350	26.7
3400	21229	1091	14.00	1138	15.6	1180	17.3	1224	19.1	1264	21.0	1306	22.9	1342	24.8	1382	26.7	1422	28.6	1385	28.8
3600	22478	1138	15.9	1178	17.6	1220	19.3	1260	21.1	1300	23.0	1340	24.9	1380	27.0	1417	29.0	1452	31.0	1420	31.1
3800	23727	1182	17.9	1220	19.6	1260	21.4	1300	23.3	1339	25.3	1376	27.3	1416	29.3	1452	31.5	1486	33.6	1455	33.4
4000	24975	1228	20.2	1265	21.8	1304	23.7	1340	25.7	1378	27.7	1414	29.7	1452	31.8	1486	34.0	1520	36.3	1490	35.9
4200	26200	1278	22.6	1310	24.4	1347	26.2	1380	28.3	1416	30.3	1455	32.3	1490	34.5	1516	36.8	1557	39.0	1525	38.5
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	12490	1329	19.2	1412	22.4	1490	25.6	1561	28.9	1631	32.4	1696	35.9	1763	39.6	1826	43.4	1888	47.2	1560	41.2
2200	13730	1344	20.8	1423	24.1	1500	27.4	1575	30.9	1643	34.4	1710	38.2	1776	41.9	1840	45.8	1896	49.7	1595	44.0
2400	14990	1363	22.4	1442	25.9	1517	29.3	1590	32.9	1656	36.7	1722	40.5	1790	43.4	1850	48.3	1910	52.3	1630	47.0
2600	16240	1380	24.1	1462	27.7	1537	31.4	1608	35.2	1675	39.1	1736	42.9	1802	46.9	1864	51.1	1922	55.2	1665	50.2
2800	17482	1409	26.0	1480	29.7	1556	33.5	1626	37.5	1680	41.6	1756	45.6	1820	49.8	1880	54.0	1936	58.3	1700	53.2
3000	18730	1433	28.2	1506	31.9	1573	35.7	1640	39.8	1711	44.0	1772	48.3	1836	52.7	1893	57.2	1953	61.5	1735	56.6
3200	19980	1461	30.4	1532	34.3	1600	38.3	1662	42.4	1730	46.7	1790	51.1	1854	55.7	1911	60.3			1770	60.2
3400	21228	1492	32.7	1560	36.8	1625	41.1	1690	45.3	1750	49.6	1810	54.4	1870	58.8	1931	63.5			1805	63.9
3600	22478	1526	35.2	1590	39.4	1653	43.9	1718	48.3	1776	52.7	1836	57.3	1886	62.0	1950	66.8			1840	67.5
3800	23726	1555	37.9	1620	42.3	1685	46.8	1742	51.5	1803	56.1	1860	60.8	1919	65.6					1875	71.5
4000	24974	1586	40.8	1650	45.3	1715	50.0	1772	54.8	1834	59.6	1886	64.6	1944	69.5					1910	75.5
4200	26225	1620	43.9	1682	48.6	1745	53.2	1804	58.3	1860	63.2	1915	68.3							1945	79.8
4400	27472	1657	46.7	1720	52.0	1773	56.8	1836	61.8	1893	67.1									1980	84.2
4800	29970	1729	54.0	1790	59.2	1846	64.8	1898	70.0												
5200	32468	1806	61.9	1860	67.5	1918	73.3														

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepower are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE Damair Single Width Limit Load Type "LL" Fans SIZE**

**6** Wheel Diameter 36½" Overall Wheel Width 16¾" Outlet Area 7.64 Sq. Ft. **6**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		⅞" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	6110	278	.366	314	.506	346	.655	376	.809	405	.975	432	1.15	458	1.33	505	1.70	547	2.10	270	.374
900	6874	294	.440	328	.594	360	.754	388	.923	415	1.09	440	1.28	466	1.47	512	1.87	555	2.28	300	.485
1000	7638	311	.528	345	.692	373	.865	401	1.05	426	1.23	451	1.42	475	1.62	520	2.04	561	2.48	330	.644
1100	8401	329	.634	360	.805	388	.995	415	1.18	440	1.38	461	1.59	486	1.79	529	2.23	570	2.70	360	.836
1200	9165	348	.754	377	.935	405	1.13	430	1.34	455	1.51	476	1.76	499	1.99	540	2.44	579	2.92	390	1.07
1300	9929	369	.897	395	1.08	421	1.29	445	1.51	468	1.73	491	1.96	511	2.19	555	2.68	590	3.17	420	1.33
1400	10693	390	1.06	413	1.25	438	1.47	461	1.69	485	1.93	505	2.17	526	2.41	565	2.92	602	3.45	450	1.64
1500	11457	411	1.24	432	1.45	456	1.67	478	1.91	506	2.15	520	2.41	510	2.66	580	3.18	614	3.74	380	1.99
1600	12220	432	1.45	453	1.67	475	1.89	495	2.14	516	2.39	536	2.66	555	2.93	593	3.48	629	4.05	510	2.38
1700	12983	455	1.69	475	1.91	494	2.14	514	2.39	535	2.64	553	2.92	572	3.21	609	3.79	643	4.38	540	2.83
1800	13748	476	1.94	495	2.19	514	2.42	532	2.68	551	2.94	570	3.23	589	3.52	624	4.13	657	4.75	570	3.33
1900	14511	500	2.23	517	2.48	535	2.74	551	2.99	570	3.26	588	3.56	605	3.86	640	4.49	672	5.14	600	3.88
2000	15275	521	2.56	540	2.82	555	3.09	571	3.33	589	3.62	605	3.92	622	4.24	656	4.87	687	5.55	630	4.49
2200	16802	567	3.26	583	3.56	599	3.84	614	4.15	629	4.43	643	4.75	659	5.06	691	5.72	720	6.45	660	5.17
2400	18330	614	4.04	628	4.40	642	4.76	656	5.07	669	5.40	683	5.73	697	6.05	726	6.72	755	7.49	690	5.90
2600	19859	660	5.06	673	5.49	687	5.82	701	6.19	713	6.49	725	6.85	738	7.21	764	7.90	790	8.67	720	6.71
2800	21385	707	6.27	719	6.60	732	7.05	744	7.37	757	7.78	767	8.16	780	8.51	804	9.22	826	10.05	750	7.58
3000	22912	754	7.62	766	7.84	776	8.45	789	8.77	800	9.22	813	9.63	822	9.96	845	10.73	865	11.59	780	8.52
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	10693	670	4.53	735	5.74	794	6.97	850	8.25	900	9.59	947	10.98	996	12.40	1044	13.93	1087	15.5	810	9.54
1500	11457	681	4.88	743	6.09	801	7.39	856	8.73	908	9.99	957	11.53	1002	13.00	1050	14.53	1090	16.1	840	10.65
1600	12220	693	5.24	752	6.49	810	7.81	864	9.20	915	10.63	963	12.44	1010	13.61	1056	15.2	1099	16.8	870	11.85
1700	12983	706	5.63	764	6.91	816	8.30	873	9.72	924	11.17	970	12.72	1015	14.25	1061	15.9	1103	17.5	900	13.10
1800	13748	719	6.05	776	7.39	830	8.76	881	10.23	932	11.71	978	13.34	1023	14.95	1066	16.6	1110	18.3	930	14.46
1900	14511	733	6.46	788	7.89	840	9.30	891	10.79	940	12.37	988	13.96	1030	15.6	1076	17.3	1116	19.1	960	15.9
2000	15275	746	6.93	802	8.36	851	9.88	902	11.36	948	12.95	996	14.62	1040	16.3	1084	18.1	1125	19.9	990	17.4
2200	16802	776	7.95	830	9.45	880	11.06	928	12.72	973	14.35	1015	16.1	1060	17.8	1100	19.7	1141	21.6	1020	19.0
2400	18330	810	9.05	858	10.70	910	12.36	952	14.11	996	15.9	1040	17.7	1080	19.5	1118	21.4	1156	23.4	1050	20.8
2600	19859	840	10.32	891	12.09	936	13.83	982	15.7	1023	17.5	1065	19.5	1105	21.4	1145	23.4	1180	25.4	1080	22.6
2800	21385	875	11.78	924	13.60	969	15.5	1010	17.4	1051	19.3	1093	21.3	1130	23.2	1169	25.5	1204	27.6	1110	24.6
3000	22912	910	13.35	956	15.3	1000	17.2	1040	19.2	1080	21.3	1122	23.4	1159	25.5	1195	27.7	1232	29.9	1140	26.6
3200	24440	949	15.2	991	17.1	1030	19.1	1072	21.2	1111	23.4	1150	25.6	1185	27.8	1222	30.1	1257	32.4	1170	28.7
3400	25968	990	17.1	1030	19.1	1070	21.2	1106	23.4	1145	25.6	1180	28.1	1216	30.3	1250	32.7	1286	35.1	1200	31.0
3600	27496	1030	19.4	1062	21.5	1102	23.6	1140	25.8	1178	28.2	1212	30.6	1246	33.0	1280	35.5	1313	38.0	1230	33.4
3800	29024	1070	21.8	1102	24.0	1140	26.2	1176	28.5	1210	30.9	1245	33.4	1280	35.8	1313	38.5	1343	41.1	1260	35.9
4000	30552	1111	24.6	1145	26.7	1180	29.0	1210	31.4	1249	33.8	1278	36.4	1315	39.0	1343	41.6	1375	44.3	1290	38.6
4200	32100	1153	27.7	1184	29.8	1216	32.1	1248	34.6	1280	37.1	1315	39.5	1347	42.3	1371	45.0	1409	47.7	1320	41.3
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	15275	1200	23.5	1275	27.3	1346	31.3	1412	35.3	1476	39.6	1535	43.9	1594	48.5	1651	53.0	1709	57.7	1350	44.2
2200	16802	1216	25.4	1288	29.4	1357	33.5	1423	37.7	1487	42.0	1546	46.6	1606	51.2	1662	55.9	1714	60.8	1380	47.2
2400	18330	1230	27.4	1304	31.6	1373	35.8	1439	40.3	1498	44.8	1560	49.5	1619	54.2	1672	59.0	1729	64.0	1410	50.3
2600	19859	1248	29.5	1322	33.8	1388	38.3	1454	42.9	1515	47.8	1570	52.5	1630	57.4	1683	62.4	1739	67.5	1440	53.6
2800	21385	1276	31.8	1340	36.3	1406	41.0	1470	45.9	1529	50.9	1578	55.7	1645	60.9	1700	66.0	1750	71.2	1470	57.0
3000	22912	1296	34.4	1362	39.0	1422	43.6	1488	48.7	1547	53.8	1602	59.0	1660	64.4	1714	69.9	1765	75.2	1500	60.6
3200	24440	1320	37.1	1386	41.9	1446	46.7	1504	51.9	1564	57.1	1620	62.5	1678	68.0	1730	73.7			1530	64.3
3400	25968	1348	40.0	1412	45.0	1468	50.2	1528	55.3	1582	60.7	1636	66.5	1693	71.8	1746	77.6			1560	68.1
3600	27496	1380	43.0	1438	48.1	1496	53.6	1552	59.1	1605	64.5	1660	70.1	1708	75.8	1762	81.7			1590	72.2
3800	29024	1406	46.2	1466	51.6	1525	57.2	1576	62.9	1630	68.5	1680	74.5	1734	80.4					1620	76.2
4000	30552	1434	49.9	1492	55.4	1552	61.1	1604	67.0	1659	72.8	1706	79.0	1760	85.0					1650	80.6
4200	32080	1465	53.7	1520	59.4	1580	65.0	1631	71.2	1682	77.3	1731	83.5							1680	85.0
4400	33608	1500	57.1	1552	63.5	1602	69.5	1660	75.5	1712	82.0									1710	89.8
4800	36664	1562	66.1	1620	72.3	1670	79.3	1716	85.5											1740	94.6
5200	39720	1632	75.7	1680	82.5	1732	89.7													1770	99.6

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepower are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE Damair Single Width Limit Load Type "LL" Fans SIZE**

**6 1/2** Wheel Diameter 40 1/4" Overall Wheel Width 18 7/16" Outlet Area 9.29 Sq. Ft. **6 1/2**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
800	7430	252	.445	285	.615	314	.797	342	.985	367	1.19	392	1.40	415	1.62	458	2.07	496	2.55	250	.457	
900	8359	267	.535	298	.723	326	.918	352	1.12	376	1.33	400	1.55	422	1.78	464	2.27	503	2.77	280	.644	
1000	9288	282	.642	312	.842	338	1.05	364	1.27	387	1.50	409	1.73	430	1.97	472	2.48	510	3.02	310	.871	
1100	10217	298	.770	326	.98	352	1.21	377	1.44	399	1.68	420	1.93	441	2.18	480	2.71	517	3.28	340	1.15	
1200	11145	316	.846	342	1.14	367	1.38	390	1.63	412	1.88	432	2.14	454	2.42	490	2.97	525	3.55	370	1.48	
1300	12074	335	1.09	358	1.32	382	1.57	404	1.83	425	2.10	445	2.38	464	2.66	501	3.26	535	3.85	400	1.88	
1400	13003	354	1.29	375	1.53	397	1.78	41	2.06	439	2.34	458	2.64	477	2.94	512	3.56	545	4.19	430	2.32	
1500	13992	373	1.51	392	1.76	413	2.03	433	2.32	454	2.61	472	2.93	490	3.24	526	3.87	558	4.54	460	2.85	
1600	14861	393	1.77	410	2.03	430	2.31	449	2.60	468	2.91	486	3.24	504	3.56	538	4.23	570	4.92	490	3.44	
1700	15790	412	2.04	430	2.32	448	2.61	466	2.91	485	3.22	502	3.56	519	3.90	552	4.61	583	5.33	520	4.11	
1800	16719	432	2.36	450	2.66	466	2.94	483	3.26	500	3.58	517	3.92	534	4.29	565	5.02	596	5.76	550	4.86	
1900	17647	453	2.71	469	3.02	485	3.34	500	3.64	517	3.96	535	4.33	549	4.70	580	5.45	610	6.25	580	5.72	
2000	18576	473	3.10	489	3.42	504	3.76	519	4.05	535	4.41	549	4.77	565	5.15	595	5.93	624	6.73	610	6.65	
2200	20434	515	3.97	529	4.32	543	4.67	556	5.05	570	5.39	583	5.78	598	6.16	627	6.96	654	7.84	640	7.68	
2400	22291	557	4.94	570	5.35	582	5.79	595	6.15	606	6.56	620	6.95	633	7.34	659	8.19	685	9.10	670	8.81	
2600	24149	599	6.15	640	6.65	624	7.08	635	7.50	646	7.89	658	8.33	669	8.76	692	9.6	716	10.53	700	10.09	
2800	26006	641	7.62	654	8.02	664	8.58	674	8.96	686	9.46	696	9.94	707	10.35	729	11.21	749	12.2	730	11.41	
3000	27864	684	9.26	695	9.54	705	10.28	715	10.68	725	11.21	736	11.71	746	12.14	766	13.08	785	14.1	760	12.87	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
1400	13003	606	5.51	665	6.96	720	8.48	770	10.03	816	11.60	860	13.36	904	15.1	946	16.9	984	18.8	790	14.46	
1500	13932	616	5.93	673	7.40	726	8.98	776	10.62	824	12.12	868	14.02	909	15.8	952	17.7	987	19.6	820	16.1	
1600	14861	628	6.37	681	7.88	734	9.50	784	11.18	830	12.92	873	14.75	916	16.6	957	18.5	995	20.4	850	18.0	
1700	15790	640	6.84	692	8.40	741	10.05	792	11.81	838	13.58	880	15.5	920	17.3	961	19.3	998	21.3	880	19.9	
1800	16719	651	7.35	704	8.98	752	10.65	800	12.40	845	14.24	887	16.2	928	18.2	967	20.2	1005	2.2	910	22.1	
1900	17647	664	7.85	714	9.56	763	11.30	808	13.10	852	15.0	896	17.0	935	19.0	975	21.1	1011	23.2	940	24.3	
2000	18576	676	8.41	726	10.15	772	12.00	818	13.85	860	15.7	902	17.8	944	19.9	982	22.0	1019	24.2	970	26.7	
2200	20434	704	9.66	753	11.49	798	13.42	840	15.5	882	17.4	919	19.6	960	21.7	996	23.9	1033	26.2	1000	29.3	
2400	22291	735	11.0	779	13.00	825	15.00	864	17.2	904	19.4	942	21.6	980	23.7	1015	26.1	1047	28.4	1030	31.9	
2600	24149	763	12.54	808	14.69	850	16.8	890	19.0	929	21.3	965	23.7	1001	26.1	1036	28.4	1069	30.8	1060	34.9	
2800	26006	795	14.30	837	16.5	878	18.8	916	21.1	952	23.4	990	25.9	1025	28.2	1058	31.0	1090	33.7	1090	38.0	
3000	27864	826	16.2	868	18.5	906	20.8	944	23.4	979	25.9	1015	28.4	1050	31.0	1082	33.7	1115	36.4	1120	41.1	
3200	29721	860	18.4	898	20.8	935	23.2	972	25.9	1009	28.4	1042	31.2	1075	33.8	1109	36.6	1139	39.4	1150	44.5	
3400	31579	895	20.8	931	23.2	969	25.8	1004	28.5	1039	31.2	1070	34.2	1102	36.8	1133	39.7	1165	42.6	1180	48.0	
3600	33437	933	23.6	965	26.1	1000	28.6	1034	31.4	1038	34.2	1097	37.2	1131	40.1	1160	43.2	1191	46.1	1210	51.9	
3800	35294	970	26.6	1000	29.1	1033	31.8	1065	34.7	1099	37.6	1129	40.6	1160	43.5	1190	46.8	1217	50.0	1240	56.0	
4000	37152	1008	30.0	1039	32.5	1070	35.2	1098	38.2	1130	41.1	1158	44.2	1191	47.4	1220	50.5	1246	53.8	1270	60.0	
4200	39050	1046	33.6	1074	36.3	1103	39.0	1132	42.1	1161	45.1	1192	48.1	1220	51.4	1242	54.7	1276	58.0	1300	64.3	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
2000	18575	1090	28.6	1156	33.2	1220	38.1	1280	43.0	1337	48.1	1390	53.5	1445	58.9	1497	64.5	1549	70.1	1330	69.0	
2200	20430	1102	31.0	1166	35.8	1230	40.8	1290	45.9	1346	51.2	1402	56.8	1456	62.3	1507	68.0	1555	74.0	1360	73.6	
2400	22300	1116	33.4	1182	38.5	1244	43.6	1305	49.0	1358	54.5	1413	60.3	1466	66.0	1516	71.8	1566	77.9	1390	78.8	
2600	24150	1130	35.9	1199	41.4	1260	46.6	1318	52.3	1372	58.1	1422	63.9	1477	69.8	1527	76.0	1576	82.2	1420	83.8	
2800	26050	1155	38.7	1212	44.1	1275	49.9	1330	55.7	1385	61.9	1440	67.8	1490	74.0	1540	80.3	1587	86.7	1450	89.2	
3000	27850	1175	41.9	1232	47.4	1290	53.1	1346	59.2	1402	65.4	1452	71.9	1506	78.3	1553	85.0	1601	91.5	1480	94.9	
3200	29700	1198	45.2	1256	51.1	1310	56.9	1361	63.0	1417	69.5	1468	76.0	1520	82.7	1568	89.6			1510	100.7	
3400	31550	1223	48.6	1280	54.7	1331	61.1	1384	67.2	1435	73.8	1482	80.8	1534	87.4	1583	94.5			1540	107.0	
3600	33400	1250	52.4	1302	58.8	1356	65.2	1408	71.8	1456	78.5	1504	85.2	1547	92.2	1598	99.4			1570	113.2	
3800	35300	1274	56.3	1328	62.8	1381	69.6	1428	76.5	1480	83.5	1526	90.5	1572	97.6					1600	120.0	
4000	37130	1300	60.7	1352	67.3	1406	74.3	1454	81.4	1502	88.6	1546	96.0	1593	103.3					1630	126.6	
4200	39000	1327	65.3	1379	72.3	1430	79.1	1480	86.6	1526	94.0	1570	101.5									
4400	40800	1359	69.5	1408	77.3	1453	84.5	1506	91.9	1552	99.8											
4800	44550	1417	80.4	1470	88.0	1512	96.4	1556	104.0													
5200	48300	1480	92.1	1526	100.3	1572	109.0															

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered



**SIZE 7 Damair Single Width Limit Load Type "LL" Fans SIZE 7**

7 Wheel Diameter 44½" Overall Wheel Width 20¼" Outlet Area 11.35 Sq. Ft. 7

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		⅞" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	9082	228	.544	258	.751	284	.975	308	1.21	332	1.45	354	1.71	375	1.98	415	2.53	449	3.12	225	.552
900	10217	242	.654	269	.883	295	1.12	318	1.37	341	1.63	361	1.90	382	2.18	420	2.78	455	3.39	250	.755
1000	11352	255	.785	282	1.03	306	1.28	329	1.55	350	1.84	370	2.12	390	2.41	427	3.04	461	3.70	275	1.01
1100	12487	270	.941	295	1.196	318	1.48	341	1.76	361	2.06	380	2.36	399	2.67	434	3.32	468	4.01	300	1.31
1200	13622	286	1.12	309	1.39	332	1.68	353	1.99	373	2.29	390	2.62	409	2.96	444	3.63	475	4.35	325	1.66
1300	14757	302	1.33	324	1.61	345	1.91	366	2.24	384	2.57	402	2.91	419	3.26	454	3.98	484	4.71	350	2.08
1400	15892	319	1.58	339	1.86	359	2.18	378	2.52	397	2.87	415	3.22	432	3.58	464	4.35	494	5.12	375	2.55
1500	17027	337	1.85	355	2.15	374	2.48	392	2.83	410	3.19	427	3.58	443	3.96	475	4.73	504	5.55	400	3.10
1600	18162	355	2.15	371	2.48	389	2.82	406	3.18	423	3.56	440	3.95	456	4.35	486	5.17	515	6.01	425	3.72
1700	19297	373	2.50	389	2.84	405	3.18	421	3.56	439	3.93	454	4.35	469	4.77	499	5.64	527	6.51	450	4.40
1800	20432	391	2.89	406	3.24	421	3.59	437	3.99	452	4.38	468	4.80	482	5.24	511	6.14	539	7.05	475	5.19
1900	21567	410	3.32	424	3.68	438	4.08	453	4.45	467	4.84	482	5.29	496	5.75	524	6.67	551	7.64	500	6.05
2000	22702	428	3.79	443	4.19	456	4.60	469	4.95	483	5.38	496	5.83	511	6.30	538	7.25	564	8.23	525	7.00
2200	24972	465	4.85	478	5.28	491	5.71	503	6.17	516	6.58	527	7.06	540	7.53	566	8.51	591	9.58	550	8.04
2400	27242	504	6.00	515	6.54	526	7.05	538	7.54	549	8.02	560	8.50	572	8.97	595	10.0	619	11.11	575	9.20
2600	29512	541	7.53	552	8.15	564	8.65	575	9.17	584	9.65	595	10.19	605	10.71	625	11.75	649	12.87	600	10.45
2800	31782	580	9.32	590	9.8	600	10.49	610	10.95	620	11.5	629	12.12	639	12.65	659	13.7	678	14.9	625	11.82
3000	34052	618	11.32	629	11.65	637	12.57	647	13.04	656	13.7	667	14.30	674	14.81	693	15.95	710	17.2	650	13.30
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	15893	549	6.71	602	8.52	651	10.35	696	12.25	738	14.25	778	16.3	817	18.4	856	20.7	892	23.0	675	14.9
1500	17029	558	7.25	609	9.05	657	10.98	703	12.95	745	14.83	785	17.1	823	19.3	861	21.6	895	23.9	700	16.6
1600	18162	568	7.80	617	9.65	664	11.62	708	13.68	750	15.8	790	18.0	829	20.2	866	22.6	901	24.9	725	18.4
1700	19299	579	8.36	626	10.27	670	12.29	716	14.44	758	16.6	796	18.9	833	21.2	869	23.6	904	26.0	750	20.4
1800	20435	590	8.99	637	10.98	680	13.02	722	15.2	765	17.41	802	19.8	839	22.2	874	24.6	910	27.1	775	22.6
1900	21570	601	9.60	646	11.70	690	13.81	731	16.0	770	18.35	810	20.7	845	23.2	882	25.7	916	28.3	800	24.8
2000	22705	612	10.3	657	12.44	699	14.69	740	16.96	778	19.25	816	21.7	854	24.3	888	26.9	923	29.5	825	27.2
2200	24975	636	11.8	681	14.05	721	16.42	760	18.9	798	21.3	832	23.9	869	26.5	902	29.2	936	32.0	850	29.8
2400	27246	665	13.43	705	15.9	745	18.40	780	20.95	816	23.7	853	26.3	885	29.0	916	31.8	949	34.7	875	32.4
2600	29516	690	15.35	731	17.95	769	20.6	804	23.3	840	26.0	874	28.9	906	31.9	938	34.7	968	37.6	900	35.3
2800	31787	719	17.5	756	20.2	795	23.0	830	25.8	863	28.6	897	31.6	926	34.5	958	37.9	988	40.9	925	38.2
3000	34057	747	19.8	785	22.7	821	25.5	854	28.6	886	31.6	919	34.6	950	37.9	979	41.1	1008	44.4	950	41.5
3200	36328	778	22.5	814	25.5	846	28.4	880	31.6	911	34.8	943	38.0	973	41.3	1003	44.6	1030	48.1	975	44.9
3400	38398	810	25.5	843	28.4	875	31.5	908	34.8	940	38.2	968	41.6	999	45.0	1026	48.5	1054	52.1	1000	48.4
3600	40869	844	28.8	874	31.9	905	35.0	936	38.4	965	41.9	994	45.4	1023	49.0	1050	52.8	1078	56.4	1025	52.1
3800	43140	878	32.6	905	35.6	935	39.0	964	42.3	994	46.0	1021	49.5	1050	53.3	1076	57.	1102	61.4	1050	56.0
4000	45410	911	36.7	939	39.7	967	43.0	992	46.6	1022	50.4	1048	54.0	1079	57.9	1102	61.8	1128	65.8	1075	60.2
4200	47700	947	41.1	972	44.3	998	47.7	1025	51.4	1051	55.1	1079	58.7	1106	62.8	1124	66.8	1156	70.9	1100	64.4
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	22705	985	34.9	1046	40.6	1104	46.5	1159	52.4	1210	58.8	1259	65.3	1306	71.9	1354	78.7	1400	85.5	1125	69.0
2200	24975	997	37.8	1055	43.7	1112	49.8	1167	56.0	1219	62.5	1268	69.3	1317	76.1	1363	83.0	1406	90.2	1150	73.7
2400	27246	1010	40.8	1070	47.0	1126	53.2	1180	59.8	1228	66.5	1278	73.5	1327	80.5	1372	87.7	1417	95.0	1175	78.6
2600	29516	1023	43.8	1084	50.2	1140	57.0	1192	63.8	1241	71.0	1286	78.0	1336	85.3	1382	92.6	1426	100.3	1200	83.8
2800	31787	1046	47.2	1098	53.9	1153	60.9	1204	68.1	1252	75.5	1302	82.8	1348	90.4	1392	98.1	1435	105.9	1225	89.0
3000	34057	1062	51.2	1116	58.0	1166	64.8	1219	72.4	1267	79.8	1314	87.8	1361	95.6	1406	103.6	1447	111.6	1250	94.5
3200	36328	1084	55.2	1136	62.4	1186	69.4	1234	77.2	1282	84.8	1328	93.0	1375	101.0	1416	109.4			1275	100.2
3400	38598	1106	59.3	1158	66.9	1204	74.5	1252	82.2	1297	90.1	1340	98.3	1387	106.6	1432	115.5			1300	106.2
3600	40869	1132	63.9	1180	71.9	1226	79.7	1274	87.8	1317	95.6	1360	104.2	1400	112.6	1444	121.6			1325	112.6
3800	43140	1152	68.8	1202	76.8	1250	85.0	1292	93.6	1337	101.8	1380	110.5	1422	119.1					1350	118.9
4000	45410	1177	74.0	1224	82.5	1272	90.8	1314	99.5	1360	108.1	1398	117.5	1442	126.2					1375	125.6
4200	47700	1202	79.7	1247	88.2	1295	96.5	1338	105.6	1380	114.6	1420	124.1							1400	132.7
4400	49950	1230	84.8	1272	94.3	1315	103.1	1362	112.4	1404	121.7									1425	140.0
4800	54492	1282	98.1	1330	107.5	1370	117.6	1410	127.2											1450	147.5
5200	59032	1340	112.5	1380	122.9	1422	133.1														

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepower are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE 8 Damair Single Width Limit Load Type "LL" Fans SIZE 8**  
 Wheel Diameter 49" Overall Wheel Width 22¼" Outlet Area 13.77 Sq. Ft.

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		7⁄8" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	11012	207	.659	234	.913	258	1.18	280	1.16	302	1.76	322	2.07	341	2.39	376	3.06	408	3.78	200	.627
900	12388	219	.794	245	1.07	268	1.36	289	1.66	309	1.97	328	2.30	348	2.64	382	3.36	413	4.11	225	.894
1000	13765	232	.951	256	1.25	278	1.56	299	1.89	318	2.22	336	2.56	354	2.92	388	3.68	419	4.48	250	1.23
1100	15142	245	1.14	268	1.45	289	1.79	309	2.13	328	2.49	345	2.86	362	3.23	394	4.02	425	4.85	275	1.63
1200	16518	259	1.36	281	1.69	302	2.04	320	2.41	339	2.78	355	3.18	371	3.58	402	4.39	431	5.26	300	2.12
1300	17894	275	1.62	294	1.95	313	2.32	332	2.72	349	3.12	366	3.52	381	3.94	411	4.82	439	5.71	325	2.70
1400	19271	290	1.92	308	2.26	326	2.64	344	3.06	361	3.48	376	3.91	392	4.34	421	5.27	448	6.21	350	3.36
1500	20648	306	2.24	322	2.61	340	3.02	356	3.44	372	3.86	388	4.33	402	4.80	432	5.73	458	6.73	375	4.15
1600	22024	322	2.62	337	3.01	353	3.41	369	3.84	384	4.30	399	4.78	414	5.27	441	6.26	468	7.30	400	5.02
1700	23400	338	3.03	353	3.44	368	3.87	383	4.31	398	4.76	412	5.26	426	5.79	454	6.83	479	7.89	425	6.03
1800	24777	355	3.50	369	3.93	383	4.36	397	4.84	411	5.31	425	5.81	438	6.35	465	7.44	490	8.55	450	7.15
1900	26154	372	4.02	385	4.47	398	4.95	411	5.39	424	5.86	438	6.41	451	6.96	476	8.09	501	9.25	475	8.43
2000	27530	388	4.60	401	5.06	413	5.58	425	6.01	439	6.53	451	7.06	464	7.63	489	8.77	512	9.95	500	9.81
2200	30283	422	5.88	435	6.41	445	6.90	457	7.48	468	7.98	480	8.55	490	9.12	515	10.31	536	11.6	525	11.39
2400	33036	457	7.27	468	7.93	478	8.57	489	9.12	498	9.71	509	10.3	520	10.88	541	12.1	562	13.48	550	13.06
2600	35789	491	9.11	501	9.89	511	10.49	521	11.10	531	11.7	540	12.34	549	12.99	569	14.22	589	15.6	575	14.0
2800	38542	526	11.30	535	11.89	545	12.7	553	13.29	563	14.0	571	14.7	580	15.32	599	16.6	615	18.1	600	16.9
3000	41295	561	13.75	570	14.12	579	15.22	587	15.8	596	16.6	605	17.4	613	17.96	630	19.3	645	20.8	625	19.2
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	19271	498	8.16	547	10.33	592	12.57	633	14.9	670	17.3	707	19.8	742	22.3	778	25.1	809	27.8	650	21.6
1500	20648	507	8.79	553	10.96	597	13.30	638	15.7	676	18.0	713	21.7	747	23.4	782	26.2	812	29.0	675	24.1
1600	22024	516	9.45	560	11.69	603	14.08	644	16.6	681	19.2	718	21.8	753	24.5	786	27.4	818	30.3	700	27.0
1700	23400	525	10.13	569	12.43	610	14.98	650	17.5	688	20.1	723	22.9	756	25.7	790	28.6	821	31.6	725	29.9
1800	24777	535	10.90	578	13.30	618	15.8	656	18.4	694	21.1	729	24.0	762	26.9	794	29.9	826	32.9	750	33.1
1900	26154	545	11.62	587	14.19	627	16.8	664	19.4	700	22.2	736	25.2	768	28.2	802	31.2	832	34.4	775	36.5
2000	27530	556	12.48	597	15.1	635	17.8	672	20.5	706	23.3	741	26.3	775	29.4	807	32.6	837	35.8	800	40.1
2200	30283	578	14.3	618	17.0	655	19.9	690	22.9	725	25.8	756	29.0	790	32.4	819	35.4	850	38.8	825	44.0
2400	33036	604	16.3	639	19.3	677	22.2	710	25.4	742	28.7	774	31.9	805	35.2	833	38.6	861	42.1	850	48.2
2600	35789	626	18.6	664	21.8	698	24.9	732	28.2	763	31.5	793	35.0	823	38.6	852	42.0	878	45.6	875	52.5
2800	38542	652	21.2	687	24.4	721	27.8	752	31.3	783	34.7	814	38.3	842	41.9	870	46.0	896	49.6	900	57.2
3000	41295	678	24.0	712	27.5	745	30.9	776	34.6	804	38.3	835	42.0	864	46.0	890	49.9	918	53.8	925	62.1
3200	44048	707	27.2	739	30.8	768	34.4	800	38.2	827	42.1	856	46.1	884	50.1	911	54.1	936	58.5	950	67.2
3400	46801	735	30.9	765	34.4	795	38.2	824	42.1	852	46.2	879	50.5	905	54.6	931	58.8	958	63.1	975	72.7
3600	49554	765	34.9	792	38.7	821	42.4	849	46.5	875	50.7	903	55.0	929	59.5	953	64.0	979	68.4	1000	78.4
3800	52307	796	39.4	821	43.1	849	47.2	876	51.3	901	55.6	927	60.1	954	64.5	978	69.4	1001	74.0	1025	84.4
4000	55060	826	44.5	852	48.1	877	52.1	902	56.5	927	61.0	952	65.5	978	70.1	1000	75.0	1024	79.8	1050	90.8
4200	57800	860	49.8	882	53.7	906	57.7	929	62.3	953	66.9	980	71.1	1003	76.1	1021	81.0	1049	86.0	1075	97.6
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	27530	895	42.4	949	49.2	1003	56.4	1052	63.6	1099	71.2	1143	79.2	1187	87.2	1230	95.5	1271	103.8	1100	104.3
2200	30283	905	45.8	958	53.1	1010	60.4	1060	68.0	1106	75.7	1152	84.1	1197	92.4	1239	100.6	1277	109.4	1125	111.5
2400	33036	918	49.4	970	57.0	1027	64.6	1071	72.6	1116	80.7	1161	89.0	1205	97.7	1246	106.4	1286	115.2	1150	119.2
2600	35789	930	53.2	984	60.9	1032	69.1	1082	77.5	1127	86.2	1168	94.6	1214	103.2	1256	112.4	1294	121.6	1175	127.2
2800	38542	950	57.5	996	65.3	1048	74.0	1094	82.8	1138	91.7	1184	100.5	1225	109.6	1267	118.9	1304	128.5	1200	135.5
3000	41295	964	62.1	1014	70.3	1060	78.8	1106	87.8	1152	96.8	1194	106.3	1236	116.0	1276	125.8	1315	135.5	1225	144.0
3200	44048	984	66.9	1032	75.6	1076	84.2	1120	93.5	1165	102.7	1206	112.6	1248	122.5	1288	132.6			1250	153.0
3400	46801	1004	72.1	1050	81.2	1094	90.4	1138	99.5	1178	109.3	1220	119.8	1261	129.4	1300	139.8			1275	162.0
3600	49554	1026	77.6	1070	87.2	1114	96.7	1156	106.4	1196	116.2	1236	126.3	1272	136.6	1313	147.1			1300	172.0
3800	52307	1048	83.3	1090	93.0	1134	103.2	1174	113.5	1215	123.6	1254	134.3	1292	144.5					1325	182.4
4000	55060	1068	89.8	1112	99.9	1156	110.0	1194	120.9	1234	131.1	1270	142.4	1309	153.0						
4200	57800	1091	96.7	1132	107.0	1175	117.2	1215	128.3	1253	139.2	1290	150.4								
4400	60566	1116	102.8	1156	114.4	1194	124.8	1236	136.0	1275	147.7										
4800	66072	1164	119.0	1208	130.4	1244	143.1	1278	154.4												
5200	71578	1216	136.9	1252	149.0	1290	161.6														

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE 9 Damair Single Width Limit Load Type "LL" Fans SIZE 9**

Wheel Diameter 54" Overall Wheel Width 25" Outlet Area 16.72 Sq. Ft.

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	13374	188	.801	212	1.11	234	1.44	254	1.77	273	2.14	292	2.51	309	2.91	341	3.72	370	4.60	180	.742
900	15046	199	.963	222	1.30	243	1.65	262	2.02	280	2.40	298	2.80	315	3.21	346	4.09	375	5.00	200	1.02
1000	16718	210	1.16	232	1.52	252	1.89	271	2.29	288	2.70	305	3.12	321	3.54	352	4.47	380	5.44	220	1.36
1100	18390	222	1.39	243	1.76	262	2.18	281	2.59	298	3.03	312	3.48	328	3.92	358	4.88	386	5.91	240	1.76
1200	20061	236	1.65	255	2.05	274	2.48	290	2.93	307	3.38	322	3.86	337	4.35	365	5.34	391	6.39	260	2.24
1300	21733	249	1.96	267	2.36	284	2.82	301	3.30	316	3.78	332	4.28	346	4.79	373	5.86	398	6.94	280	2.81
1400	23405	264	2.33	279	2.74	296	3.21	312	3.71	328	4.22	342	4.75	356	5.28	382	6.40	407	7.55	300	3.44
1500	25077	278	2.72	292	3.16	308	3.66	323	4.17	338	4.70	352	5.26	365	5.82	392	6.97	416	8.18	320	4.18
1600	26748	292	3.17	306	3.65	321	4.14	335	4.68	349	5.23	362	5.81	376	6.41	401	7.61	425	8.86	340	5.01
1700	28420	307	3.69	321	4.17	334	4.69	349	5.24	361	5.80	374	6.40	387	7.02	411	8.30	435	9.59	360	5.95
1800	30092	322	4.26	334	4.78	347	5.30	360	5.87	372	6.45	385	7.06	398	7.71	421	9.03	445	10.40	380	7.00
1900	31764	338	4.88	349	5.42	362	6.00	372	6.55	385	7.14	398	7.80	409	8.46	433	9.84	455	11.25	400	8.16
2000	33435	352	5.58	364	6.15	375	6.77	387	7.29	398	7.92	409	8.59	421	9.26	444	10.68	465	12.12	420	9.44
2200	36778	383	7.14	394	7.78	405	8.42	415	9.10	425	9.70	435	10.40	445	11.10	467	12.53	486	14.10	440	10.87
2400	40121	415	8.85	424	9.63	434	10.41	443	11.10	452	11.82	462	12.53	472	13.20	491	14.72	510	16.4	460	12.40
2600	43465	446	11.08	455	12.00	464	12.74	473	13.5	481	14.20	490	15.0	499	15.8	515	17.3	534	19.0	480	14.1
2800	46809	478	13.73	486	14.44	495	15.5	502	16.1	511	17.0	519	17.8	526	18.6	543	20.2	559	22.0	500	15.8
3000	50153	510	16.6	518	17.17	525	18.5	533	19.2	541	20.2	549	21.0	555	21.8	571	23.5	585	25.3	520	18.0
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	23405	452	9.92	496	12.60	536	15.3	574	18.1	609	21.0	641	24.0	674	27.1	706	30.4	734	33.8	540	20.2
1500	25077	460	10.70	502	13.30	541	16.2	579	19.1	614	21.8	647	25.2	678	28.4	709	31.8	737	35.2	560	22.4
1600	26748	468	11.50	508	14.20	546	17.1	584	20.1	618	23.3	651	26.5	683	29.8	714	33.2	742	36.8	580	24.9
1700	28420	477	12.30	516	15.1	552	18.2	590	21.3	625	24.4	656	27.8	686	31.2	717	34.7	745	38.4	600	27.5
1800	30092	486	13.20	525	16.2	561	19.2	596	22.4	630	25.6	661	29.2	692	32.8	721	36.3	750	40.0	620	30.5
1900	31764	495	14.10	533	17.2	569	20.4	603	23.6	635	27.0	668	30.6	697	34.2	727	37.9	755	41.7	640	33.4
2000	33435	504	15.1	542	18.3	576	21.6	610	25.0	641	28.4	672	32.0	704	35.8	732	39.6	760	43.5	660	36.7
2200	36778	525	17.4	561	20.7	595	24.2	624	27.8	658	31.4	686	35.2	716	39.0	743	43.1	771	47.1	680	40.2
2400	40121	547	19.8	580	23.4	615	27.0	644	30.9	674	34.9	703	38.8	730	42.8	756	46.9	781	54.1	700	43.8
2600	43465	568	22.6	602	26.4	633	30.3	664	34.2	692	38.3	720	42.6	747	46.9	774	51.1	797	55.5	720	47.7
2800	46809	592	25.8	624	29.7	655	33.8	684	38.0	710	42.2	739	46.6	765	50.9	790	55.8	814	60.4	740	51.7
3000	50153	616	29.2	646	33.4	676	37.6	704	42.1	730	46.5	758	51.0	784	55.9	807	60.6	832	65.5	760	56.0
3200	53152	641	33.2	670	37.5	697	41.7	724	46.5	750	51.2	777	56.1	801	60.9	826	65.7	850	70.9	780	60.5
3400	56839	667	37.5	695	41.8	723	46.5	748	51.2	774	56.2	798	61.4	822	66.3	845	71.5	870	76.8	800	65.4
3600	60183	695	42.5	720	47.0	745	51.5	770	56.5	795	61.6	820	66.8	844	72.2	865	77.8	890	83.0	820	70.4
3800	63526	724	47.9	746	52.5	770	57.4	796	62.4	819	67.6	842	73.0	865	78.5	887	84.3	910	90.0	840	75.5
4000	66870	750	54.0	774	58.5	796	63.4	818	68.7	843	74.1	864	79.5	888	85.3	908	91.1	930	97.0	860	81.1
4200	70200	780	60.6	800	65.2	822	70.2	844	75.7	866	81.2	889	86.4	911	92.5	926	98.4	952	104.3	880	87.0
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	33435	812	51.5	861	59.8	909	68.5	954	77.3	997	86.6	1037	96.2	1078	106.0	1116	116.0	1154	126.2	900	92.7
2200	36778	821	55.7	869	64.4	916	73.4	962	82.5	1005	92.2	1045	102.2	1086	112.2	1124	122.3	1158	133.1	920	99.0
2400	40121	832	60.0	881	69.2	926	78.5	972	88.2	1013	98.1	1053	108.4	1093	118.7	1131	129.4	1167	140.2	940	105.5
2600	43465	844	64.7	892	74.1	938	84.0	982	94.2	1023	104.6	1060	115.0	1102	125.6	1139	136.7	1175	148.0	960	112.5
2800	46809	862	69.8	904	79.3	950	89.6	996	100.8	1033	111.2	1072	122.5	1112	133.3	1148	144.6	1183	156.2	980	120.0
3000	50153	876	75.5	920	85.6	962	96.0	1004	106.4	1045	117.6	1082	129.6	1122	141.0	1158	153.0	1193	164.7	1000	127.2
3200	53152	894	81.6	936	92.0	978	102.4	1016	113.6	1056	125.0	1092	136.9	1133	149.0	1168	161.4			1020	134.8
3400	56839	912	87.2	954	98.4	992	109.6	1032	120.6	1069	132.9	1104	145.6	1144	157.4	1180	170.0			1040	143.1
3600	60183	932	94.4	972	105.6	1010	117.6	1050	129.6	1085	141.2	1122	153.6	1153	166.1	1192	179.1			1060	151.5
3800	63526	950	101.4	990	112.8	1030	125.6	1066	137.7	1103	150.2	1138	163.1	1172	175.7					1080	160.3
4000	66870	970	109.1	1008	121.2	1050	133.6	1084	146.5	1120	159.6	1152	172.8	1188	186.0					1100	169.2
4200	70200	989	117.5	1027	130.1	1066	142.6	1103	156.0	1137	169.2	1171	183.1							1120	178.6
4400	73556	1012	124.9	1050	139.2	1084	152.0	1122	165.6	1157	179.6									1140	188.6
4800	80242	1056	144.9	1094	158.3	1130	173.5	1160	187.1											1160	198.6
5200	86930	1102	165.6	1136	180.9	1170	196.6													1180	209.0

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered



**SIZE 10 Damair Single Width Limit Load Type "LL" Fans SIZE 10**  
 Wheel Diameter 60" Overall Wheel Width 27<sup>3</sup>/<sub>16</sub>" Outlet Area 20.64 Sq. Ft.

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	16512	169	.986	191	1.37	211	1.77	229	2.18	246	2.63	263	3.10	278	3.59	308	4.59	333	5.66	160	.882
900	18576	179	1.19	200	1.60	219	2.04	236	2.49	252	2.96	268	3.45	284	3.96	312	5.04	337	6.46	180	1.25
1000	20640	189	1.43	209	1.87	227	2.33	244	2.82	260	3.33	274	3.84	288	4.37	317	5.50	342	6.71	200	1.72
1100	22764	200	1.71	219	2.17	236	2.68	253	3.19	268	3.73	282	4.29	296	4.84	322	6.02	347	7.29	220	2.29
1200	24768	212	2.03	230	2.52	246	3.05	262	3.60	276	4.16	290	4.75	303	5.37	329	6.59	352	7.89	240	2.97
1300	26832	224	2.42	240	2.92	256	3.48	271	4.06	285	4.66	299	5.28	312	5.91	336	7.23	359	8.56	260	3.78
1400	28996	237	2.87	252	3.38	266	3.96	281	4.57	294	5.21	307	5.86	320	6.51	344	7.90	366	9.30	280	4.73
1500	30960	250	3.36	264	3.90	277	4.50	290	5.15	304	5.79	316	6.50	329	7.19	353	8.60	374	10.09	300	5.81
1600	33024	263	3.91	276	4.50	288	5.10	302	5.75	314	6.45	326	7.17	338	7.91	361	9.40	382	10.95	320	7.05
1700	35088	276	4.53	288	5.15	300	5.79	312	6.45	325	7.14	336	7.90	348	8.66	370	10.20	394	11.85	340	8.48
1800	37152	290	5.25	301	5.90	312	6.53	324	7.22	336	7.95	347	8.72	358	9.51	379	11.10	400	12.82	360	10.04
1900	39216	304	6.02	314	6.66	325	7.04	336	8.07	347	8.80	358	9.62	368	10.40	389	12.10	409	13.90	380	11.82
2000	41280	318	6.89	328	7.60	338	8.30	348	9.00	358	9.75	368	10.57	379	11.40	400	13.10	418	14.99	400	13.78
2200	45408	345	8.80	355	9.60	364	10.37	373	11.20	382	11.90	392	12.80	401	13.65	420	15.40	438	17.4	420	15.9
2400	49536	374	10.90	382	11.85	391	12.80	399	13.65	407	14.5	416	15.40	425	16.23	442	18.10	459	20.2	440	18.3
2600	53664	402	13.65	409	14.8	418	15.70	426	16.6	431	17.5	441	18.40	448	19.40	464	21.0	481	23.4	460	20.9
2800	57792	430	16.90	437	17.8	445	19.00	452	19.8	460	20.90	467	22.00	471	22.90	488	24.80	503	27.2	480	23.8
3000	61920	458	20.60	466	21.20	473	22.80	480	23.70	487	24.80	493	25.8	500	26.80	514	28.90	526	31.3	500	26.9
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	28996	407	12.22	447	15.5	483	18.8	517	22.3	547	25.8	577	29.7	606	33.4	635	37.6	661	41.8	520	30.3
1500	30960	414	13.16	452	16.4	488	19.9	521	23.6	552	27.0	582	31.2	610	35.1	638	39.3	663	43.5	540	34.0
1600	33024	421	14.15	458	17.5	493	21.2	526	24.9	556	28.7	586	32.7	615	36.8	642	41.1	668	45.4	560	37.8
1700	35088	429	15.2	465	18.7	497	22.5	531	26.2	562	30.1	591	34.4	617	38.5	645	42.9	670	47.4	580	42.2
1800	37152	437	16.3	473	19.9	505	23.6	536	27.6	567	31.6	595	36.1	623	40.4	649	44.8	674	49.4	600	46.5
1900	39216	445	17.4	480	21.0	511	25.1	542	29.1	571	33.4	601	37.7	628	42.2	655	46.8	679	51.6	620	51.2
2000	41280	445	18.7	488	22.6	519	26.6	549	38.8	577	35.0	605	39.5	634	44.2	659	48.9	684	53.8	640	56.5
2200	45408	472	21.5	505	25.6	535	29.9	564	34.4	592	38.7	617	43.5	645	48.1	669	53.2	694	58.2	660	62.0
2400	49536	493	24.4	522	28.9	553	33.4	581	38.2	606	43.0	632	47.9	658	52.8	680	58.0	704	63.2	680	67.8
2600	53664	511	27.9	541	32.7	570	37.4	598	42.3	623	47.4	648	52.6	673	57.9	696	63.2	717	68.5	700	74.0
2800	57792	534	31.8	561	36.8	589	41.8	615	47.0	639	52.1	665	57.6	688	62.8	710	69.0	732	74.6	720	80.6
3000	61920	554	36.0	582	41.3	609	46.4	633	52.0	657	57.5	682	63.1	705	69.0	727	74.9	749	81.0	740	87.1
3200	66048	577	40.9	603	46.4	627	51.6	653	57.4	675	63.3	699	69.2	721	75.2	743	81.3	765	87.6	760	94.6
3400	70176	600	46.3	625	51.7	650	57.3	673	63.2	695	69.4	718	75.8	740	81.9	760	88.2	782	94.7	780	102.1
3600	74304	625	52.4	646	58.1	671	63.6	693	69.8	715	76.1	737	82.5	759	89.2	778	96.1	799	102.6	800	110.0
3800	78432	650	59.2	671	64.8	694	70.9	715	77.1	736	83.5	757	90.1	778	96.9	799	104.0	807	111.2	820	118.3
4000	82560	675	66.3	696	72.3	717	78.3	737	84.9	758	91.5	777	98.2	800	105.3	817	112.5	836	119.8	840	126.8
4200	86688	702	74.8	720	80.6	740	86.6	760	95.5	780	100.4	800	106.8	820	114.2	834	121.6	857	129.0	860	136.7
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	41280	731	63.6	776	73.9	818	81.6	859	95.4	897	107.0	933	118.8	969	131.0	1004	143.2	1039	156.0	880	146.4
2200	45408	739	68.8	782	79.6	825	91.0	866	102.0	904	113.8	940	126.2	977	138.5	1011	151.4	1043	164.3	900	155.5
2400	49536	749	74.1	793	85.5	835	97.0	875	109.0	911	121.2	948	133.9	984	146.5	1014	160.0	1051	173.2	929	167.3
2600	53664	759	79.8	804	91.6	845	103.6	884	116.2	921	129.4	954	142.0	991	155.3	1025	168.8	1057	182.6	940	178.5
2800	57792	775	86.1	815	98.1	856	110.0	894	124.0	930	137.6	966	150.7	1000	165.2	1033	178.5	1065	192.8	960	190.4
3000	61920	788	93.2	828	105.5	865	118.2	904	131.8	941	145.5	975	159.7	1010	174.1	1042	189.0	1074	203.5	980	204.0
3200	66048	804	100.5	843	113.4	879	126.5	914	140.4	951	154.5	985	169.0	1020	184.0	1051	199.2	1087	216.0	1000	215.2
3400	70176	821	108.4	859	121.7	893	135.8	930	149.5	962	164.1	995	179.9	1029	194.4	1062	210.0	1094	226.0	1020	229.5
3600	74304	839	116.1	875	130.4	910	145.0	945	159.8	976	174.4	1009	190.0	1038	205.0	1072	221.0	1100	236.0	1040	242.4
3800	78432	855	125.3	892	139.8	926	155.0	960	170.3	991	185.5	1023	201.5	1054	217.0	1087	236.0	1100	246.0	1060	255.0
4000	82560	872	134.9	907	149.8	943	165.2	976	181.0	1008	197.1	1038	213.9	1069	230.0	1100	246.0	1100	255.0	1080	272.0
4200	86688	891	145.2	924	160.6	960	176.1	992	192.6	1023	209.0	1053	226.0	1087	246.0	1100	255.0	1100	264.0	1100	285.5
4400	90816	912	154.4	944	172.1	976	187.8	1011	204.3	1041	221.8	1071	241.0	1100	255.0	1100	264.0	1100	273.0	1100	294.0
4800	99072	950	178.7	985	195.4	1014	214.1	1044	231.0	1074	251.0	1104	271.0	1134	291.0	1164	311.0	1194	331.0	1130	314.0
5200	107328	994	204.7	1023	223.3	1054	242.8	1084	251.0	1114	271.0	1144	291.0	1174	311.0	1204	331.0	1234	351.0	1160	334.0

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE 11 Damair Single Width Limit Load Type "LL" Fans SIZE 11**  
 Wheel Diameter 66" Overall Wheel Width 29 7/8" Outlet Area 24.97 Sq. Ft.

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
800	19978	154	1.20	174	1.66	191	2.14	208	2.64	224	3.19	239	3.76	243	4.34	279	5.56	303	6.85	150	1.17	
900	22475	163	1.44	182	1.94	199	2.47	214	3.02	230	3.58	244	4.17	258	4.80	283	6.11	307	7.46	170	1.71	
1000	24972	172	1.73	190	2.26	206	2.82	222	3.41	236	4.03	250	4.65	263	5.30	288	6.67	311	8.12	190	2.39	
1100	27470	182	2.07	199	2.63	215	3.25	230	3.86	243	4.52	256	5.19	269	5.86	292	7.29	316	8.81	210	3.23	
1200	29966	193	2.46	209	3.95	224	3.70	238	4.38	251	5.05	263	5.77	276	6.50	299	7.98	320	9.55	230	4.24	
1300	32464	204	2.93	219	3.53	233	4.22	246	4.93	259	5.65	272	6.40	283	7.16	305	8.75	326	10.36	250	5.43	
1400	34961	216	3.48	228	4.10	242	4.80	255	5.54	268	6.30	279	7.10	291	7.90	312	9.56	333	11.27	270	6.85	
1500	37458	227	4.07	239	4.73	252	5.46	264	6.23	276	7.02	288	7.86	299	8.70	321	10.40	340	12.21	290	8.50	
1600	39955	239	4.74	251	5.46	262	6.20	274	6.99	285	7.82	297	8.68	307	9.58	328	11.38	347	13.25	310	10.38	
1700	42451	252	5.56	262	6.25	273	7.00	284	7.82	295	8.65	306	9.65	316	10.50	336	12.40	355	14.33	330	12.51	
1800	44948	264	6.36	274	7.15	284	7.90	294	8.76	305	9.64	315	10.55	325	11.52	345	13.50	363	15.5	350	14.9	
1900	47446	276	7.30	287	8.10	296	8.96	305	9.77	315	10.65	325	11.65	335	12.63	354	14.65	372	16.8	370	17.7	
2000	49943	289	8.35	298	9.21	307	10.08	316	10.90	326	11.85	335	12.83	344	13.83	363	15.9	380	18.1	390	20.6	
2200	54938	314	10.69	322	11.61	331	12.56	339	13.58	348	14.50	356	15.50	364	16.55	382	18.7	398	21.1	410	24.0	
2400	59933	340	13.20	347	14.40	355	15.55	363	16.55	370	17.65	378	18.70	386	19.7	402	22.0	417	24.5	430	27.6	
2600	64927	365	16.50	372	17.94	380	19.00	387	20.20	394	21.20	401	22.40	408	23.6	422	25.8	437	28.4	450	31.6	
2800	69920	391	20.50	398	21.60	405	23.10	411	24.10	418	25.10	425	26.65	432	27.8	444	30.2	457	32.8	470	36.2	
3000	74915	417	24.90	424	25.60	430	27.60	436	28.70	442	30.00	449	31.30	455	32.6	467	35.2	478	37.8	490	41.0	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
1400	34961	370	14.8	406	18.7	439	22.8	470	27.0	498	31.3	525	35.9	551	40.5	577	45.5	601	50.6	510	46.2	
1500	37458	376	16.0	411	19.9	443	24.2	474	28.6	502	32.6	529	37.7	555	42.5	581	47.6	604	52.6	530	51.8	
1600	39958	383	17.1	416	21.2	448	25.6	478	30.1	506	34.8	534	39.6	559	44.5	584	49.7	607	54.9	550	57.8	
1700	42451	390	18.4	422	22.6	452	27.2	483	31.7	511	36.5	538	41.6	561	46.6	587	51.9	610	57.4	570	64.6	
1800	44948	397	19.7	429	24.2	459	28.6	488	33.5	515	38.3	542	43.6	566	48.9	590	54.3	614	59.7	590	71.7	
1900	47446	405	21.1	436	25.8	465	30.4	493	35.3	520	40.4	547	45.7	570	51.1	594	56.6	618	62.4	610	78.9	
2000	49943	413	22.6	443	27.4	471	32.3	499	37.3	525	42.3	551	47.8	575	53.4	599	59.2	622	65.0	630	87.0	
2200	54938	429	26.0	459	30.9	486	36.2	514	41.7	538	46.9	561	52.6	586	58.3	609	64.4	631	70.5	650	95.5	
2400	59933	448	29.6	475	34.9	503	40.4	528	46.2	550	52.1	575	58.0	597	63.9	619	70.1	641	76.3	670	104.6	
2600	64927	465	33.8	493	39.5	518	45.3	543	51.2	566	57.2	589	63.6	611	70.1	633	76.4	652	82.9	690	114.4	
2800	69920	485	38.5	510	44.4	536	50.6	560	56.8	581	63.0	605	69.7	625	76.0	646	83.6	666	90.2	710	124.6	
3000	74915	504	43.6	529	49.9	554	56.0	576	63.0	597	69.5	621	76.3	641	83.2	661	90.7	680	96.9	730	135.8	
3200	79910	525	49.5	548	56.0	570	62.4	594	69.5	615	76.5	636	83.8	655	90.9	676	98.4	695	106.0	750	146.0	
3400	84903	546	56.0	568	62.5	590	69.4	614	76.6	632	83.9	654	91.8	671	99.0	692	106.8	711	114.7	770	159.0	
3600	89897	569	63.4	589	70.2	610	77.0	630	84.5	650	92.0	671	100.0	689	108.0	708	116.3	727	124.2	790	170.8	
3800	94892	592	71.5	610	78.4	630	85.6	651	93.3	669	101.0	689	109.0	708	117.2	726	126.0	744	134.6	810	184.3	
4000	99886	614	80.7	632	87.5	652	94.6	670	102.8	689	110.7	708	119.0	726	127.4	744	136.0	760	145.0	830	199.0	
4200	104881	638	90.5	655	97.6	672	105.0	690	113.3	708	121.5	728	129.2	742	138.2	759	147.0	779	158.1	850	214.0	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
2000	49943	665	77.0	705	89.5	744	102.4	781	115.5	816	129.2	849	143.8	881	158.5	913	173.2	944	188.6	870	229.0	
2200	54938	672	83.3	712	96.4	750	109.8	788	123.5	822	137.8	856	152.8	888	167.6	919	183.1	948	198.8	890	244.5	
2400	59933	681	89.8	721	103.5	759	117.2	795	132.0	829	146.7	862	162.0	895	177.5	925	193.4	955	209.8	910	262.0	
2600	64927	690	96.7	731	110.8	768	125.5	804	140.6	838	156.5	868	172.0	902	187.9	932	204.2	967	221.0	930	280.0	
2800	69920	706	104.3	740	118.8	778	134.3	813	150.0	846	166.5	878	182.4	910	199.3	940	216.1	968	233.5	950	296.0	
3000	74915	716	113.9	752	127.8	786	143.0	822	159.5	856	176.0	886	193.3	918	211.0	948	228.5	976	246.1	970	318.0	
3200	79910	731	121.6	766	137.4	800	153.2	832	169.8	865	186.8	896	204.3	927	222.6	956	241.2			990	337.0	
3400	84903	746	130.9	780	147.4	813	164.3	845	181.0	875	198.6	904	217.5	936	235.2	965	254.0					
3600	89897	762	140.8	794	157.9	826	175.6	858	193.5	888	211.0	918	229.2	944	248.3	975	267.3					
3800	94892	777	151.6	810	169.1	842	187.2	872	206.1	902	224.6	930	243.9	959	262.8							
4000	99886	792	163.1	826	181.4	858	200.0	887	219.2	917	238.8	944	258.7	972	278.0							
4200	104881	810	175.8	841	194.6	874	213.0	903	233.1	931	253.0	958	273.7									
4400	109876	830	186.9	859	208.1	886	227.3	919	247.2	946	268.4											
4800	119866	864	216.4	896	236.6	924	259.2	949	280.0													
5200	129854	904	248.0	930	270.0	958	293.6															

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE 12 Wheel Diameter 73" Overall Wheel Width 33<sup>9</sup>/<sub>16</sub>" Outlet Area 30.55 Sq. Ft. 12**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	24440	139	1.46	157	2.02	173	2.63	188	3.24	202	3.90	216	4.59	229	5.31	252	6.80	274	8.39	135	1.42
900	27496	147	1.76	164	2.37	180	3.02	194	3.69	208	4.38	221	5.10	233	5.87	256	7.46	277	9.13	150	1.94
1000	30551	156	2.11	172	2.77	187	3.45	201	4.18	213	4.93	226	5.69	237	6.48	260	8.16	281	9.94	165	2.58
1100	33606	165	2.53	180	3.22	194	3.97	208	4.72	220	5.53	232	6.35	243	7.18	264	8.91	285	10.79	180	3.36
1200	36661	174	3.01	189	3.73	202	4.52	215	5.36	227	6.17	238	7.05	249	7.95	270	9.76	289	11.68	195	4.25
1300	39716	184	3.58	198	4.32	210	5.15	223	6.02	234	6.90	245	7.82	256	8.75	276	10.71	295	12.68	210	5.32
1400	42772	195	4.25	207	5.02	219	5.86	231	6.76	242	7.72	252	8.66	263	9.64	282	11.70	301	13.80	225	6.56
1500	45826	206	4.98	216	5.78	228	6.67	239	7.62	250	8.58	260	9.60	270	10.63	290	12.70	307	14.94	240	7.94
1600	48881	216	5.80	226	6.65	237	7.56	248	8.53	258	9.55	268	10.60	278	11.70	296	13.00	314	16.2	255	9.55
1700	51936	228	6.74	237	7.63	247	8.57	257	9.56	267	10.60	276	11.70	286	12.80	304	15.15	321	17.6	270	11.30
1800	54991	239	7.77	248	8.73	257	9.65	266	10.70	276	11.78	285	12.90	294	14.10	312	16.5	328	19.0	285	13.35
1900	58046	250	8.92	258	9.91	267	10.98	276	11.95	285	13.04	294	14.23	303	15.46	320	17.9	336	20.6	300	15.5
2000	61101	261	10.20	270	11.30	278	12.35	286	13.32	294	14.50	303	15.7	311	16.95	328	19.5	344	22.2	315	17.9
2200	67211	284	13.05	292	14.2	299	15.3	307	16.6	314	17.7	322	19.0	329	20.2	345	22.9	360	23.8	330	20.7
2400	73321	307	16.15	314	17.6	321	19.0	328	20.2	335	21.6	342	22.9	348	24.1	363	26.9	377	29.9	345	23.6
2600	79431	330	20.2	336	21.9	344	23.3	351	24.7	356	25.9	362	27.3	369	28.8	382	31.6	395	34.7	360	26.8
2800	85541	354	25.1	360	26.4	366	28.2	372	29.5	379	31.1	384	32.6	390	34.0	402	36.9	413	40.2	375	30.4
3000	91651	377	30.5	383	31.3	388	33.6	394	35.1	401	36.9	406	38.5	411	39.8	422	42.9	432	46.3	390	34.0
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	42772	335	18.2	368	22.9	397	27.9	425	32.9	450	38.3	474	43.9	498	49.5	522	55.6	544	61.8	405	38.2
1500	45826	340	19.5	372	24.4	401	29.5	428	34.9	454	39.9	478	46.1	501	52.0	515	58.1	546	64.2	420	42.5
1600	48881	346	21.0	376	25.9	405	31.2	432	36.7	458	42.5	482	48.4	505	54.5	528	60.7	549	67.1	435	47.2
1700	51936	353	22.5	382	27.6	409	33.3	436	38.8	462	44.6	485	50.8	508	57.0	531	63.4	552	70.1	450	52.3
1800	54991	360	24.2	388	29.5	415	35.0	441	40.8	466	46.9	489	53.3	512	59.8	534	66.3	555	72.6	465	57.7
1900	58046	366	25.8	394	31.5	421	37.2	446	43.1	470	49.3	494	55.8	515	62.5	538	69.2	559	76.2	480	63.7
2000	61101	373	27.7	401	33.5	426	39.5	451	45.5	474	51.8	498	58.4	520	65.4	542	72.4	563	79.4	495	69.8
2200	67211	388	31.8	415	37.8	440	44.2	463	50.8	487	57.4	508	64.2	530	71.4	550	78.6	570	86.1	510	76.5
2400	73321	405	36.2	429	42.8	454	49.4	477	56.4	498	63.7	520	70.8	540	78.1	559	85.6	579	93.2	525	83.5
2600	79431	420	41.3	445	48.4	468	55.4	491	62.5	512	70.1	533	77.8	552	85.8	572	93.4	590	101.3	540	90.9
2800	85541	438	47.1	461	54.4	484	61.9	506	69.4	525	77.2	546	85.2	565	93.0	584	102.0	602	110.4	555	98.3
3000	91651	455	53.4	478	61.1	500	68.6	521	77.0	540	85.1	561	93.2	580	102.0	598	110.8	614	119.6	570	107.0
3200	97761	474	60.6	495	68.5	516	76.4	537	84.8	555	93.6	575	102.4	593	111.2	611	120.1	628	129.5	585	115.0
3400	103871	494	68.5	514	76.5	534	84.9	554	93.5	572	102.7	591	112.0	608	121.1	625	130.5	642	140.8	600	124.0
3600	109981	515	77.5	532	86.1	551	94.3	570	103.2	588	112.8	606	122.1	624	132.0	640	142.0	656	151.8	615	134.0
3800	116091	535	87.6	552	96.0	570	105.0	588	114.0	605	123.8	622	133.2	640	143.3	656	153.9	672	164.5	630	143.8
4000	122201	556	98.7	572	107.0	590	115.9	606	125.5	623	135.5	640	145.3	656	156.0	672	166.3	688	177.2	645	154.5
4200	128312	577	110.5	592	119.1	608	128.2	625	138.3	640	148.3	658	157.8	674	169.0	686	179.8	704	190.8	660	165.5
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	61101	600	94.0	639	109.4	673	125.2	706	141.3	737	158.4	768	175.7	796	193.6	826	211.8	853	230.7	675	175.8
2200	67211	608	101.7	644	117.8	678	134.2	713	150.9	743	168.4	773	186.6	802	205.0	831	224.0	858	243.1	690	187.8
2400	73321	615	109.6	652	116.5	686	143.5	719	161.3	748	179.4	779	198.0	809	216.8	836	236.3	864	256.2	705	200.0
2600	79431	624	118.1	660	135.5	694	153.4	726	171.8	756	191.3	784	210.0	815	229.6	843	249.7	869	270.2	720	214.2
2800	85541	638	127.4	670	145.1	704	164.1	735	183.2	765	203.6	794	223.0	822	243.7	850	264.2	875	285.3	735	228.0
3000	91651	648	137.9	680	156.1	712	174.8	744	194.9	774	215.2	802	236.3	830	257.6	857	279.5	883	300.8	750	242.0
3200	97761	661	148.7	692	167.7	722	187.1	752	207.7	782	228.4	810	250.0	838	272.1	865	294.8			765	257.0
3400	103871	675	160.0	706	184.4	734	200.8	764	221.1	791	243.0	818	266.0	845	287.6	873	310.4			780	272.0
3600	109981	688	172.1	720	192.9	748	214.7	776	236.4	803	257.9	830	280.7	854	303.5	881	327.0			795	289.0
3800	116091	703	185.2	732	206.8	762	229.1	788	251.8	815	294.3	842	298.2	866	321.0					810	307.0
4000	122201	718	199.5	746	221.7	776	244.4	802	267.9	829	291.6	854	316.2	880	340.0					825	322.0
4200	128312	733	215.0	760	237.8	789	260.4	815	285.0	841	309.1	865	334.3							840	340.0
4400	134422	750	218.1	776	254.2	802	278.0	830	302.3	855	328.2									855	359.0
4800	146642	782	264.2	810	289.3	834	317.0	858	342.0											870	379.0
5200	158862	816	303.0	840	330.2	866	359.0													885	398.0

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered



**SIZE Damair Single Width Limit Load Type "LL" Fans SIZE**  
**13½** Wheel Diameter 12" Overall Wheel Width 5<sup>9</sup>/<sub>16</sub>" Outlet Area .826 Sq. Ft. **13½**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		7⁄8" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
800	29908	126	1.79	142	2.48	157	3.21	170	3.96	183	4.77	195	5.62	207	6.50	228	8.33	248	10.26	125	1.86	
900	33647	133	2.16	149	2.91	163	3.69	176	4.52	188	5.36	199	6.25	211	7.18	232	9.15	251	11.17	140	2.61	
1000	37385	141	2.59	156	3.39	169	4.23	181	5.12	193	6.04	204	6.97	214	7.92	235	10.0	254	12.15	155	3.54	
1100	41123	149	3.10	163	3.95	176	4.87	188	5.80	199	6.77	209	7.78	220	8.78	239	10.9	258	13.2	170	4.66	
1200	44861	158	3.69	171	4.58	183	5.54	194	6.56	206	7.58	215	8.65	225	9.73	244	11.91	262	14.3	185	6.00	
1300	48600	167	4.40	179	5.30	190	6.31	201	7.40	211	8.49	222	9.60	231	10.72	250	13.11	266	15.5	200	7.60	
1400	42339	177	5.21	187	6.15	198	7.18	209	8.30	219	9.47	228	10.65	238	11.82	255	14.31	272	16.9	215	9.45	
1500	56077	186	6.10	196	7.10	206	8.19	216	9.35	226	10.52	235	11.80	244	13.05	262	15.6	278	18.3	230	11.60	
1600	59816	196	7.13	205	8.18	214	9.28	224	10.48	234	11.71	242	13.02	251	14.35	268	17.1	284	19.8	245	14.0	
1700	63555	206	8.26	215	9.36	223	10.51	232	11.72	242	12.98	250	14.35	259	15.7	275	18.6	290	21.4	260	16.7	
1800	67294	216	9.54	224	10.72	232	11.85	241	13.15	249	14.45	258	15.8	266	17.3	282	20.2	297	23.2	275	19.8	
1900	71033	226	10.95	234	12.18	242	13.45	250	14.68	258	16.00	266	17.5	274	18.9	289	22.0	304	25.2	290	23.3	
2000	74771	236	12.51	244	13.82	251	15.2	258	16.3	266	17.8	271	19.2	281	20.7	296	23.9	311	27.1	305	27.1	
2200	82248	257	16.0	264	17.4	271	18.8	277	20.4	284	21.7	291	23.3	298	24.8	312	28.1	326	31.6	320	31.2	
2400	89725	278	19.8	284	21.6	290	23.3	296	24.8	302	26.4	309	28.0	316	29.6	328	33.0	341	36.6	335	35.6	
2600	97202	298	24.8	304	26.9	311	28.5	317	30.3	322	31.8	328	33.6	334	35.3	345	38.8	357	42.4	350	40.8	
2800	104679	320	30.7	325	32.3	331	34.6	336	36.1	342	38.0	347	40.0	352	41.7	369	45.2	374	49.1	365	46.2	
3000	112156	341	37.3	347	38.4	351	41.4	356	43.0	362	45.2	367	47.2	372	48.9	382	52.6	391	56.6	380	52.2	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
1400	52339	302	22.2	332	28.1	359	34.1	384	40.3	407	46.9	429	53.6	450	46.9	472	68.0	492	75.5	395	58.7	
1500	56077	308	23.8	336	29.8	362	36.2	387	42.6	410	48.9	433	56.3	453	48.9	475	71.0	493	78.5	410	65.5	
1600	59816	313	25.6	340	31.8	366	38.2	391	44.9	414	52.1	436	59.2	456	52.1	479	74.1	497	82.0	425	73.0	
1700	63555	319	27.6	345	33.8	370	40.7	395	47.4	418	54.6	439	62.1	459	54.6	480	77.5	499	85.6	440	80.7	
1800	67294	325	29.6	351	36.2	375	42.9	399	50.0	421	57.4	442	65.2	462	57.4	483	81.0	502	89.1	455	89.5	
1900	71033	331	31.6	356	38.6	380	45.5	403	52.7	425	60.4	446	68.2	466	60.4	487	84.5	505	93.1	470	99.0	
2000	74771	337	33.9	362	41.0	385	48.4	408	55.6	429	63.4	450	71.4	470	63.4	490	88.4	509	97.0	485	108.2	
2200	82248	351	38.9	375	46.2	398	54.1	420	62.1	440	70.2	459	78.6	479	70.2	498	96.0	516	105.3	500	119.2	
2400	89725	366	44.3	388	52.4	411	60.5	432	69.0	450	78.0	471	86.5	488	78.0	506	104.5	523	114.0	515	129.2	
2600	97202	380	50.5	403	59.1	424	67.7	445	76.5	463	85.7	482	95.2	500	85.7	517	114.5	534	123.6	530	141.8	
2800	104679	396	57.6	417	66.5	437	75.7	458	84.9	475	94.4	495	104.0	511	94.4	529	124.5	545	135.0	545	154.0	
3000	112156	412	65.3	432	74.6	452	84.0	471	94.1	488	104.1	507	114.0	524	104.1	541	135.2	557	146.1	560	167.0	
3200	119633	429	74.1	448	83.9	466	93.4	485	103.6	503	114.4	520	125.0	536	114.4	552	146.8	569	158.0	575	180.5	
3400	127110	446	83.9	465	93.5	483	103.9	501	114.2	517	125.8	535	137.0	550	125.8	566	159.3	582	171.2	590	195.0	
3600	134587	465	95.0	481	105.1	498	115.1	515	126.0	532	138.0	548	149.0	564	138.0	579	173.3	595	185.0	605	211.0	
3800	142064	484	107.1	499	117.2	515	128.2	532	139.0	547	151.1	563	163.0	578	151.1	595	188.0	608	200.8	620	226.5	
4000	149541	502	121.0	517	131.0	533	141.8	548	153.4	564	165.8	578	177.3	595	165.8	608	203.0	622	216.5	635	243.0	
4200	157019	522	135.0	536	145.5	551	156.6	565	169.0	580	181.2	596	193.0	610	206.5	620	220.0	637	233.0	650	261.5	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
2000	74771	543	115.0	577	133.5	609	153.0	638	172.5	668	193.3	695	215.0	721	237.0	747	259.0	773	282.0	665	280.	
2200	82248	550	124.2	582	144.0	614	164.0	645	184.3	672	205.0	700	228.0	727	250.0	752	273.0	775	297.0	680	300.	
2400	89725	557	134.0	590	154.3	621	175.2	651	196.6	678	219.0	705	242.0	732	265.0	757	289.0	782	313.0	695	319.	
2600	97202	565	144.0	598	165.4	628	187.4	658	210.0	685	234.0	709	257.0	737	280.0	762	305.0	786	330.0	710	340.	
2800	104679	577	155.5	605	177.2	636	200.0	665	224.0	691	248.0	719	272.0	743	298.0	770	322.0	792	348.0	725	362.	
3000	112156	587	168.4	616	190.5	645	213.0	672	238.0	700	263.0	725	288.0	751	315.0	775	341.0	798	367.0	740	385.	
3200	119633	599	181.4	627	204.5	655	228.0	680	253.0	708	279.0	733	305.0	758	332.0	782	360.0			755	410.	
3400	127110	610	195.0	639	220.0	665	245.0	695	270.0	716	297.0	740	325.0	765	351.0	790	379.0			770	433.	
3600	134587	624	210.0	651	235.0	676	262.0	706	289.0	726	315.0	750	343.0	772	371.0	797	400.0			785	460.	
3800	142064	636	226.0	663	252.0	690	280.0	714	307.0	738	335.0	760	363.0	785	392.0					800	488.	
4000	149541	649	244.0	675	270.0	702	298.0	727	327.0	750	356.0	772	386.0	795	415.0							
4200	157019	663	262.0	688	290.0	713	318.0	738	348.0	761	378.0	783	408.0									
4400	164496	678	278.0	703	310.0	725	339.0	752	370.0	775	400.0											
4800	179450	707	323.0	733	353.0	755	387.0	776	418.0													
5200	194404	739	370.0	762	403.0	785	438.0															

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE 15 Damair Single Width Limit Load Type "LL" Fans SIZE 15**  
 Wheel Diameter 89" Overall Wheel Width 40¼" Outlet Area 45.41 Sq. Ft.

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		⅞" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	36328	114	2.18	129	3.01	142	3.90	154	4.82	166	5.79	177	6.83	188	7.90	207	10.1	224	12.5	110	2.06
900	40869	121	2.62	135	3.53	148	4.48	159	5.49	170	6.50	181	7.59	191	8.72	210	1.1	227	13.6	125	3.04
1000	45410	128	3.14	141	4.11	153	5.14	165	6.21	175	7.33	185	8.46	195	9.62	214	12.12	231	14.75	140	4.26
1100	49951	135	3.76	148	4.79	159	5.90	170	7.04	180	8.22	190	9.44	199	10.67	217	13.25	234	16.0	155	5.78
1200	54492	143	4.48	155	5.55	166	6.72	176	7.95	186	9.20	195	10.49	204	11.80	222	14.50	237	17.4	170	7.63
1300	59033	151	5.34	162	6.42	173	7.65	183	8.96	192	10.29	202	11.63	210	13.0	227	15.9	242	18.8	185	9.80
1400	63574	160	6.32	170	7.45	179	8.70	189	10.08	198	11.48	207	12.9	216	14.34	232	17.4	217	20.5	200	12.40
1500	68115	169	7.39	177	8.60	187	9.93	196	11.33	205	12.78	214	14.3	222	15.8	238	18.9	252	22.2	215	15.40
1600	72656	177	8.60	186	9.91	194	11.27	203	12.70	212	14.2	220	15.8	228	17.4	243	20.7	258	24.1	230	18.9
1700	77197	187	10.02	194	11.30	202	12.75	210	14.22	219	15.7	227	17.4	234	19.1	250	22.6	263	26.1	245	22.8
1800	81738	196	11.58	203	13.00	211	14.38	218	16.0	226	17.5	234	19.2	242	21.0	256	24.6	269	28.2	260	27.3
1900	86279	205	13.28	212	14.75	219	16.3	226	17.8	234	19.4	241	21.2	248	23.0	262	26.7	275	30.6	275	32.2
2000	90820	214	15.2	221	16.7	228	18.3	234	19.8	242	21.5	248	23.3	255	25.2	270	29.0	282	32.9	290	37.8
2200	99902	232	19.4	239	21.2	245	22.8	252	24.7	258	26.3	264	28.2	270	30.4	284	34.0	295	38.3	305	44.0
2400	108984	252	24.0	258	26.2	263	28.2	269	30.1	274	32.0	280	34.0	286	35.9	298	40.0	309	44.5	320	50.8
2600	118066	271	30.0	276	32.6	282	34.6	287	36.8	292	38.6	297	40.7	302	42.6	313	47.0	324	51.5	335	58.1
2800	127148	290	37.2	295	39.2	300	41.8	305	43.8	310	46.2	314	48.0	320	50.6	329	54.9	339	59.6	350	66.6
3000	136230	309	45.3	314	46.6	318	50.0	323	52.1	328	54.8	333	57.3	338	59.3	346	63.8	355	68.9	365	75.3
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	59033	275	27.0	302	34.1	326	41.4	318	49.0	369	56.9	389	65.4	408	73.6	428	82.8	447	92.1	380	85.1
1500	68115	279	29.0	305	36.2	329	43.9	351	51.8	372	59.3	392	68.6	411	77.2	431	86.5	448	95.8	395	95.7
1600	72656	284	31.1	308	38.6	332	46.5	354	54.6	375	63.2	395	72.1	414	81.0	434	90.5	451	100.1	410	107.0
1700	77197	290	33.4	313	41.1	336	49.4	358	57.8	379	66.3	398	75.7	416	84.6	435	94.5	452	104.3	425	119.0
1800	81738	295	35.9	318	43.9	340	52.0	362	60.7	382	69.6	402	79.3	420	88.9	438	98.8	455	108.6	440	131.8
1900	86279	300	38.4	324	46.7	345	55.3	365	64.2	385	73.4	405	83.4	423	92.8	442	103.1	458	113.6	455	145.9
2000	90820	306	41.2	329	49.7	350	58.7	368	67.8	389	77.0	408	87.1	427	97.1	445	107.7	462	118.2	470	161.0
2200	99902	318	47.2	341	56.2	361	65.7	379	75.7	399	85.2	416	95.8	435	106.0	451	117.2	468	128.2	485	176.7
2400	108984	332	53.8	352	63.5	373	73.5	391	84.0	408	94.7	427	105.5	443	116.0	459	127.4	475	139.0	500	193.8
2600	118066	345	61.4	365	71.8	381	82.3	403	93.0	420	104.0	438	116.0	453	127.3	470	138.8	485	150.6	515	212.0
2800	127148	359	70.0	378	80.8	397	92.0	415	103.4	431	114.5	449	126.5	463	138.0	480	151.8	495	164.0	530	231.5
3000	136230	373	79.4	392	90.7	410	102.0	428	114.6	443	126.5	461	138.6	475	151.5	491	164.5	505	178.0	545	251.0
3200	145312	389	90.0	406	102.0	423	113.4	441	126.2	456	139.0	472	152.1	486	165.3	502	178.8	516	192.5	560	272.0
3400	154394	405	102.0	421	113.8	438	126.0	455	139.0	470	152.5	485	166.6	498	180.0	513	194.0	528	208.0	575	294.0
3600	163476	422	115.2	436	127.9	452	140.0	468	153.4	482	167.5	498	181.5	511	196.0	526	211.0	540	225.2	590	316.0
3800	172558	438	130.1	452	142.7	467	156.0	483	169.1	496	183.9	512	198.0	524	213.0	539	229.0	552	244.5	605	343.0
4000	181640	456	147.0	470	159.0	483	172.0	498	186.6	511	201.2	525	216.0	538	231.6	552	247.0	565	263.2	620	368.0
4200	190722	474	164.3	487	177.1	500	190.6	513	205.5	525	220.5	540	234.5	553	251.0	563	267.0	578	283.5		
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	90820	493	140.0	524	162.2	553	186.0	580	209.5	606	235.0										
2200	99902	499	151.1	529	175.0	558	199.5	585	224.0	610	250.0										
2400	108984	506	163.0	536	188.0	564	213.0	591	239.0	615	266.0										
2600	118066	513	175.5	542	201.3	571	228.0	597	255.5	622	284.0										
2800	127148	523	189.2	548	215.5	578	244.0	604	272.0												
3000	136230	533	204.8	559	232.0	585	259.0	610	289.5												
3200	145312	542	220.7	569	249.0	594	278.0	617	308.0												
3400	154394	554	237.5	580	267.5	604	298.0														
3600	163476	566	256.0	590	287.0	614	319.0														
3800	172558	578	275.0	602	307.0																
4000	181640	589	296.5	613	329.5																
4200	190722	602	319.0																		
4400	199804	616	339.5																		
4800	217968																				
5200	236312																				

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE Damair Single Width Limit Load Type "LL" Fans SIZE**  
**16½** Wheel Diameter 98¼" Overall Wheel Width 44⅝" Outlet Area 55.34 Sq. Ft. **16½**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		7⁄8" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	44271	103	2.65	117	3.67	129	4.76	140	5.87	150	7.07	161	8.33	170	9.63	188	12.33	201	15.2	110	3.38
900	49806	109	3.18	122	4.30	134	5.47	144	6.70	154	7.95	164	9.25	173	10.62	190	13.53	206	16.5	120	4.40
1000	55342	116	3.82	128	5.02	139	6.26	149	7.53	159	8.91	168	10.30	176	11.73	194	14.78	209	17.9	130	5.59
1100	60879	122	4.60	134	5.84	144	7.20	154	8.56	161	10.02	172	11.51	181	13.00	197	16.2	212	19.5	140	6.99
1200	66410	130	5.45	140	6.77	151	8.20	160	9.70	169	11.20	177	12.78	185	14.40	201	17.7	215	21.1	150	8.57
1300	71942	137	6.50	147	7.85	156	9.35	166	10.91	174	12.52	183	14.20	190	15.9	205	19.4	219	23.0	160	10.41
1400	77480	145	7.70	154	9.10	163	10.61	172	12.29	180	13.99	188	15.7	195	17.5	210	21.2	224	25.0	170	12.50
1500	83010	153	9.02	161	10.49	170	12.10	178	13.81	186	15.6	193	17.4	201	19.3	216	23.0	228	27.1	180	14.8
1600	88543	161	10.54	168	12.10	176	13.71	184	15.5	192	17.3	199	19.2	206	21.2	220	25.2	234	29.4	190	17.5
1700	94080	169	12.21	176	13.84	184	15.5	191	17.3	199	19.2	206	21.2	213	23.2	226	27.5	238	31.8	200	20.3
1800	99610	177	14.10	184	15.8	191	17.5	198	19.4	205	21.4	212	23.4	219	25.5	232	29.9	244	34.4	210	23.6
1900	105149	186	16.2	192	18.0	199	19.9	205	21.7	212	23.6	219	25.8	225	28.0	238	32.5	250	37.2	220	27.0
2000	110685	194	18.5	200	20.4	206	22.2	212	24.2	219	26.2	225	28.4	232	30.7	244	35.3	256	40.2	230	31.0
2200	121750	211	23.6	216	25.6	222	27.7	228	30.1	234	32.1	239	34.4	245	36.7	257	41.5	268	46.7	240	35.1
2400	132810	228	29.3	234	31.8	238	34.3	244	36.7	249	39.1	254	41.5	260	43.7	270	48.7	280	54.3	250	39.6
2600	143899	246	36.6	250	39.6	256	42.2	260	44.8	265	47.0	270	49.6	274	52.2	284	57.4	294	62.9	260	44.8
2800	154950	263	45.5	268	47.8	272	51.1	276	53.5	281	56.3	285	59.0	290	61.6	298	66.9	307	72.8	270	50.1
3000	166020	280	55.2	285	56.8	289	61.2	293	63.4	298	66.8	302	69.8	306	72.2	314	77.9	322	84.0	280	55.9
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	77480	249	32.8	273	41.6	295	50.6	315	59.6	334	69.5	352	79.4	370	89.8	387	100.6	403	111.7	290	62.1
1500	83010	253	35.3	276	44.2	298	53.6	318	63.2	337	72.4	355	83.5	372	94.2	389	105.1	405	116.3	300	68.6
1600	88543	257	38.0	279	47.0	301	56.7	321	66.5	340	77.2	358	87.6	375	98.7	392	109.9	407	121.5	310	75.7
1700	94080	262	40.8	284	50.2	304	60.4	324	70.3	343	81.0	360	92.0	377	103.2	394	114.8	409	126.9	320	83.4
1800	99610	267	43.8	288	53.6	308	63.6	327	73.9	346	84.9	363	96.5	380	108.4	396	120.0	411	132.0	330	91.5
1900	105149	272	46.8	293	57.1	312	67.4	331	78.0	349	89.5	367	101.0	383	113.2	400	125.2	414	138.0	340	100.0
2000	110685	278	50.2	298	60.7	316	71.6	335	82.4	352	93.8	369	105.9	387	118.4	402	131.0	417	143.8	350	109.0
2200	121750	288	57.5	308	68.6	326	80.1	344	92.0	361	104.0	376	116.4	394	129.2	408	142.4	423	155.7	360	118.4
2400	132810	301	65.5	319	77.5	338	89.5	354	102.0	370	115.5	386	128.1	401	141.6	415	155.0	429	169.0	370	129.1
2600	143899	312	74.9	331	87.6	348	100.2	365	113.1	380	127.0	395	140.8	410	155.4	424	169.0	438	183.4	380	139.8
2800	154950	326	85.3	344	98.5	360	112.0	375	125.7	390	139.9	406	154.0	420	168.4	433	184.8	446	199.8	390	150.5
3000	166020	338	96.6	356	110.8	372	124.2	386	139.3	401	154.2	416	168.9	431	185.0	443	200.0	457	216.5	400	162.5
3200	177100	352	109.9	368	124.1	384	138.2	398	153.7	413	169.8	427	185.2	441	202.0	453	217.0	466	234.0	410	175.2
3400	188150	367	124.1	382	138.8	397	153.9	411	169.3	425	186.0	438	203.0	452	220.0	463	236.0	477	253.5	420	188.0
3600	199230	382	140.6	396	156.0	410	170.9	423	186.9	438	204.0	450	221.0	464	239.5	475	257.0	487	274.5	430	202.0
3800	210300	398	159.0	410	174.0	424	190.0	437	206.0	450	224.0	462	241.0	475	260.0	487	278.6	498	297.5	440	216.1
4000	221360	413	179.0	425	193.9	438	210.0	450	227.0	464	245.5	475	263.0	488	282.0	499	301.0	510	320.5	450	231.9
4200	232000	428	200.0	440	216.0	451	232.0	463	250.0	475	268.5	488	286.0	500	306.0	509	325.0	522	345.0	460	247.0
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	110685	445	170.2	473	197.5	499	226.5	524	255.0	548	286.0									470	263.0
2200	121750	451	184.0	477	213.0	503	242.5	528	273.0	552	304.5									480	280.0
2400	132810	457	198.5	484	229.0	509	259.5	533	291.5	556	324.0									490	300.0
2600	143899	463	213.5	490	245.0	515	277.5	539	311.0	562	346.0									500	318.0
2800	154950	473	230.5	497	263.0	522	297.0	545	332.0											510	337.0
3000	166020	482	249.0	505	282.0	528	316.0	551	352.0											520	357.0
3200	177100	491	269.0	514	303.0	536	338.0	558	375.0											530	380.0
3400	188150	500	289.0	524	326.0	544	363.0													540	402.0
3600	199230	511	311.0	534	349.0	555	388.0													550	425.0
3800	210300	521	335.0	544	374.0															560	450.0
4000	221360	532	361.0	554	400.0																
4200	232000	544	388.5																		
4400	243500	556	412.0																		
4800	265620																				
5200	287980																				

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered"



**SIZE 18 Wheel Diameter 108<sup>3</sup>/<sub>4</sub>" Overall Wheel Width 49<sup>1</sup>/<sub>4</sub>" Outlet Area 67.80 Sq. Ft. 18**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
800	54240	93	3.24	106	4.46	116	5.81	126	7.18	136	8.64	145	10.20	153	11.80	169	15.10	184	18.6	90	3.08	
900	61020	99	3.89	110	5.26	121	6.68	130	8.20	139	9.73	148	11.33	156	13.00	172	16.6	186	20.3	100	4.21	
1000	67800	105	4.66	116	6.13	126	7.64	135	9.27	143	10.92	151	12.62	159	14.39	175	18.10	189	22.4	110	5.62	
1100	74580	111	5.60	121	7.12	130	8.79	140	10.49	148	12.25	155	14.10	163	15.9	177	19.80	192	23.9	120	7.29	
1200	81360	117	6.65	127	8.26	136	10.0	144	11.87	153	13.70	160	15.6	167	17.60	181	21.6	194	25.9	130	9.27	
1300	88140	124	7.93	133	9.57	141	11.40	150	13.35	157	15.3	165	17.3	172	19.4	185	23.8	198	28.2	140	11.59	
1400	94920	131	9.43	139	11.10	147	12.96	155	15.0	163	17.1	170	19.2	177	21.4	190	25.9	202	30.6	150	14.25	
1500	101700	138	11.00	145	12.80	153	14.8	160	16.9	168	19.0	175	21.3	181	23.6	195	28.2	206	33.2	160	17.3	
1600	108480	145	12.85	152	14.75	159	16.8	166	18.9	173	21.2	180	23.6	187	26.0	199	30.8	212	35.9	170	20.6	
1700	115260	153	14.9	159	16.9	166	19.0	173	21.2	179	23.4	186	26.0	192	28.4	204	33.6	216	38.8	180	24.6	
1800	122040	160	17.2	166	19.3	173	21.4	179	23.8	185	26.2	192	28.6	198	31.2	210	36.6	221	42.4	190	29.0	
1900	128820	168	19.7	174	22.0	180	24.3	185	26.5	192	28.9	198	31.6	203	34.2	214	39.8	226	45.5	200	33.7	
2000	135600	175	22.6	181	24.9	187	27.4	192	29.5	198	32.2	204	34.7	209	37.6	220	43.2	231	49.0	210	39.1	
2200	149160	191	28.8	196	31.4	201	34.0	206	36.8	211	39.2	216	42.0	222	44.9	232	50.7	242	57.2	220	44.9	
2400	162720	206	35.7	211	38.8	216	42.0	220	44.9	225	47.8	230	50.7	234	53.5	244	59.5	254	66.3	230	51.5	
2600	176280	222	44.6	226	48.5	230	51.5	235	54.8	240	57.5	244	60.6	248	63.9	256	70.0	266	76.9	240	58.1	
2800	189840	238	55.6	242	58.3	246	62.4	250	65.3	254	68.8	258	72.3	262	75.5	270	81.7	278	89.0	250	65.8	
3000	203400	253	67.4	258	69.4	261	74.7	264	77.5	268	81.4	273	85.4	276	88.4	284	95.2	291	102.5	260	74.2	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
1400	94920	225	40.3	247	51.0	267	61.9	285	73.4	302	85.1	319	97.5	334	110.2	351	123.5	365	137.2	270	83.4	
1500	101700	229	43.3	250	54.0	269	65.6	288	77.5	305	88.7	321	102.2	336	115.7	353	129.3	367	143.0	280	92.7	
1600	108480	233	46.6	253	57.6	272	69.4	290	81.7	307	94.8	324	107.8	339	121.0	355	135.0	369	149.0	290	103.0	
1700	115200	238	50.0	257	61.4	275	73.8	293	86.2	310	99.3	326	113.0	340	126.7	357	141.0	370	156.	300	113.9	
1800	122040	242	53.6	261	65.6	279	77.9	296	90.9	313	104.1	329	118.5	344	133.0	359	147.6	372	162.	310	125.8	
1900	128820	246	57.4	265	69.8	283	82.6	299	96.0	315	109.8	331	124.0	346	139.0	362	154.	375	170.	320	138.1	
2000	135600	251	61.4	269	74.4	287	87.7	303	101.3	318	115.2	334	130.0	349	145.3	364	161.	378	177.	330	151.8	
2200	149160	261	70.4	279	81.0	296	98.3	312	113.0	326	127.5	341	143.0	356	158.5	370	175.	383	192.	340	166.0	
2400	162720	272	80.1	288	94.7	306	109.5	320	125.2	334	141.7	349	157.3	362	173.6	376	190.	388	208.	350	181.0	
2600	176280	282	91.5	300	107.0	315	122.5	330	138.9	344	155.0	358	173.0	370	190.8	384	207.	396	225.	360	196.1	
2800	189840	294	104.2	310	120.5	326	137.4	340	154.5	354	170.9	367	189.0	379	206.5	392	227.	404	245.	370	214.0	
3000	203400	306	118.1	322	135.2	336	152.2	350	171.3	363	188.5	377	207.	389	226.5	401	246.	413	266.	380	231.5	
3200	216960	318	134.4	334	152.0	347	169.0	361	188.5	374	207.5	386	228.	399	246.1	410	267.	422	288.	390	249.5	
3400	230520	332	151.9	346	169.5	359	188.0	372	208.0	385	227.4	397	249.	409	268.5	419	290.	432	312.	400	270.0	
3600	244080	346	172.0	358	190.3	371	208.4	383	229.	396	250.0	407	271.	419	292.0	429	316.	442	337.	410	290.5	
3800	257640	360	194.0	371	212.1	383	232.1	395	253.0	407	274.0	418	296.	430	318.0	441	342.	452	366.	420	312.0	
4000	271200	374	219.0	384	237.0	396	256.2	407	278.5	419	300.	430	323.5	441	346.0	452	370.	462	394.	430	335.0	
4200	284760	387	246.0	398	265.	409	285.	419	307.0	430	330.	442	351.	453	376.	461	399.	473	424.	440	358.2	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
2000	135600	404	209.	429	243.	452	278.	475	314.	495	352.									450	385.	
2200	149160	408	226.	433	262.	456	298.	479	336.	500	374.									460	411.	
2400	162720	413	244.	438	281.	461	319.	484	359.	504	399.									470	439.	
2600	176280	418	263.	444	301.	466	341.	488	382.	508	426.									480	467.	
2800	189840	428	283.	450	323.	472	365.	494	408.											490	497.	
3000	203400	436	306.	457	347.	478	389.	499	434.											500	527.	
3200	216960	444	330.	466	374.	486	416.	506	460.											510	560.	
3400	230520	453	356.	474	400.	494	446.															
3600	244080	463	383.	483	429.	502	478.															
3800	257640	473	413.	493	458.																	
4000	271200	483	443.	501	494.																	
4200	284760	493	478.																			
4400	298320	504	506.																			
4800	325440																					
5200	352560																					

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE 3 Damair Double Width Limit Load Type "LLD" Fans SIZE 3**

Wheel Diameter 18" Overall Wheel Width 16 7/8" Outlet Area 3.34 Sq. Ft.

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	2675	548	.165	621	.231	688	.301	751	.376	805	.457	859	.537	910	.625	1001	.800	1089	.98	540	.164
900	3011	580	.198	648	.268	712	.344	771	.421	826	.509	878	.598	927	.690	1020	.879	1102	1.07	600	.225
1000	3344	614	.237	678	.312	738	.393	795	.477	847	.565	897	.660	948	.757	1038	.959	1120	1.17	660	.299
1100	3678	648	.280	710	.362	766	.446	821	.537	871	.630	920	.727	967	.829	1056	1.04	1133	1.26	720	.388
1200	4012	683	.330	743	.420	796	.509	847	.603	897	.702	943	.804	986	.910	1076	1.13	1153	1.36	780	.493
1300	4347	719	.388	778	.483	829	.580	877	.678	925	.780	970	.889	1014	.997	1097	1.23	1175	1.47	840	.616
1400	4681	757	.453	813	.554	862	.656	909	.763	954	.870	997	.98	1040	1.09	1120	1.33	1196	1.58	900	.758
1500	5015	795	.525	848	.633	898	.712	942	.853	985	.968	1026	1.08	1068	1.20	1146	1.45	1218	1.71	960	.920
1600	5350	833	.605	882	.724	932	.837	977	.954	1018	1.07	1057	1.19	1096	1.32	1173	1.57	1243	1.85	1020	1.10
1700	5684	875	.693	920	.818	968	.939	1011	1.06	1051	1.19	1088	1.32	1127	1.44	1201	1.71	1270	1.99	1080	1.31
1800	6021	914	.801	959	.926	1003	1.06	1046	1.18	1086	1.32	1124	1.45	1160	1.59	1230	1.86	1296	2.15	1140	1.54
1900	6353	954	.901	998	1.04	1038	1.18	1081	1.32	1120	1.42	1157	1.59	1194	1.73	1260	2.02	1326	2.31	1200	1.80
2000	6687	997	1.02	1038	1.16	1077	1.30	1116	1.46	1156	1.59	1192	1.74	1227	1.89	1293	2.19	1355	2.50	1260	2.08
2200	7356	1079	1.30	1117	1.45	1156	1.60	1189	1.77	1226	1.92	1262	2.08	1296	2.21	1360	2.57	1420	2.90	1320	2.39
2400	8024	1163	1.63	1199	1.79	1235	1.94	1268	2.12	1300	2.31	1333	2.48	1368	2.64	1429	2.90	1486	3.36	1380	2.73
2600	8693	1249	2.02	1283	2.15	1314	2.35	1384	2.52	1379	2.72	1406	2.92	1439	3.10	1500	3.17	1555	3.86	1440	3.11
2800	9362	1336	2.45	1367	2.63	1394	2.83	1428	3.01	1458	3.21	1485	3.41	1513	3.63	1570	4.03	1625	4.43	1500	3.51
3000	10030	1420	2.98	1450	3.14	1480	3.34	1508	3.57	1556	3.75	1563	3.97	1590	4.20	1642	4.64	1695	5.07	1560	3.95
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	4681	1336	2.12	1463	2.69	1579	3.27	1691	3.90	1791	4.51	1888	5.15	1975	5.80	2062	6.50	2142	7.19	1620	4.42
1500	5015	1355	2.26	1480	2.85	1596	3.46	1702	4.11	1810	4.76	1900	5.43	1986	6.11	2078	6.81	2160	7.52	1680	4.93
1600	5350	1376	2.41	1503	3.02	1610	3.66	1718	4.30	1821	5.00	1920	5.70	2008	6.40	2095	7.14	2179	7.87	1740	5.48
1700	5684	1395	2.58	1520	3.20	1633	3.87	1737	4.55	1838	5.24	1930	5.97	2021	6.71	2107	7.45	2190	8.24	1800	6.07
1800	6021	1423	2.75	1542	3.39	1651	4.07	1756	4.78	1854	5.51	1948	6.26	2039	7.02	2128	7.80	2208	8.59	1860	6.70
1900	6353	1449	2.94	1556	3.60	1676	4.29	1777	5.03	1873	5.78	1962	6.55	2052	7.34	2145	8.15	2223	8.96	1920	7.36
2000	6687	1476	3.14	1589	3.82	1694	4.51	1794	5.28	1895	6.05	1990	6.84	2075	7.66	2158	8.49	2240	9.35	1980	8.07
2200	7356	1531	3.57	1641	4.30	1741	5.04	1840	5.82	1934	6.63	2026	7.45	2110	8.34	2198	9.21	2271	10.10	2040	8.83
2400	8024	1592	4.07	1695	4.83	1795	5.61	1886	6.43	1974	7.27	2063	8.13	2154	9.04	2235	9.95	2305	11.00	2100	9.63
2600	8693	1659	4.63	1754	5.42	1850	6.24	1940	7.11	2028	7.98	2105	8.89	2196	9.80	2279	10.77	2350	11.75	2160	10.48
2800	9362	1724	5.25	1818	6.10	1906	6.96	1994	7.84	2080	8.76	2162	9.70	2238	10.68	2317	11.66	2392	12.65	2220	11.38
3000	10030	1794	5.94	1884	6.82	1969	7.75	2052	8.64	2135	9.58	2217	10.58	2290	11.60	2365	12.62	2436	13.70	2280	12.33
3200	10699	1864	6.69	1950	7.63	2037	8.56	2114	9.52	2192	10.52	2267	11.52	2345	12.58	2420	13.67	2486	14.80	2340	13.33
3400	11368	1936	7.51	2022	8.49	2103	9.50	2176	10.55	2256	11.56	2330	12.57	2402	13.65	2470	14.80	2540	15.90	2400	14.37
3600	12042	2008	8.45	2092	9.45	2172	10.52	2248	11.60	2320	12.69	2390	13.78	2460	14.88	2534	16.0	2592	17.20	2460	15.48
3800	12705	2077	9.45	2162	10.52	2240	11.58	2314	12.70	2388	13.81	2455	14.99	2520	16.14	2587	17.3	2642	18.50	2520	16.63
4000	13374	2155	10.48	2231	11.66	2312	12.72	2394	13.90	2452	15.15	2522	16.27	2587	17.52	2648	18.7	2710	20.0	2580	17.86
4200	14040	2230	11.58	2305	12.86	2380	14.05	2455	15.22	2522	16.50	2588	17.71	2648	19.00	2715	20.2	2775	21.5	2640	19.14
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	6687	2398	11.07	2538	12.87	2672	14.7	2794	16.52	2905	18.42	3030	20.4	3141	22.45	3258	24.5	3353	26.6	2700	20.5
2200	7356	2420	11.92	2562	13.82	2700	15.75	2830	17.73	2942	19.77	3064	21.8	3170	23.85	3277	26.1	3380	28.2	2760	21.9
2400	8024	2459	12.83	2600	14.83	2740	16.90	2860	18.95	2977	21.06	3098	23.2	3206	25.50	3320	27.6	3418	30.0	2820	23.3
2600	8693	2490	13.75	2632	15.85	2756	18.0	2892	20.2	3013	22.4	3130	24.7	3253	27.03	3342	29.4	3445	31.8	2880	24.8
2800	9362	2532	14.80	2672	17.00	2802	19.2	2926	21.5	3046	23.8	3158	26.2	3270	28.6	3380	31.1	3472	33.6	2940	26.4
3000	10030	2574	15.85	2710	18.10	2842	20.5	2960	22.8	3079	25.2	3192	27.7	3300	30.2	3403	32.8	3520	35.4	3000	28.1
3200	10699	2618	17.05	2752	19.30	2880	21.7	3006	24.2	3120	26.8	3220	29.3	3338	32.0	3441	34.6	3542	37.2	3060	29.8
3400	11368	2670	18.25	2790	20.60	2920	23.0	3040	25.6	3161	28.2	3266	31.0	3379	33.6	3475	36.4	3578	39.2	3120	31.6
3600	12042	2724	19.60	2846	22.0	2962	24.6	3084	27.1	3210	29.8	3302	32.6	3418	35.4	3515	38.2			3180	33.4
3800	12705	2776	21.0	2898	23.5	3012	26.1	3112	28.8	3240	31.5	3352	34.3	3452	37.2	3558	40.3			3240	35.4
4000	13374	2830	22.5	2952	25.1	3068	27.8	3178	30.6	3280	33.3	3388	36.1	3500	39.2	3593	42.1			3300	37.4
4200	14040	2890	24.1	3002	26.8	3020	29.6	3220	32.4	3325	35.3	3430	38.4	3539	41.2					3360	39.4
4400	14712	2950	25.9	3062	28.6	3106	31.4	3282	34.4	3380	37.4	3482	40.3	3580	43.4					3420	41.6
4800	16048	3080	29.8	3184	32.6	3200	35.5	3390	38.6	3490	41.8	3590	44.9							3480	43.9
5200	17386	3214	34.0	3318	37.0	3414	40.3	3508	43.4	3602	46.6									3540	46.1

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE Damair Double Width Limit Load Type "LLD" Fans SIZE**  
**3 1/4** Wheel Diameter 20" Overall Wheel Width 18 1/8" Outlet Area 4.13 Sq. Ft. **3 1/4**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	3302	493	.204	559	.285	619	.372	677	.464	725	.564	774	.664	819	.773	905	.989	980	1.22	490	.208
900	3715	522	.244	583	.331	641	.425	694	.524	744	.629	791	.739	835	.852	919	1.08	992	1.33	545	.286
1000	4128	553	.292	610	.383	665	.485	716	.589	763	.698	808	.815	853	.935	935	1.19	1007	1.44	600	.382
1100	4540	583	.346	639	.447	690	.550	739	.664	784	.778	828	.898	870	1.02	950	1.28	1020	1.56	655	.497
1200	4953	615	.408	669	.519	716	.629	763	.745	808	.865	849	.993	888	1.12	968	1.40	1040	1.68	710	.632
1300	5366	647	.479	700	.596	746	.716	790	.837	833	.962	873	1.10	914	1.23	986	1.51	1057	1.81	765	.791
1400	5779	681	.559	731	.683	776	.810	819	.940	859	1.07	898	1.21	936	1.35	1008	1.64	1076	1.95	820	.962
1500	6191	716	.649	763	.782	808	.916	848	1.05	886	1.18	923	1.34	961	1.48	1030	1.79	1097	2.11	875	1.18
1600	6604	749	.748	794	.893	839	1.03	879	1.18	916	1.32	952	1.47	986	1.63	1055	1.94	1119	2.28	930	1.42
1700	7017	788	.855	829	1.01	872	1.16	910	1.31	946	1.47	980	1.63	1015	1.78	1082	2.11	1142	2.46	985	1.69
1800	7430	823	.990	864	1.14	903	1.30	941	1.46	977	1.62	1012	1.79	1044	1.96	1108	2.29	1165	2.65	1040	1.99
1900	7842	860	1.11	898	1.28	932	1.46	974	1.62	1008	1.79	1042	1.97	1076	2.14	1134	2.49	1192	2.85	1095	2.32
2000	8255	898	1.25	935	1.43	966	1.62	1004	1.81	1041	1.96	1072	2.15	1105	2.34	1164	2.70	1220	3.08	1150	2.69
2200	9081	972	1.61	1006	1.79	1040	1.98	1070	2.18	1103	2.38	1136	2.57	1166	2.77	1226	3.17	1278	3.58	1205	3.09
2400	9906	1048	2.01	1079	2.21	1112	2.40	1141	2.62	1170	2.85	1200	3.06	1231	3.26	1286	3.69	1336	4.15	1260	3.54
2600	10732	1124	2.50	1156	2.66	1182	2.90	1213	3.11	1241	3.36	1264	3.61	1295	3.83	1350	4.29	1399	4.77	1315	4.01
2800	11557	1202	3.03	1230	3.24	1257	3.50	1285	3.72	1312	3.96	1337	4.21	1362	4.49	1413	4.98	1461	5.46	1370	4.58
3000	12383	1278	3.68	1305	3.88	1332	4.13	1357	4.41	1382	4.63	1408	4.90	1431	5.19	1478	5.74	1528	6.26	1425	5.11
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	5779	1201	2.62	1317	3.31	1420	4.03	1523	4.82	1612	5.57	1700	6.36	1777	7.16	1858	8.01	1930	8.89	1480	5.73
1500	6191	1219	2.79	1331	3.52	1435	4.27	1533	5.07	1628	5.88	1710	6.70	1786	7.55	1870	8.40	1945	9.29	1535	6.40
1600	6604	1238	2.98	1352	3.72	1449	4.52	1548	5.31	1640	6.18	1729	7.04	1808	7.90	1887	8.82	1960	9.72	1590	7.11
1700	7017	1255	3.18	1368	3.95	1469	4.77	1562	5.62	1653	6.48	1739	7.37	1819	8.29	1897	9.20	1970	10.17	1645	7.88
1800	7430	1280	3.40	1387	4.19	1486	5.03	1580	5.91	1669	6.80	1753	7.73	1834	8.67	1918	9.63	1989	10.60	1700	8.68
1900	7842	1303	3.63	1400	4.45	1508	5.30	1602	6.21	1686	7.14	1768	8.08	1847	9.06	1931	10.07	2001	11.07	1755	9.55
2000	8255	1328	3.88	1429	4.71	1524	5.56	1616	6.52	1705	7.47	1791	8.45	1868	9.45	1942	10.49	2018	11.54	1810	10.49
2200	9081	1378	4.41	1477	5.31	1567	6.23	1656	7.18	1740	8.19	1823	9.20	1900	10.30	1979	11.37	2043	12.48	1865	11.47
2400	9906	1432	5.03	1524	5.96	1615	6.93	1698	7.93	1777	8.98	1858	10.04	1938	11.16	2012	12.29	2076	13.6	1920	12.50
2600	10732	1491	5.71	1578	6.70	1664	7.70	1746	8.79	1826	9.85	1897	10.97	1974	12.10	2050	13.3	2114	14.5	1975	13.60
2800	11557	1551	6.48	1636	7.53	1714	8.59	1796	9.67	1871	10.69	1948	11.98	2014	13.20	2083	14.4	2152	15.6	2030	14.79
3000	12383	1614	7.33	1696	8.42	1770	9.56	1846	10.7	1922	11.82	1995	13.07	2060	14.32	2130	15.6	2194	16.9	2085	16.0
3200	13208	1678	8.26	1754	9.42	1824	10.57	1904	11.75	1970	12.98	2042	14.22	2110	15.5	2180	16.88	2238	18.25	2140	17.3
3400	14034	1741	9.26	1819	10.48	1891	11.72	1960	13.05	2030	14.26	2100	15.56	2160	16.8	2222	18.28	2284	19.7	2195	18.7
3600	14859	1808	10.42	1882	11.67	1952	12.98	2024	14.3	2088	15.7	2152	17.00	2218	18.4	2280	19.8	2330	21.2	2250	20.1
3800	15685	1868	11.67	1945	12.98	2015	14.30	2084	15.71	2150	17.1	2210	18.5	2268	19.9	2330	21.4	2384	22.8	2305	21.6
4000	16510	1940	12.93	2008	14.40	2080	15.7	2144	17.2	2205	18.7	2273	20.1	2327	21.6	2382	23.1	2440	24.7	2360	23.2
4200	17337	2007	14.30	2076	15.88	2142	17.35	2210	18.8	2272	20.4	2333	21.85	2384	23.45	2442	24.95	2498	26.0	2415	24.8
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	8255	2159	13.65	2282	15.9	2403	18.15	2517	20.4	2620	22.7	2725	25.2	2825	27.7	2930	30.3	3017	32.8	2470	26.6
2200	9081	2179	14.72	2306	17.1	2432	19.45	2546	21.9	2650	24.4	2760	26.9	2855	29.45	2945	32.2	3040	34.8	2525	28.4
2400	9906	2215	15.8	2340	18.4	2465	20.85	2577	23.4	2680	26.0	2788	28.6	2885	31.5	2986	34.1	3076	37.0	2580	30.3
2600	10732	2240	17.0	2366	19.6	2480	22.3	2600	25.0	2712	27.65	2816	30.6	2924	33.4	3007	36.3	3100	39.3	2635	32.2
2800	11557	2278	18.3	2402	21.0	2520	23.7	2634	26.5	2740	29.4	2840	32.3	2941	35.3	3041	38.4	3121	41.5	2690	34.4
3000	12383	2316	19.6	2438	22.3	2556	25.3	2662	28.2	2772	31.1	2870	34.2	2970	37.3	3062	40.5	3168	43.7	2745	36.6
3200	13208	2356	21.0	2476	23.9	2592	26.8	2704	29.8	2805	33.0	2898	36.2	3010	39.5	3100	42.7	3190	46.0	2800	38.8
3400	14034	2402	22.5	2510	25.5	2626	28.4	2736	31.6	2844	34.8	2938	38.2	3040	41.5	3125	45.0	3220	48.4	2855	41.1
3600	14859	2452	24.2	2560	27.2	2664	30.3	2774	33.5	2890	36.8	2972	40.3	3078	43.7	3160	47.2			2910	43.6
3800	15685	2498	26.0	2606	29.1	2706	32.2	2800	35.6	2918	38.9	3016	42.4	3102	46.0	3200	49.8			2965	46.0
4000	16510	2544	27.8	2656	31.1	2762	34.3	2858	37.7	2955	41.1	3048	44.5	3150	48.4	3234	52.0			3020	48.6
4200	17336	2600	29.8	2700	33.1	2805	36.6	2900	40.0	2995	43.6	3085	47.4	3182	50.9					3075	51.4
4400	18162	2656	31.9	2756	35.3	2848	38.8	2954	42.5	3041	46.2	3134	49.8	3221	53.6					3130	54.2
4800	19812	2772	37.7	2864	40.3	2960	43.8	3048	47.7	3140	51.6	3230	55.5							3185	57.0
5200	21464	2892	42.0	2982	45.7	3070	49.7	3156	53.6	3240	57.5									3240	60.0

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered



**SIZE Damair Double Width Limit Load Type "LLD" Fans SIZE**  
**3 3/4** Wheel Diameter 22 1/4" Overall Wheel Width 20 1/8" Outlet Area 5.09 Sq. Ft. **3 3/4**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
800	4075	443	.252	503	.352	557	.459	608	.573	652	.697	696	.820	737	.954	813	1.22	881	1.50	440	.257	
900	4585	469	.302	524	.408	576	.524	624	.646	669	.776	711	.913	751	1.05	825	1.34	893	1.64	490	.355	
1000	5094	497	.362	548	.475	597	.599	643	.728	686	.863	726	1.01	767	1.16	840	1.46	906	1.78	540	.475	
1100	5603	524	.427	575	.551	620	.680	664	.819	705	.961	745	1.11	783	1.27	855	1.59	916	1.92	590	.620	
1200	6113	553	.504	601	.640	644	.776	686	.920	726	1.07	763	1.23	799	1.39	870	1.72	935	2.08	640	.790	
1300	6622	582	.592	629	.736	671	.884	710	1.03	749	1.19	785	1.36	821	1.52	887	1.87	952	2.24	690	.991	
1400	7132	613	.691	658	.845	698	1.00	736	1.16	772	1.33	807	1.50	841	1.67	906	2.03	969	2.41	740	1.22	
1500	7641	644	.801	686	.965	726	1.13	763	1.30	797	1.48	830	1.65	865	1.83	926	2.21	986	2.61	790	1.49	
1600	8150	674	.924	714	1.10	754	1.28	791	1.45	824	1.64	855	1.82	886	2.01	950	2.40	1008	2.82	840	1.79	
1700	8660	708	1.06	745	1.25	783	1.43	818	1.62	850	1.81	880	2.01	911	2.20	972	2.60	1029	3.04	890	2.12	
1800	9169	740	1.22	776	1.41	812	1.61	846	1.80	878	2.01	910	2.21	939	2.42	995	2.83	1049	3.28	940	2.50	
1900	9679	772	1.37	808	1.58	840	1.80	875	2.00	906	2.21	936	2.43	966	2.64	1020	3.08	1072	3.52	990	2.92	
2000	10188	806	1.55	840	1.76	873	2.00	903	2.22	935	2.43	964	2.66	993	2.89	1047	3.34	1098	3.81	1040	3.39	
2200	11207	873	1.98	904	2.21	935	2.44	963	2.70	991	2.94	1021	3.17	1048	3.42	1102	3.91	1150	4.42	1090	3.90	
2400	12226	941	2.49	971	2.74	999	2.96	1026	3.23	1052	3.53	1079	3.78	1107	4.03	1157	4.56	1203	5.12	1140	4.47	
2600	13244	1011	3.08	1038	3.28	1063	3.58	1090	3.84	1116	4.15	1137	4.46	1163	4.73	1213	5.29	1260	5.89	1190	5.08	
2800	14263	1081	3.74	1106	4.00	1130	4.31	1156	4.59	1180	4.89	1201	5.20	1223	5.54	1271	6.15	1317	6.76	1240	5.75	
3000	15282	1149	4.55	1173	4.79	1198	5.09	1220	5.44	1242	5.72	1265	6.06	1288	6.41	1330	7.08	1371	7.73	1290	6.47	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
1400	7132	1081	3.23	1186	4.09	1279	4.98	1368	5.96	1450	6.87	1526	7.86	1599	8.85	1669	9.90	1732	10.97	1340	7.25	
1500	7641	1097	3.44	1198	4.35	1292	5.27	1377	6.26	1466	7.25	1535	8.30	1608	9.32	1680	10.40	1747	11.47	1390	8.09	
1600	8150	1113	3.67	1218	4.60	1303	5.58	1392	6.56	1475	7.63	1552	8.70	1627	9.76	1692	10.92	1761	12.00	1440	9.00	
1700	8660	1130	3.93	1231	4.88	1323	5.89	1403	6.95	1488	8.00	1561	9.11	1637	10.22	1704	11.37	1770	12.58	1490	9.97	
1800	9169	1152	4.19	1249	5.17	1338	6.21	1422	7.30	1502	8.40	1575	9.55	1650	10.71	1720	11.90	1787	13.10	1540	11.01	
1900	9679	1173	4.48	1260	5.49	1357	6.55	1437	7.67	1517	8.81	1587	10.00	1660	11.20	1736	12.47	1800	13.67	1590	12.12	
2000	10188	1195	4.79	1287	5.81	1372	6.88	1452	8.09	1535	9.23	1610	10.42	1680	11.68	1746	12.96	1811	14.27	1640	13.30	
2200	11207	1240	5.44	1329	6.56	1410	7.69	1490	8.88	1567	10.12	1639	11.37	1709	12.72	1778	14.04	1836	15.43	1690	14.55	
2400	12226	1290	6.21	1372	7.36	1452	8.55	1526	9.85	1600	11.09	1670	12.40	1743	13.74	1808	15.18	1865	16.7	1740	15.9	
2600	13244	1343	7.06	1420	8.26	1498	9.52	1570	10.9	1642	12.17	1702	13.57	1778	14.95	1841	16.42	1904	17.9	1790	17.3	
2800	14263	1398	8.00	1472	9.30	1542	10.62	1614	12.0	1683	13.37	1749	14.80	1812	16.30	1871	17.8	1938	19.3	1840	18.8	
3000	15282	1453	9.06	1527	10.40	1594	11.82	1660	13.2	1730	14.61	1791	16.15	1854	17.70	1912	19.26	1972	20.9	1890	20.4	
3200	16301	1510	10.20	1578	11.63	1648	13.06	1710	14.5	1774	16.1	1833	17.60	1898	19.2	1957	20.9	2016	22.6	1940	22.0	
3400	17320	1567	11.44	1638	12.94	1703	14.49	1760	16.1	1827	17.6	1883	19.2	1945	20.8	1999	22.6	2058	24.3	1990	23.7	
3600	18338	1628	12.89	1692	14.42	1759	16.0	1820	17.7	1880	19.4	1931	21.05	1992	22.7	2048	24.4	2098	26.2	2040	25.6	
3800	19357	1681	14.42	1750	16.0	1812	17.7	1872	19.45	1933	21.1	1982	22.9	2040	24.6	2093	26.4	2144	28.2	2090	27.5	
4000	20676	1746	16.0	1807	17.8	1871	19.4	1928	21.30	1984	23.1	2040	24.8	2094	26.7	2141	28.6	2196	30.6	2140	29.6	
4200	21390	1801	17.67	1865	19.6	1923	21.4	1982	23.22	2040	25.2	2093	27.0	2140	29.0	2195	30.8	2240	32.8	2190	31.7	
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load		
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM
2000	10188	1940	16.9	2052	19.65	2160	22.4	2260	25.2	2355	28.1	2453	31.2	2542	34.3	2637	37.4	2715	40.6	2240	33.9	
2200	11207	1957	18.2	2073	21.1	2182	24.0	2290	27.0	2382	30.2	2480	33.2	2563	36.4	2652	39.8	2738	43.0	2290	36.2	
2400	12226	1988	19.6	2102	22.6	2216	25.8	2315	28.9	2406	32.2	2504	35.4	2598	38.9	2685	42.1	2764	45.8	2340	38.6	
2600	13244	2018	21.0	2130	24.2	2234	27.5	2340	30.9	2435	34.2	2536	37.7	2633	41.3	2703	44.9	2788	48.5	2390	41.2	
2800	14263	2050	22.6	2162	25.8	2270	29.3	2372	32.7	2462	36.3	2558	39.9	2645	43.6	2737	47.5	2810	51.3	2440	43.9	
3000	15282	2084	24.2	2194	27.6	2302	31.3	2396	34.8	2492	38.4	2584	42.3	2671	46.1	2758	50.0	2848	54.0	2490	46.6	
3200	16301	2120	25.9	2226	29.4	2332	33.1	2436	36.8	2524	40.7	2606	44.8	2700	48.9	2783	52.8	2866	56.8	2540	49.5	
3400	17320	2162	27.9	2260	31.4	2364	35.1	2462	39.1	2580	43.0	2646	47.1	2737	51.2	2812	55.5	2895	59.8	2590	52.4	
3600	18338	2206	30.0	2304	33.6	2398	37.6	2498	41.4	2600	45.5	2676	49.7	2762	54.0	2842	58.3			2640	55.5	
3800	19357	2248	32.1	2346	35.9	2438	39.8	2520	43.9	2622	48.0	2714	52.4	2794	56.8	2880	61.5			2690	58.7	
4000	20376	2292	34.4	2390	38.4	2484	42.3	2574	46.5	2657	50.8	2744	55.1	2835	59.9	2905	64.2			2740	62.0	
4200	21390	2338	36.8	2428	40.9	2522	45.2	2603	49.5	2690	53.9	2775	58.3	2860	62.9					2790	65.5	
4400	22414	2388	39.5	2480	43.7	2564	47.8	2658	52.5	2738	57.0	2820	61.5	2898	66.2					2840	69.2	
4800	24452	2496	45.5	2580	49.7	2664	54.3	2744	59.0	2823	63.8	2904	68.4							2890	72.8	
5200	26488	2602	51.9	2686	56.5	2764	66.1	2840	66.1													

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE Damair Double Width Limit Load Type "LLD" Fans SIZE**

**4** Wheel Diameter 24½" Overall Wheel Width 22¾" Outlet Area 6.19 Sq. Ft. **4**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		⅞" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	4955	400	.289	455	.408	505	.534	551	.668	595	.811	636	.959	675	1.12	746	1.44	811	1.79	400	.312
900	5580	422	.345	474	.473	521	.609	565	.750	606	.901	647	1.06	686	1.22	754	1.56	823	1.92	440	.415
1000	6190	443	.409	493	.547	539	.693	581	.845	621	1.00	659	1.17	695	1.34	765	1.70	829	2.08	480	.539
1100	6820	467	.484	515	.631	559	.786	600	.950	638	1.12	674	1.29	710	1.47	776	1.84	838	2.24	520	.687
1200	7440	492	.570	537	.725	579	.891	619	1.06	656	1.24	690	1.42	725	1.61	790	2.00	850	2.41	560	.860
1300	8055	518	.669	560	.835	601	1.01	639	1.19	675	1.38	709	1.57	741	1.77	804	2.17	863	2.60	600	1.06
1400	8675	545	.785	586	.955	623	1.14	660	1.33	695	1.53	728	1.73	760	1.94	820	2.36	876	2.81	640	1.28
1500	9290	573	.915	610	1.09	646	1.29	683	1.48	716	1.69	747	1.90	780	2.12	840	2.56	893	3.03	680	1.54
1600	9910	602	1.06	636	1.24	672	1.44	705	1.65	738	1.87	769	2.09	799	2.32	857	2.78	910	3.26	720	1.83
1700	10530	628	1.21	664	1.41	697	1.62	728	1.84	761	2.06	791	2.29	821	2.52	877	3.01	928	3.52	760	2.15
1800	11160	660	1.40	691	1.60	722	1.81	754	2.04	784	2.27	813	2.51	842	2.76	896	3.26	946	3.79	800	2.50
1900	11790	690	1.61	720	1.81	749	2.03	779	2.26	808	2.51	836	2.75	864	3.01	918	3.53	966	4.08	840	2.90
2000	12400	721	1.82	749	2.04	775	2.26	805	2.51	833	2.75	859	3.02	885	3.27	938	3.82	987	4.32	880	3.33
2200	13630	783	2.33	808	2.56	832	2.61	859	3.06	884	3.31	910	3.60	935	3.88	984	4.44	1030	5.04	920	3.81
2400	14890	845	2.92	868	3.18	891	3.44	914	3.71	938	3.98	960	4.26	984	4.56	1030	5.17	1075	5.80	960	4.32
2600	16110	908	3.61	930	3.90	950	4.19	973	4.46	993	4.74	1015	5.04	1037	5.35	1079	6.0	1120	6.68	1000	4.88
2800	17350	971	4.45	990	4.75	1011	5.01	1030	5.34	1051	5.63	1071	5.93	1090	6.28	1130	6.91	1171	7.64	1040	5.48
3000	18590	1033	5.40	1055	5.68	1071	6.00	1090	6.33	1110	6.64	1129	6.97	1146	7.31	1183	7.98	1221	8.73	1080	6.15
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	8675	982	3.75	1080	4.76	1171	5.84	1255	6.95	1331	8.09	1410	9.55	1474	10.57	1544	11.81	1610	13.2	1120	6.87
1500	9290	995	4.00	1090	5.04	1181	6.14	1268	7.30	1340	8.49	1420	9.71	1488	11.01	1558	12.41	1620	13.7	1160	7.63
1600	9910	1010	4.27	1101	5.35	1191	6.48	1272	7.67	1350	8.93	1423	10.2	1491	11.50	1560	12.9	1621	14.3	1200	8.45
1700	10530	1025	4.56	1117	5.67	1202	6.83	1282	8.06	1360	9.33	1431	10.65	1503	12.02	1568	13.4	1630	14.8	1240	9.34
1800	11160	1042	4.88	1130	6.00	1217	7.21	1294	8.48	1370	9.77	1447	11.1	1510	12.50	1582	13.95	1645	15.44	1280	10.28
1900	11790	1060	5.21	1147	6.37	1229	7.60	1309	8.90	1381	10.23	1452	11.6	1520	13.06	1590	14.55	1650	16.01	1320	11.22
2000	12400	1079	5.55	1162	6.75	1240	8.00	1318	9.36	1392	10.70	1464	12.1	1530	13.59	1595	15.15	1658	16.65	1360	12.30
2200	13630	1118	6.29	1200	7.60	1278	8.93	1348	10.32	1421	11.73	1482	13.25	1552	14.71	1618	16.3	1680	17.9	1400	13.42
2400	14890	1159	7.12	1239	8.50	1312	9.95	1380	11.38	1450	12.85	1515	14.4	1580	16.0	1640	17.7	1700	19.3	1440	14.6
2600	16110	1202	8.06	1278	9.70	1350	11.00	1418	12.56	1482	14.13	1542	15.7	1609	17.4	1665	19.1	1726	20.8	1480	15.9
2800	17350	1249	9.09	1321	10.62	1390	12.20	1456	13.85	1520	15.5	1580	17.2	1640	18.9	1700	20.7	1752	22.5	1520	17.2
3000	18590	1294	10.29	1365	11.84	1433	13.49	1494	15.20	1560	16.9	1620	18.7	1676	20.5	1735	22.4	1786	24.3	1560	18.6
3200	19810	1343	11.55	1410	13.20	1478	14.94	1538	16.72	1598	18.5	1658	20.4	1713	22.2	1768	24.2	1820	26.1	1600	20.0
3400	21040	1393	12.93	1459	14.70	1520	16.5	1582	18.34	1642	20.2	1700	22.15	1758	24.1	1815	26.0	1856	28.2	1640	21.5
3600	22300	1446	14.50	1509	16.3	1565	18.2	1626	20.10	1682	22.1	1740	24.0	1790	26.1	1851	28.2	1892	30.4	1680	23.2
3800	23540	1498	16.3	1559	18.1	1616	20.1	1672	22.0	1728	24.1	1784	26.3	1835	28.2	1880	30.4	1932	32.7	1720	24.9
4000	24780	1551	18.1	1610	20.1	1666	22.0	1718	24.2	1771	26.1	1825	28.2	1875	30.5	1930	32.8	1974	35.1	1760	26.6
4200	25840	1610	20.4	1660	22.1	1720	24.1	1773	26.3	1825	28.6	1870	30.5	1920	33.1	1970	35.3	2020	37.6	1800	28.4
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	12400	1778	19.8	1887	23.1	1970	26.4	2090	30.1	2180	33.7	2270	37.5	2360	41.4	2445	45.3	2520	49.3	1840	30.4
2200	13630	1798	21.2	1910	24.7	2010	28.2	2110	32.0	2200	35.6	2290	39.6	2375	43.6	2460	47.8	2540	51.9	1880	32.4
2400	14890	1820	22.8	1928	26.4	2030	30.1	2125	33.9	2220	37.8	2315	41.9	2400	46.0	2480	50.3	2560	54.6	1920	34.6
2600	16110	1836	24.4	1944	28.1	2042	32.0	2140	35.9	2235	40.0	2322	44.2	2410	48.3	2490	52.9	2575	57.3	1960	36.8
2800	17350	1860	26.1	1964	30.0	2062	34.0	2160	38.1	2255	42.3	2342	46.7	2430	51.1	2515	55.5	2582	60.1	2000	39.0
3000	18590	1890	28.0	1990	32.0	2090	36.2	2180	40.3	2275	44.6	2362	49.1	2445	53.8	2530	58.5	2610	63.4	2040	41.4
3200	19810	1920	30.1	2020	34.2	2116	38.4	2202	42.8	2300	47.3	2382	51.8	2470	56.6	2540	61.5	2625	66.5	2080	43.9
3400	21040	1952	32.4	2050	36.5	2140	40.8	2234	45.4	2320	50.0	2404	54.6	2495	59.5	2565	64.5	2645	69.6	2120	46.5
3600	22300	1990	34.6	2084	39.1	2174	43.5	2260	48.0	2345	52.8	2434	57.6	2515	62.8	2590	67.9			2160	49.2
3800	23540	2032	37.1	2120	41.7	2210	46.3	2294	51.0	2375	55.9	2458	60.7	2540	65.8	2615	71.3			2200	52.0
4000	24780	2066	39.6	2158	44.4	2242	49.2	2324	54.0	2402	58.8	2480	64.0	2560	69.2	2640	74.6			2240	54.9
4200	25840	2105	42.4	2208	47.2	2285	52.2	2362	57.5	2440	62.6	2520	67.7	2595	73.0					2280	57.7
4400	27070	2144	45.3	2236	50.3	2320	54.7	2400	60.8	2475	66.4	2556	71.4	2630	77.1					2320	60.8
4800	29530	2236	51.7	2318	57.0	2400	62.5	2478	68.0	2550	73.7	2624	79.5							2380	65.6
5200	31990	2328	58.8	2404	64.5	2480	70.3	2556	77.5	2630	82.3									2440	70.8

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered





# SIZE 5 Damair Double Width Limit Load Type "LLD" Fans SIZE 5

Wheel Diameter 30" Overall Wheel Width 27" Outlet Area 9.27 Sq. Ft.

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	7416	326	.434	371	.612	412	.801	450	1.00	486	1.22	520	1.44	551	1.67	610	2.16	662	2.67	325	.464
900	8343	344	.517	387	.710	425	.914	461	1.13	496	1.35	528	1.59	560	1.83	616	2.34	672	2.88	360	.627
1000	9270	362	.613	403	.820	444	1.04	474	1.27	507	1.50	539	1.75	568	2.01	625	2.55	676	3.12	395	.830
1100	10197	382	.725	421	.946	456	1.18	490	1.43	520	1.68	550	1.93	580	2.20	635	2.76	684	3.36	430	1.07
1200	11124	402	.855	439	1.09	473	1.34	505	1.60	536	1.86	564	2.14	591	2.41	645	3.00	694	3.62	465	1.35
1300	12051	423	1.00	458	1.25	491	1.51	521	1.78	551	2.06	579	2.36	605	2.65	656	3.26	705	3.90	500	1.69
1400	12978	445	1.18	478	1.43	509	1.70	539	1.99	567	2.29	595	2.59	620	2.90	669	3.54	716	4.21	535	2.06
1500	13905	467	1.37	499	1.63	529	1.93	558	2.22	585	2.53	610	2.85	636	3.17	685	3.84	728	4.54	570	2.50
1600	14832	491	1.59	519	1.86	549	2.16	575	2.47	603	2.80	628	3.13	652	3.47	700	4.16	743	4.89	605	2.99
1700	15759	514	1.83	541	2.12	568	2.42	595	2.76	621	3.08	646	3.43	670	3.78	716	4.51	757	5.28	640	3.52
1800	16686	539	2.10	565	2.40	590	2.72	615	3.06	640	3.41	664	3.76	687	4.14	731	4.88	773	5.68	675	4.15
1900	17613	564	2.41	587	2.72	611	3.04	636	3.38	659	3.76	683	4.12	705	4.51	749	5.29	789	6.11	710	4.82
2000	18540	589	2.73	611	3.06	634	3.39	656	3.76	680	4.13	701	4.52	724	4.90	766	5.72	806	6.56	745	5.58
2200	20394	639	3.49	659	3.84	680	4.21	700	4.58	722	4.96	743	5.39	764	5.80	803	6.65	840	7.57	780	6.40
2400	22248	690	4.38	709	4.78	728	5.16	746	5.57	765	5.97	784	6.40	803	6.84	841	7.76	877	8.70	815	7.29
2600	24101	741	5.42	759	5.85	776	6.28	793	6.68	811	7.11	829	7.56	816	8.03	880	9.00	915	10.02	850	8.30
2800	25956	793	6.68	809	7.12	825	7.51	841	8.01	859	8.44	874	8.90	890	9.41	923	10.38	956	11.45	885	9.33
3000	27810	845	8.10	861	8.52	875	9.00	890	9.50	905	9.95	922	10.47	935	10.99	966	11.98	997	13.10	920	10.50
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	12978	802	5.62	881	7.15	956	8.76	1024	10.40	1088	12.15	1149	14.3	1205	15.8	1260	17.75	1312	19.8	955	11.71
1500	13905	813	6.00	890	7.57	965	9.22	1033	10.95	1093	12.75	1157	14.6	1214	16.5	1269	18.65	1322	20.6	990	13.08
1600	14832	824	6.41	899	8.02	971	9.73	1040	11.51	1102	13.40	1160	15.3	1219	17.2	1271	19.3	1323	21.4	1025	14.51
1700	15759	837	6.84	911	8.50	981	10.25	1047	12.10	1109	14.00	1169	16.0	1228	18.1	1278	20.1	1329	22.2	1060	16.0
1800	16686	850	7.33	922	9.00	992	10.81	1056	12.72	1120	14.66	1180	16.7	1232	18.8	1291	20.9	1342	23.2	1095	17.7
1900	17613	865	7.81	935	9.55	1003	11.40	1068	13.35	1128	15.4	1187	17.5	1241	19.6	1296	21.8	1344	24.1	1130	19.4
2000	18540	880	8.32	949	10.12	1013	12.00	1078	14.00	1137	16.1	1195	18.2	1250	20.4	1301	22.7	1351	24.9	1165	21.1
2200	20394	912	9.44	980	11.40	1042	13.40	1100	15.45	1160	17.6	1211	19.9	1269	22.1	1320	24.5	1369	26.8	1200	23.3
2400	22248	945	10.69	1010	12.76	1071	14.91	1128	17.15	1182	19.3	1235	21.7	1290	24.0	1338	26.5	1386	28.9	1235	25.3
2600	24101	981	12.10	1041	14.55	1102	16.5	1158	18.90	1210	21.2	1260	23.6	1312	26.1	1360	28.6	1410	31.2	1270	27.6
2800	25956	1020	13.62	1079	15.9	1135	18.3	1190	20.7	1240	23.3	1290	25.8	1339	28.4	1386	31.0	1432	33.7	1305	30.0
3000	27810	1057	15.4	1115	17.8	1171	20.2	1220	22.8	1273	25.4	1320	28.1	1370	30.8	1416	33.5	1456	36.4	1340	32.4
3200	29664	1097	17.3	1151	19.8	1205	22.4	1256	25.1	1302	27.8	1351	30.6	1399	33.4	1441	36.3	1486	39.2	1375	35.0
3400	31518	1138	19.4	1190	22.1	1242	24.7	1292	27.5	1340	30.2	1383	33.2	1433	36.1	1480	39.0	1514	42.3	1410	37.7
3600	33372	1180	21.8	1230	24.5	1280	27.3	1328	30.1	1374	33.1	1417	36.0	1461	39.1	1512	42.3	1546	45.5	1445	40.6
3800	35226	1221	24.4	1271	27.1	1319	30.1	1366	33.0	1410	36.1	1453	39.5	1499	42.4	1532	45.6	1578	48.9	1480	43.6
4000	37080	1267	27.2	1313	30.1	1360	33.0	1402	36.2	1449	39.3	1489	42.4	1531	45.8	1572	49.1	1612	52.5	1515	46.9
4200	39320	1315	30.2	1355	33.2	1405	36.2	1446	39.5	1490	43.0	1526	45.9	1570	49.7	1608	53.0	1648	56.4	1550	50.3
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	18540	1449	29.7	1538	34.6	1608	39.6	1704	45.2	1779	50.5	1855	56.4	1930	62.1	1996	67.9	2060	73.9	1585	53.8
2200	20394	1467	31.8	1558	37.0	1638	42.3	1722	48.0	1794	53.5	1872	59.4	1940	65.5	2004	71.6	2075	77.9	1620	57.4
2400	22248	1482	34.2	1571	39.6	1659	45.2	1734	50.7	1812	56.6	1890	62.9	1958	69.0	2027	75.5	2088	81.8	1655	61.1
2600	24101	1500	36.5	1586	42.2	1670	47.9	1746	54.0	1823	60.1	1896	66.2	1962	72.4	2035	79.4	2100	85.9	1690	65.1
2800	25956	1518	39.1	1604	45.0	1684	51.0	1762	57.2	1841	63.5	1912	70.1	1984	76.5	2050	83.2	2110	90.0	1725	69.3
3000	27810	1542	42.0	1626	48.0	1706	54.2	1780	60.6	1858	67.0	1930	73.7	1998	80.6	2063	87.6	2130	95.0	1760	73.6
3200	29664	1568	45.1	1658	51.3	1726	57.5	1798	64.1	1880	70.9	1942	77.7	2017	85.0	22076	92.0	2144	99.8	1795	78.0
3400	31518	1591	48.4	1674	54.7	1750	61.3	1822	68.0	1897	75.0	1962	82.0	2035	89.0	2096	96.8	2160	104.	1830	82.7
3600	33372	1626	51.9	1700	58.6	1772	65.2	1884	72.0	1915	79.2	1984	86.5	2053	94.0	2112	101.9			1865	87.5
3800	35226	1658	55.5	1730	62.5	1800	69.4	1870	76.4	1940	83.7	2006	91.2	2075	98.7	2147	107.			1900	92.5
4000	37080	1688	59.5	1760	66.5	1830	73.7	1898	81.0	1962	88.4	2026	96.0	2091	104.0	2155	112.			1935	97.7
4200	39320	1720	63.6	1800	70.7	1868	78.4	1930	86.2	1992	93.7	2060	101.5	2120	109.5					1970	103.0
4400	41192	1752	67.8	1824	75.5	1892	82.2	1960	91.1	2022	99.5	2084	107.2	2144	115.6					2005	108.8
4800	44937	1824	77.5	1890	85.5	1956	93.9	2020	102.0	2082	110.5	2142	119.4							2040	114.6
5200	48670	1898	88.1	1962	96.6	2026	105.5	2082	116.5											2075	120.4

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table :  
 add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives  
 maximum power at listed speed regardless of air and pressure delivered







**SIZE Damair Double Width Limit Load Type "LLD" Fans SIZE**

**6½** Wheel Diameter 40¼" Overall Wheel Width 36⅞" Outlet Area 16.72 Sq. Ft. **6½**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		⅞" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	13375	243	.779	276	1.10	307	1.44	335	1.80	362	2.18	387	2.58	410	3.01	454	3.88	494	4.80	225	.669
900	15047	256	.929	288	1.28	317	1.64	344	2.02	369	2.43	394	2.85	417	3.28	459	4.21	500	5.19	250	.915
1000	16718	269	1.10	300	1.48	328	1.87	354	2.28	378	2.70	402	3.14	423	3.60	466	4.58	504	5.60	275	1.22
1100	18390	284	1.31	314	1.70	340	2.12	365	2.56	388	3.01	410	3.47	432	3.95	473	4.95	510	6.04	300	1.58
1200	20062	300	1.54	327	1.95	353	2.40	376	2.86	398	3.34	420	3.83	440	4.33	480	5.39	517	6.50	325	2.02
1300	21734	316	1.81	341	2.25	366	2.72	388	3.20	410	3.71	432	4.23	450	4.75	489	5.85	525	7.00	350	2.52
1400	23406	332	2.12	356	2.57	379	3.06	402	3.58	422	4.10	443	4.65	462	5.21	500	6.35	534	7.55	375	3.10
1500	25078	348	2.46	372	2.93	394	3.46	415	3.98	435	4.55	455	5.12	475	5.70	510	6.90	544	8.15	400	3.75
1600	26749	366	2.86	388	3.34	409	3.88	429	4.44	449	5.03	468	5.62	485	6.22	521	7.48	555	8.79	425	4.50
1700	28421	382	3.30	404	3.81	424	4.35	444	4.95	463	5.55	481	6.16	499	6.79	533	8.10	565	9.46	450	5.33
1800	30093	401	3.78	421	4.30	439	4.89	459	5.49	476	6.12	495	6.76	512	7.44	545	8.76	575	10.20	475	6.27
1900	31765	420	4.33	437	4.88	455	5.48	475	6.08	491	6.75	509	7.40	525	8.09	558	9.50	589	11.00	500	7.34
2000	33437	439	4.90	455	5.48	473	6.10	490	6.75	506	7.42	522	8.12	540	8.81	570	10.28	601	11.82	525	8.50
2200	36780	476	6.26	491	6.90	506	7.56	522	8.21	537	8.90	553	9.67	569	10.42	598	11.98	627	13.59	550	9.74
2400	40124	515	7.86	529	8.58	542	9.27	555	10.01	570	10.71	584	11.50	598	12.30	627	13.92	655	15.6	575	11.14
2600	43468	553	9.74	565	10.51	578	11.29	591	12.00	604	12.80	618	13.58	630	14.4	656	16.2	682	18.0	600	12.70
2800	46812	591	12.00	603	12.80	615	13.50	627	14.40	640	15.2	650	16.2	663	16.9	687	18.6	712	20.6	625	14.30
3000	50155	629	14.55	642	15.3	652	16.2	663	17.0	675	17.9	686	18.8	696	19.7	720	21.5	744	23.5	650	16.1
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	23406	598	10.09	657	12.84	714	15.7	763	18.7	811	21.8	856	25.8	899	28.4	939	31.8	979	35.6	675	18.1
1500	25078	606	10.78	665	13.60	720	16.5	770	19.7	816	22.9	862	26.2	905	29.6	945	33.6	985	37.1	700	20.2
1600	26749	615	11.50	670	14.40	725	17.4	774	20.6	822	24.0	865	27.5	910	31.0	947	34.8	986	38.6	725	22.4
1700	28421	624	12.29	680	15.3	732	18.4	780	21.4	827	25.1	870	28.8	915	32.4	953	36.2	990	39.9	750	24.7
1800	30093	635	13.15	688	16.2	740	19.4	788	22.8	835	26.3	879	30.0	919	33.6	962	37.7	1002	41.6	775	27.3
1900	31765	646	14.05	697	17.2	747	20.5	795	24.0	840	27.5	884	31.4	926	35.1	965	39.3	1003	43.3	800	30.0
2000	33437	657	14.95	708	18.2	755	21.6	804	25.1	848	28.8	891	32.8	934	36.6	970	40.8	1009	44.9	825	32.8
2200	36780	681	16.9	730	20.5	777	24.0	820	27.8	865	31.6	903	35.7	946	39.6	982	44.0	1021	48.4	850	36.0
2400	40124	705	19.2	755	22.9	799	26.8	840	30.6	882	34.6	920	39.1	962	43.0	996	47.6	1033	52.1	875	39.2
2600	43468	733	21.7	778	26.1	822	29.6	864	33.8	900	38.0	939	42.6	980	46.7	1012	51.4	1050	56.0	900	42.8
2800	46812	760	24.4	805	28.6	846	32.8	886	37.2	925	41.8	960	46.4	1000	50.8	1033	55.8	1068	60.4	925	46.3
3000	50155	789	27.6	831	31.8	874	36.3	910	41.0	950	45.5	984	50.5	1020	55.3	1055	60.3	1088	65.2	950	50.3
3200	53499	819	31.1	859	35.6	900	40.3	936	45.0	972	49.8	1009	55.0	1042	59.9	1073	65.6	1110	70.4	1000	58.6
3400	56843	849	34.8	887	39.6	926	44.3	962	49.3	1000	54.3	1032	59.8	1070	64.7	1102	70.3	1130	75.8	1025	63.1
3600	60186	880	39.1	918	44.0	955	49.0	990	54.1	1025	59.5	1058	64.8	1090	70.1	1125	76.1	1150	81.6	1050	68.0
3800	63530	910	43.8	950	48.6	983	54.0	1018	59.2	1051	64.8	1083	71.1	1118	76.0	1141	82.2	1178	88.0	1075	72.7
4000	66874	955	48.8	980	54.0	1015	59.3	1044	65.0	1080	70.4	1111	76.3	1141	82.1	1172	88.4	1202	94.6	1100	78.0
4200	70250	980	54.4	1010	59.6	1045	65.0	1079	71.2	1110	77.4	1138	82.6	1170	89.4	1198	95.2	1229	101.5	1125	83.5
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	33437	1079	53.5	1148	62.3	1198	71.4	1269	81.4	1323	90.8	1380	101.3	1438	111.9	1488	122.8	1533	133.0	1150	89.2
2200	36780	1092	57.1	1160	66.7	1220	76.0	1281	86.3	1336	96.4	1393	107.0	1444	117.8	1495	129.0	1543	140.0	1175	95.0
2400	40124	1105	61.4	1171	71.4	1235	81.3	1291	91.5	1350	102.0	1409	113.2	1460	124.0	1509	135.6	1557	148.5	1200	101.2
2600	43468	1120	65.6	1184	75.5	1246	86.0	1304	97.0	1359	108.2	1418	119.0	1464	131.0	1515	143.0	1564	155.0	1215	107.6
2800	46812	1132	70.4	1196	80.7	1258	91.6	1314	103.0	1371	114.3	1428	126.0	1480	138.0	1526	150.0	1580	163.0	1250	114.5
3000	50155	1150	75.5	1212	86.1	1272	97.5	1330	109.0	1382	121.0	1440	132.0	1488	145.0	1539	158.0	1588	171.0	1275	121.4
3200	53499	1170	80.8	1230	92.0	1288	103.5	1340	115.0	1398	127.0	1450	139.0	1500	153.0	1545	166.0	1598	180.0	1300	128.8
3400	56843	1190	87.2	1248	98.3	1306	110.0	1360	123.0	1411	135.0	1464	147.0	1515	160.0	1560	174.0	1608	187.0	1325	136.4
3600	60186	1212	93.1	1270	105.1	1324	117.0	1376	130.0	1425	143.0	1480	155.0	1530	169.0	1572	183.0			1350	144.2
3800	63530	1238	99.5	1292	112.5	1344	125.0	1394	138.0	1445	151.0	1494	164.0	1542	178.0	1589	192.0			1375	152.3
4000	66874	1258	106.6	1314	119.8	1366	132.0	1416	146.0	1463	159.0	1510	173.0	1558	187.0	1604	202.0			1400	161.0
4200	70250	1281	113.5	1342	127.2	1390	141.0	1439	155.0	1483	169.0	1532	183.0	1580	197.0					1425	169.8
4400	73557	1308	122.0	1362	135.4	1412	147.0	1460	164.0	1508	179.0	1554	192.0	1597	208.0					1450	179.0
4800	80245	1360	139.0	1410	153.7	1460	168.0	1510	183.0	1552	199.0	1598	215.0							1475	188.5
5200	86930	1416	158.5	1466	173.5	1510	189.0	1556	209.0	1600	222.0									1500	198.0

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE Damair Double Width Limit Load Type "LLD" Fans SIZE**

**7** Wheel Diameter 44½" Overall Wheel Width 40½" Outlet Area 20.43 Sq. Ft. **7**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		⅞" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	16344	220	.954	250	1.35	278	1.76	303	2.21	328	2.67	350	3.16	371	3.68	411	4.74	446	5.86	200	.774
900	18387	232	1.14	261	1.56	287	2.01	311	2.48	334	2.97	356	3.49	377	4.02	415	5.15	453	6.34	225	1.10
1000	20430	244	1.35	272	1.81	297	2.28	320	2.79	342	3.30	363	3.84	383	4.41	422	5.60	456	6.85	250	1.51
1100	22473	257	1.60	284	2.08	308	2.59	330	3.13	351	3.68	371	4.25	391	4.83	428	6.07	461	7.38	275	2.01
1200	24516	271	1.88	296	2.39	319	2.94	341	3.50	361	4.10	380	4.69	399	5.30	435	6.59	468	7.95	300	2.61
1300	26559	285	2.21	308	2.76	331	3.32	351	3.92	372	4.54	390	5.18	408	5.82	442	7.15	475	8.58	325	3.32
1400	28602	300	2.59	323	3.15	343	3.74	363	4.38	383	5.03	401	5.70	419	6.39	451	7.77	482	9.25	350	4.14
1500	30645	315	3.02	337	3.60	356	4.23	376	4.88	394	5.56	411	6.27	430	6.97	462	8.45	491	9.98	375	5.10
1600	32688	331	3.50	351	4.10	370	4.76	388	5.43	406	6.16	423	6.89	440	7.62	472	9.15	500	10.8	400	6.19
1700	34731	347	4.03	366	4.66	384	5.33	401	6.07	419	6.79	435	7.55	452	8.31	483	9.90	511	11.6	425	7.42
1800	36774	364	4.63	381	5.28	398	5.98	415	6.71	431	7.50	448	8.27	463	9.10	492	10.7	521	12.5	450	8.82
1900	38817	380	5.30	396	5.98	412	6.70	430	7.45	444	8.26	460	9.05	476	9.90	505	11.6	532	13.5	475	10.4
2000	40860	398	6.01	412	6.70	427	7.45	443	8.27	458	9.08	473	9.94	488	10.8	517	12.6	544	14.4	500	12.1
2200	44946	431	7.67	444	8.45	459	9.27	472	10.1	487	10.9	500	11.9	515	12.8	540	14.6	567	16.6	525	14.0
2400	49032	466	9.62	479	10.5	491	11.3	503	12.3	516	13.1	528	14.1	541	15.0	567	17.0	591	19.1	550	16.1
2600	53118	500	11.9	511	12.9	523	13.8	535	14.7	547	15.6	559	16.6	571	17.6	594	19.8	617	22.0	675	18.4
2800	57204	535	14.7	515	15.7	556	16.5	568	17.6	580	18.6	588	19.5	600	20.7	622	22.8	645	25.2	600	20.9
3000	61290	569	17.8	580	18.8	590	19.8	600	20.9	611	21.9	621	23.0	630	24.1	652	26.3	672	28.8	625	23.6
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	28602	540	12.3	593	15.7	645	19.3	690	22.9	733	26.7	774	31.4	814	34.8	850	39.0	887	43.5	650	26.6
1500	30645	548	13.2	600	16.6	650	20.3	697	24.1	737	28.0	781	32.0	819	36.3	855	41.0	892	45.2	675	29.8
1600	32688	555	14.1	605	17.6	655	21.4	700	25.3	742	29.4	783	33.6	823	37.9	857	42.5	893	47.0	700	33.3
1700	34731	564	15.0	613	18.7	661	22.5	706	26.6	747	30.7	787	35.1	827	39.6	862	44.1	895	48.6	725	37.0
1800	36774	573	16.1	621	19.8	669	23.8	712	27.9	754	32.2	795	36.6	832	41.2	870	46.0	905	50.9	750	40.8
1900	38817	583	17.2	630	21.0	676	25.1	720	29.3	759	33.7	800	38.4	837	43.0	875	48.0	906	52.8	775	45.1
2000	40860	593	18.3	640	22.2	682	26.5	726	30.8	766	35.3	806	40.0	844	44.8	877	50.0	911	54.9	800	49.5
2200	44946	615	20.8	660	25.0	701	29.4	742	34.0	781	38.6	816	43.6	855	48.5	890	53.8	925	59.0	825	54.5
2400	49032	637	23.5	681	28.0	721	32.8	760	37.5	797	42.3	834	47.6	869	52.7	902	58.1	935	63.5	850	59.5
2600	53118	661	26.6	702	32.0	742	36.3	780	41.5	815	46.6	850	52.0	885	57.3	916	62.8	950	68.6	875	64.8
2800	57204	686	30.0	726	35.0	765	40.2	802	45.6	835	51.1	870	56.6	903	62.3	935	68.1	964	74.0	900	70.6
3000	61290	712	33.8	750	39.0	789	44.5	822	50.2	858	55.8	890	61.6	923	67.6	955	73.5	982	79.8	925	76.5
3200	65376	739	38.0	775	43.5	811	49.3	846	55.1	878	61.0	912	67.2	943	73.4	974	79.7	1000	86.5	950	83.0
3400	69462	766	42.6	802	48.5	836	54.2	870	60.4	903	66.5	934	73.0	966	79.4	998	85.8	1022	93.0	975	89.8
3600	73548	795	47.8	829	53.8	862	60.0	896	66.2	925	72.8	956	79.2	985	85.9	1020	92.9	1042	100.	1000	96.8
3800	77634	822	53.6	856	59.5	889	66.2	920	72.4	950	79.4	982	85.2	1009	93.0	1032	100.2	1064	108.	1025	104.0
4000	81720	853	59.7	885	66.1	916	72.7	946	79.5	975	86.2	1005	93.0	1033	100.6	1060	108.0	1088	115.	1050	112.7
4200	85940	885	66.5	914	73.0	948	79.5	975	86.9	1004	94.5	1030	101.0	1059	109.1	1084	116.1	1110	124.	1075	120.4
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	40860	975	65.1	1039	76.0	1082	87.0	1150	99.3	1200	111.0	1250	123.8	1300	136.	1345	149.	1391	162.	1100	126.
2200	44946	990	69.9	1050	81.5	1104	92.9	1160	105.2	1210	117.9	1261	130.5	1308	144.	1352	157.	1397	171.	1125	138.0
2400	49032	1000	75.0	1060	87.0	1119	99.1	1170	111.9	1221	124.6	1273	138.1	1320	152.	1365	165.	1409	180.	1150	147.3
2600	53118	1012	80.0	1070	92.8	1126	105.6	1176	118.5	1230	132.0	1280	146.	1324	159.	1370	174.	1416	189.	1175	157.2
2800	57204	1024	86.4	1080	98.4	1134	112.	1186	125.5	1241	139.2	1290	154.5	1339	168.	1380	183.	1421	198.	1200	167.3
3000	61290	1040	92.9	1096	105.5	1150	119.	1200	133.0	1251	147.5	1300	162.5	1345	177.	1391	192.	1436	208.	1225	178.
3200	65376	1056	99.3	1110	113.0	1162	126.5	1210	141.	1266	156.0	1310	171.	1360	187.	1399	202.	1446	219.	1250	189.
3400	69462	1072	106.5	1128	120.0	1176	134.5	1226	149.5	1279	165.0	1322	180.	1370	196.	1411	212.	1455	229.	1275	201.
3600	73548	1096	114.5	1146	129.0	1194	143.0	1242	158.5	1290	174.	1338	190.5	1384	206.	1423	224.			1300	212.5
3800	77634	1118	121.8	1166	137.6	1214	153.	1260	168.	1308	184.	1352	201.	1396	216.	1439	234.			1325	225.5
4000	81720	1136	130.5	1186	146.5	1232	162.5	1280	178.	1321	194.	1364	212.	1401	228.	1451	246.			1350	238.
4200	85940	1160	140.0	1217	155.0	1259	172.	1300	189.5	1342	206.	1389	223.	1428	240.					1375	252.
4400	90034	1182	149.7	1230	166.5	1276	181.	1320	200.	1361	218.	1402	235.	1447	254.					1400	266.
4800	98219	1230	170.6	1274	188.0	1320	206.	1362	224.	1402	242.5	1442	262.							1425	280.
5200	106400	1280	194.0	1322	213.0	1364	232.	1404	256.	1448	271.									1450	295.5

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE 8 Damair Double Width Limit Load Type "LLD" Fans SIZE 8**

Wheel Diameter 49" Overall Wheel Width 44½" Outlet Area 24.77 Sq. Ft.

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		⅞" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	19816	200	1.16	227	1.64	252	2.14	276	2.68	298	3.24	318	3.84	337	4.46	373	5.76	406	7.12	200	1.26
900	22293	211	1.38	237	1.90	261	2.44	283	3.00	304	3.60	324	4.23	343	4.89	377	6.25	41	7.70	225	1.79
1000	24770	222	1.64	246	2.19	270	2.77	290	3.38	310	4.00	330	4.66	348	5.35	383	6.80	415	8.30	250	2.45
1100	27247	234	1.94	258	2.52	280	3.14	300	3.80	319	4.47	336	5.15	355	5.87	388	7.37	420	8.95	275	3.26
1200	29724	246	2.28	268	2.90	290	3.57	309	4.25	328	4.97	345	5.70	362	6.44	395	8.00	425	9.64	300	4.23
1300	32201	259	2.68	280	3.34	301	4.03	319	4.75	337	5.51	354	6.29	370	7.07	402	8.69	432	10.40	325	5.38
1400	34678	272	3.14	293	3.82	312	4.54	329	5.31	348	6.11	364	6.92	380	7.76	410	9.45	438	11.22	350	6.72
1500	37155	286	3.66	306	4.36	324	5.14	341	5.92	358	6.75	374	7.62	390	8.47	419	10.27	446	12.11	375	8.28
1600	39632	301	4.24	318	4.97	336	5.77	352	6.60	369	7.48	384	8.36	399	9.26	428	11.11	455	13.07	400	10.04
1700	42109	315	4.90	332	5.65	348	6.47	364	7.37	380	8.24	396	9.16	410	10.10	438	12.04	464	14.09	425	12.05
1800	44586	330	5.62	346	6.40	361	7.26	377	8.15	392	9.10	406	10.04	421	11.05	447	13.02	473	15.20	450	14.27
1900	47063	345	6.43	359	7.25	374	8.13	390	9.05	404	10.04	418	11.00	432	12.02	458	14.12	483	16.30	475	16.8
2000	49540	361	7.29	374	8.15	388	9.06	403	10.04	416	11.01	429	12.09	443	13.10	469	15.1	494	17.50	500	19.6
2200	54494	392	9.32	403	10.27	417	11.26	429	12.20	442	13.25	455	14.40	467	15.5	491	17.8	515	20.02	525	22.7
2400	59448	423	11.70	434	12.75	446	13.79	457	14.89	469	15.9	480	17.1	491	18.2	515	20.7	537	23.2	550	26.0
2600	64402	454	14.47	465	15.6	475	16.7	486	17.8	497	19.0	508	20.1	519	21.4	539	24.0	560	26.8	575	29.8
2800	69356	486	17.8	495	19.0	505	20.1	515	21.4	526	22.5	535	23.7	545	25.1	565	27.7	586	30.5	600	33.9
3000	74310	517	21.6	527	22.8	535	24.0	545	25.3	555	26.6	565	27.9	572	29.2	592	32.0	611	34.9	625	38.3
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	34678	491	15.0	539	19.0	586	23.4	628	27.8	666	32.4	704	38.2	738	42.2	772	47.2	805	52.8	650	43.1
1500	37155	498	16.0	545	20.2	590	24.6	633	29.2	670	34.0	710	38.8	744	44.0	778	49.6	810	54.8	675	48.2
1600	39632	505	17.1	550	21.4	595	25.9	636	30.7	675	35.7	713	40.8	747	46.0	780	51.5	813	57.0	700	53.8
1700	42109	512	18.2	558	22.7	601	27.3	641	32.2	679	37.3	716	42.6	752	48.1	784	53.5	815	59.1	725	59.8
1800	44586	521	19.5	565	24.0	607	28.8	648	33.8	685	39.1	723	44.5	755	50.0	792	55.7	825	61.7	750	66.2
1900	47063	530	20.8	572	25.5	615	30.4	654	35.6	690	40.9	728	46.4	761	52.1	794	58.1	826	64.0	775	73.0
2000	49540	539	22.2	581	27.0	620	32.0	660	37.3	696	42.8	732	48.5	767	54.3	798	60.7	828	66.5	800	80.2
2200	54494	559	25.2	600	30.4	638	35.7	672	41.2	710	46.9	743	53.0	778	58.9	808	65.2	838	71.5	825	88.1
2400	59448	579	28.5	619	34.0	656	39.8	690	45.6	725	51.3	756	57.8	790	63.9	820	70.6	850	77.1	850	96.4
2600	64402	601	32.3	638	38.8	675	44.0	708	50.3	740	56.5	771	63.0	804	69.5	833	76.0	864	83.2	875	105.1
2800	69356	623	36.4	660	42.5	695	48.7	728	55.4	760	62.1	790	68.7	820	75.7	848	82.5	876	89.9	900	114.5
3000	74310	648	41.1	682	47.3	717	54.0	748	61.0	780	67.7	806	74.8	840	82.2	866	89.3	892	97.0	925	124.0
3200	79264	671	46.2	705	52.8	738	59.8	768	66.9	798	74.0	828	81.5	856	89.0	883	96.8	910	104.5	950	134.5
3400	84218	696	51.7	729	58.9	760	65.9	792	73.3	820	80.7	848	88.5	878	96.3	905	104.1	928	112.7	975	145.7
3600	89172	722	58.0	753	65.2	783	72.9	812	80.4	841	88.3	869	96.3	895	104.3	925	112.8	946	121.6	1000	157.
3800	94126	747	65.1	778	72.3	807	80.4	836	88.0	863	96.3	891	105.4	917	113.0	938	121.5	966	130.5	1025	169.
4000	99080	776	72.5	805	80.3	833	88.3	858	96.6	885	104.8	912	113.2	939	122.0	965	131.0	988	140.0	1050	182.
4200	103910	805	80.6	830	88.5	860	96.4	886	105.6	910	114.5	935	122.5	960	132.5	985	141.0	1010	150.2	1075	195.
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	49540	888	79.2	944	92.4	985	105.7	1043	120.5	1090	134.6	1135	150.0	1181	165.5	1222	180.9	1261	197.0	1100	209.
2200	54494	898	84.6	955	98.8	1005	112.6	1054	128.0	1100	142.0	1146	158.1	1188	174.1	1231	191.0	1270	207.5	1125	224.
2400	59448	906	90.9	964	105.7	1016	120.4	1062	135.3	1110	151.0	1159	168.	1199	183.6	1240	201.0	1280	218	1150	239.
2600	64402	918	97.6	972	112.5	1022	129.0	1070	144.	1118	160.5	1162	177.	1202	193.0	1245	211.3	1286	229.	1175	255.
2800	69356	930	104.5	982	120.0	1032	136.0	1078	152.	1129	169.2	1172	187.	1216	204.5	1256	222.0	1292	241.	1200	272.
3000	74310	944	112.0	996	128.0	1044	145.0	1090	162.	1138	179.0	1180	197.	1222	215.0	1264	233.5	1305	253.	1225	288.
3200	79264	960	121.0	1010	137.0	1056	153.5	1100	171.	1151	189.0	1190	207.	1234	226.5	1271	245.0	1313	266.	1250	307.
3400	84218	976	129.7	1024	145.5	1070	163.0	1116	182.	1161	199.8	1202	218.	1246	237.2	1282	258.	1322	278.	1275	326.
3600	89172	996	138.5	1042	156.0	1086	174.0	1130	192.	1172	212.0	1214	230.	1256	250.6	1295	271.			1300	345.
3800	94126	1016	148.0	1060	166.5	1104	185.0	1144	204.	1188	223.0	1230	243.	1270	263.0	1307	285.			1325	366.
4000	99080	1032	158.5	1078	178.0	1120	197.0	1162	216.	1202	235.0	1240	256.	1280	276.5	1320	298.				
4200	103910	1053	169.6	1104	188.3	1145	209.0	1181	230.	1220	250.0	1261	270.5	1298	292.0						
4400	108860	1074	181.0	1118	202.	1158	219.	1200	243.	1240	264.5	1276	286.	1313	308.0						
4800	118760	1118	206.0	1158	228.	1200	250.	1238	272.	1276	294.5	1312	318.								
5200	128650	1162	235.0	1202	258.	1240	281.	1276	310.	1317	329.0										

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered



**SIZE 9 Damair Double Width Limit Load Type "LLD" Fans SIZE 9**

Wheel Diameter 54" Overall Wheel Width 50" Outlet Area 30.09 Sq. Ft.

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	24072	181	1.40	206	1.98	229	2.60	250	3.24	270	3.94	288	4.66	306	5.41	338	6.99	368	8.64	160	1.05
900	27081	191	1.67	216	2.30	236	2.96	256	3.64	276	4.37	294	5.14	311	5.93	342	7.60	374	9.34	180	1.49
1000	30090	201	1.99	224	2.66	245	3.37	264	4.11	282	4.86	299	5.66	316	6.50	347	8.26	376	10.10	200	2.04
1100	33099	212	2.35	234	3.06	254	3.82	272	4.61	289	5.42	306	6.26	322	7.13	352	8.94	380	10.87	220	2.72
1200	36108	224	2.77	244	3.52	263	4.33	281	5.17	297	6.03	313	6.91	328	7.81	358	9.72	386	11.70	240	3.52
1300	39117	235	3.25	254	4.05	272	4.90	290	5.77	306	6.69	322	7.63	336	8.58	365	10.5	392	12.6	260	4.50
1400	42126	247	3.81	266	4.64	283	5.52	299	6.45	315	7.41	331	8.40	345	9.41	372	11.5	398	13.6	280	5.60
1500	45135	260	4.44	277	5.30	294	6.25	309	7.20	325	8.20	339	9.24	354	10.3	380	12.5	405	14.7	300	6.88
1600	48144	273	5.16	288	6.03	306	7.01	320	8.01	335	9.08	349	10.1	362	11.2	388	13.5	412	15.8	320	8.36
1700	51153	286	5.94	301	6.86	316	7.85	331	8.94	345	10.0	359	11.1	372	12.3	397	14.6	421	17.1	340	10.0
1800	54162	299	6.82	314	7.77	328	8.81	342	9.90	355	11.0	369	12.2	382	13.4	406	15.8	430	18.4	360	11.9
1900	57171	313	7.81	326	8.80	339	9.87	354	11.0	366	12.2	379	13.4	392	14.5	416	17.2	438	19.8	380	14.0
2000	60180	328	8.85	339	9.89	352	11.0	365	12.2	378	13.4	390	14.7	402	15.9	425	18.5	448	21.2	400	16.4
2200	66198	355	11.3	366	12.4	378	13.6	389	14.8	401	16.1	412	17.5	424	18.8	446	21.6	467	24.5	420	18.9
2400	72216	383	14.2	394	15.5	404	16.7	415	18.1	425	19.3	435	20.7	446	22.2	467	25.1	488	28.2	440	21.8
2600	78234	412	17.5	422	19.0	431	20.4	441	21.6	451	23.0	461	24.5	471	26.0	489	29.2	509	32.4	460	24.8
2800	84252	441	21.6	449	23.1	459	24.4	468	26.0	477	27.3	485	28.8	494	30.5	512	33.6	531	37.1	480	28.2
3000	90270	469	26.2	478	27.6	486	29.2	494	30.8	503	32.2	512	33.9	519	35.5	537	38.8	554	42.3	500	31.9
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	42126	445	18.2	490	23.1	531	28.1	569	33.8	604	39.3	638	46.4	670	51.2	700	57.4	730	64.2	520	35.8
1500	45135	452	19.4	495	24.5	536	29.8	574	35.5	608	41.2	644	47.2	674	53.5	706	60.3	735	66.6	540	40.1
1600	48144	458	20.7	499	26.0	540	31.5	576	37.3	612	43.3	646	49.5	677	55.8	707	62.6	736	69.3	560	44.9
1700	51153	465	22.2	506	27.5	545	33.2	581	39.2	616	45.3	650	51.8	682	58.4	711	65.0	738	71.8	580	49.7
1800	54162	472	23.7	512	29.2	551	35.0	588	41.1	621	47.4	656	54.0	685	60.6	718	67.7	747	75.0	600	55.0
1900	57171	481	25.3	519	31.0	557	36.9	593	43.3	626	49.7	659	55.1	690	63.4	720	70.7	748	77.8	620	60.6
2000	60180	489	26.9	527	32.8	563	38.8	598	45.3	631	52.0	664	58.6	695	66.0	724	73.7	752	80.8	640	66.8
2200	66198	507	30.6	544	36.9	578	43.3	612	50.2	644	57.0	672	64.4	705	71.4	734	79.2	761	86.9	660	73.2
2400	72216	525	34.6	561	41.3	595	48.2	626	55.4	657	62.4	687	70.3	717	77.6	744	85.8	771	93.7	680	80.2
2600	78234	545	39.2	579	47.0	612	53.4	644	61.0	672	68.6	700	76.5	729	84.3	755	92.5	784	101.0	700	87.5
2800	84252	565	44.1	599	51.6	630	59.2	662	67.1	690	75.3	718	83.5	744	91.7	770	100.3	796	109.0	720	95.2
3000	90270	587	49.9	619	57.5	650	65.5	678	73.9	708	82.1	735	91.0	761	99.6	787	108.2	810	117.6	740	103.4
3200	96288	609	56.1	639	64.1	670	72.6	698	80.9	725	89.8	752	99.0	777	108.0	801	117.2	824	126.5	760	112.1
3400	102306	632	62.8	661	71.5	690	79.9	718	88.8	744	97.9	769	107.8	796	116.8	823	126.2	842	137.0	780	121.4
3600	108324	655	70.5	684	79.2	711	88.4	738	97.7	764	107.2	789	114.8	812	126.6	840	137.0	860	147.0	800	131.0
3800	114342	679	79.0	706	87.7	732	97.5	758	107.2	784	116.9	808	128.1	831	137.0	852	147.8	876	158.5	820	141.0
4000	120360	704	88.0	730	97.5	756	107.0	780	117.7	805	124.8	828	137.3	851	148.1	875	159.0	896	170.0	840	151.8
4200	126380	730	98.0	755	107.5	780	117.0	804	128.1	827	139.0	849	148.8	873	161.0	894	171.2	916	182.5	860	162.7
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	60180	805	96.0	855	112.2	894	128.2	947	146.2	989	163.6	1031	182.	1072	201.	1110	220.	1145	240.	880	174.3
2200	66198	815	102.8	866	120.0	910	137.0	956	155.2	997	173.2	1040	193.	1078	212.	1117	239.	1152	252.	900	186.
2400	72216	825	110.7	874	128.2	921	146.2	964	164.5	1008	183.5	1050	203.	1089	224.	1127	244.	1160	265.	920	199.
2600	78234	834	118.5	882	137.	928	155.0	970	174.5	1013	194.8	1054	214.	1091	234.	1130	257.	1168	278.	940	212.
2800	84252	844	126.5	890	146.	936	165.0	980	185.0	1025	205.9	1062	227.	1103	248.	1139	270.	1171	292.	960	226.
3000	90270	856	136.0	904	155.	948	175.0	990	196.0	1032	217.2	1072	238.	1110	261.	1148	284.	1182	307.	980	241.
3200	96288	870	146.5	916	166.	958	186.5	998	208.	1043	230.	1080	252.	1120	275.	1152	298.	1192	323.	1000	256.
3400	102306	884	157.0	930	178.	972	198.5	1012	220.	1053	243.	1090	266.	1130	288.	1162	313.	1200	338.	1020	272.
3600	108324	902	168.0	944	190.0	984	211.0	1024	234.	1062	256.	1102	280.	1140	304.	1173	330.			1040	288.
3800	114342	922	180.0	962	202.	1002	224.	1038	248.	1078	271.	1114	296.	1152	320.	1185	346.			1060	305.
4000	120360	938	192.0	978	215.	1018	238.	1054	262.	1091	286.	1126	310.	1161	336.	1198	362.			1080	320.
4200	126380	956	206.0	1001	229.	1038	254.	1072	279.	1108	304.	1143	328.	1178	355.					1100	344.
4400	132400	974	220.	1014	245.	1050	267.	1088	295.	1124	322.	1156	346.	1192	374.					1120	359.
4800	144400	1012	251.	1050	277.	1088	303.	1122	330.	1158	358.	1190	386.							1140	379.
5200	156470	1054	286.	1090	314.	1126	342.	1158	376.	1194	399.									1160	399.

NOTE : Capacities and static at 70° F and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE 10 Damair Double Width Limit Load Type "LLD" Fans SIZE 10**  
 Wheel Diameter 60" Overall Wheel Width 54 3/8" Outlet Area 37.15 Sq. Ft.

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	29722	163	1.73	186	2.45	206	3.20	225	4.01	243	4.86	260	5.75	275	6.68	304	8.64	332	10.67	150	1.455
900	33437	172	2.06	194	2.83	213	3.65	231	4.50	248	5.40	264	6.33	280	7.31	308	9.37	336	11.52	170	2.11
1000	37152	181	2.45	201	3.28	220	4.45	237	5.06	254	6.00	269	6.98	284	8.01	313	10.19	338	12.44	190	2.95
1100	40867	191	2.90	210	3.78	228	4.71	245	5.70	260	6.69	275	7.72	290	8.79	317	11.01	342	13.41	210	3.99
1200	44582	201	3.42	219	4.34	236	5.34	253	6.37	268	7.45	282	8.53	296	9.64	322	11.97	346	14.44	230	5.24
1300	48297	212	4.01	229	5.00	245	6.04	261	7.11	276	8.25	290	9.40	303	10.59	328	13.00	352	15.6	250	6.73
1400	52013	223	4.70	239	5.72	255	6.80	269	7.96	284	9.14	298	10.35	310	11.62	335	14.13	358	16.8	270	8.48
1500	55728	234	5.49	249	6.53	264	7.70	278	8.86	292	10.12	305	11.40	318	12.66	342	15.4	364	18.1	290	10.50
1600	59443	246	6.35	260	7.45	274	8.65	288	9.88	301	11.19	314	12.50	326	13.85	350	16.6	372	19.6	310	12.83
1700	63158	258	7.34	271	8.46	284	9.69	298	11.02	310	12.31	323	13.72	335	15.1	358	18.0	379	21.1	330	15.5
1800	66873	270	8.42	282	9.60	295	10.86	308	12.20	320	13.62	332	15.0	344	16.5	366	19.5	387	22.7	350	18.5
1900	70589	282	9.64	294	10.85	306	12.16	318	13.52	330	15.0	341	16.5	353	18.0	374	21.2	394	24.4	370	21.8
2000	74304	295	10.91	306	12.2	317	13.55	328	15.0	310	16.5	351	18.1	362	19.6	383	22.8	403	26.2	390	25.5
2200	81734	320	13.93	330	15.4	340	16.8	350	18.3	361	19.8	371	21.5	382	23.2	401	26.6	421	30.2	410	29.6
2400	89165	345	17.5	355	19.1	364	20.6	373	22.2	383	23.8	392	25.6	401	27.3	421	31.0	439	31.7	430	34.2
2600	96595	371	21.7	379	23.4	388	25.1	397	26.7	405	28.4	415	30.2	423	32.0	440	36.0	457	40.0	450	39.3
2800	104025	397	26.7	405	28.5	412	30.0	421	32.0	429	33.7	437	35.5	445	37.6	461	41.4	478	45.7	470	44.7
3000	111456	422	32.4	430	34.1	438	36.0	445	37.9	453	39.8	461	41.8	467	43.8	483	47.8	499	52.2	490	50.6
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	52013	401	22.5	441	28.6	478	35.0	512	41.6	544	48.5	574	57.2	602	63.3	630	70.9	657	79.1	510	57.0
1500	55728	406	24.0	445	30.2	482	36.8	517	43.7	548	50.9	579	58.1	606	66.0	635	74.4	661	82.1	530	64.0
1600	59443	412	25.6	450	32.0	486	38.8	520	46.0	551	53.5	581	61.1	610	68.9	636	77.1	662	85.5	550	71.6
1700	63158	418	27.3	445	34.0	491	40.9	524	48.3	555	55.8	584	63.9	614	72.1	639	80.3	665	88.5	570	79.6
1800	60873	425	29.2	461	36.0	496	43.1	528	50.6	559	58.5	590	66.6	617	75.0	646	83.5	671	92.4	590	88.3
1900	70589	433	31.2	467	38.2	501	45.5	534	53.3	564	61.2	594	69.6	621	78.2	648	87.1	673	96.0	610	97.7
2000	74304	440	33.2	475	40.5	507	47.9	538	55.8	568	64.1	598	72.7	625	81.4	651	90.8	676	99.5	630	107.5
2200	81734	456	37.7	490	45.5	521	53.5	550	61.8	580	70.2	606	79.4	635	88.2	660	97.7	685	107.0	650	118.0
2400	89165	472	42.6	505	51.0	535	59.5	564	68.2	591	77.0	618	86.6	645	95.9	669	105.7	694	115.2	670	129.4
2600	96595	491	48.4	521	58.0	551	65.9	580	75.2	605	84.7	630	94.4	656	104.1	680	114.1	704	125.0	690	141.5
2800	104025	509	54.5	539	63.6	567	73.0	596	82.8	620	93.0	645	103.0	670	113.3	693	123.8	716	134.5	710	154.
3000	111456	528	61.5	557	70.9	585	80.9	610	91.2	636	101.3	661	112.0	685	123.0	708	130.0	728	144.8	730	167.
3200	118886	548	69.2	575	79.0	602	89.5	628	100.	652	110.8	676	122.0	700	133.1	721	144.3	744	157.	750	181.
3400	126317	569	77.5	595	88.1	621	98.5	646	110.	670	120.8	692	132.8	716	144.1	740	156.	758	169.	770	196.
3600	133747	590	87.0	615	97.7	640	109.1	664	120.	686	132.1	710	142.7	731	150.	756	160.	774	182.	790	212.
3800	141177	610	97.5	635	108.0	660	120.1	682	132.	705	144.2	728	158.	750	169.	787	181.	788	195	810	229.
4000	148608	634	108.5	656	120.1	680	132.0	702	145.	724	157.	745	169.	786	189.	787	196.	806	210	830	246.
4200	157278	657	121.0	677	132.5	702	144.5	724	158.	744	172.	784	189.	788	198.	804	211.	825	225	850	264.
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	7" S.P.		8" S.P.		9" S.P.		10" S.P.		11" S.P.		12" S.P.		13" S.P.		14" S.P.		15" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
2000	74304	725	118.7	770	138.	804	158.	851	180.	890	202.	927	225.	965	248.	998	271.	1030	296.	870	284.
2200	81734	734	127.0	779	148.	819	169.	861	191.	897	214.	936	237.	969	261.	1003	286.	1037	311.	890	303.
2400	89165	742	136.2	786	158.	829	180.	867	203.	906	226.	945	251.	979	276.	1012	301.	1044	327.	910	324.
2600	96595	750	146.5	794	169.	834	191.	872	215.	912	240.	948	265.	982	289.	1017	317.	1050	343.	930	346.
2800	104025	760	157.	802	180.	842	204.	882	229.	921	254.	956	280.	994	306.	1024	333.	1055	360.	950	369.
3000	111456	772	168.	812	192.	852	216.	890	242.	929	268.	964	294.	999	322.	1032	350.	1065	379.	970	394.
3200	118886	784	180.	824	205.	862	230.	900	256.	940	283.	972	310.	1008	340.	1038	368.	1072	398.	990	418.
3400	126317	798	194.	836	219.	874	245.	910	272.	948	300.	982	327.	1018	356.	1047	387.	1079	416.	1010	442.
3600	133747	812	207.	850	234.	886	260.	922	288.	957	316.	992	345.	1027	376.	1057	406.			1030	470.
3800	141177	830	222.	866	250.	902	277.	934	306.	969	335.	1002	364.	1037	394.	1067	426.			1050	496.
4000	148608	844	238.	880	266.	916	294.	950	324.	981	352.	1014	383.	1046	414.	1078	447.			1070	525.
4200	157278	860	254.	901	282.	933	314.	965	344.	996	375.	1029	405.	1060	437.					1090	556.
4400	164868	878	271.	912	302.	946	328.	980	364.	1011	397.	1042	428.	1072	462.						
4800	179748	912	310.	944	341.	978	374.	1010	408.	1041	441.	1070	476.								
5200	194723	950	352.	982	387.	1014	421.	1042	464.												

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

# SIZE Damair Double Width Limit Load Type "LLD" Fans SIZE

# 11

Wheel Diameter 66" Overall Wheel Width 59¾" Outlet Area 44.95 Sq. Ft. **11**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		7⁄8" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	35960	148	2.09	169	2.96	187	3.87	204	4.85	221	5.88	236	6.95	250	8.09	277	10.42	302	12.90	100	.695
900	40455	156	2.50	176	3.42	193	4.42	210	5.45	226	6.54	240	7.66	254	8.85	280	11.34	306	13.94	120	1.20
1000	44950	164	2.97	183	3.96	200	5.03	216	6.12	231	7.26	245	8.45	258	9.70	284	12.30	308	15.05	140	1.91
1100	49445	173	3.51	191	4.57	207	5.70	222	6.90	237	8.10	250	9.35	264	10.61	288	13.34	311	16.2	160	2.85
1200	53940	183	4.13	199	5.25	215	6.45	230	7.72	243	9.01	256	10.31	269	11.65	293	14.50	316	17.5	180	4.05
1300	58435	192	4.85	208	6.06	223	7.31	237	8.61	251	10.00	263	11.40	275	12.80	298	15.7	320	18.8	200	5.56
1400	62930	202	5.69	217	6.92	232	8.24	245	9.64	258	11.06	271	12.52	282	14.05	304	17.1	325	20.3	220	7.40
1500	67425	213	6.64	227	7.90	240	9.31	253	10.74	266	12.24	277	13.80	289	15.3	311	18.6	331	21.9	240	9.60
1600	71920	223	7.70	236	9.00	249	10.47	262	11.96	274	13.54	285	15.1	296	16.8	318	20.2	338	23.7	260	12.22
1700	76415	234	8.87	246	10.25	259	11.72	270	13.34	282	14.90	294	16.6	304	18.3	325	21.8	344	25.5	280	15.3
1800	80910	245	10.20	257	11.60	269	13.12	280	14.80	291	16.5	302	18.2	312	20.0	332	23.6	352	27.5	300	18.8
1900	85405	256	11.66	267	13.12	278	14.75	289	16.4	300	18.2	310	19.9	320	21.8	340	25.6	359	29.6	320	22.8
2000	89900	268	13.20	278	14.76	288	16.4	298	18.2	309	20.0	319	21.9	329	23.7	348	27.6	367	31.8	340	27.3
2200	98890	291	16.9	300	18.6	309	20.4	318	22.1	328	24.0	337	26.1	347	28.1	365	32.2	382	36.6	360	32.4
2400	107880	314	21.2	322	23.1	331	24.9	339	26.9	348	28.9	356	30.9	365	33.0	383	37.5	399	42.1	380	38.1
2600	116870	337	26.2	345	28.3	353	30.3	361	32.3	368	34.4	376	36.6	385	38.8	400	43.5	416	48.5	400	44.5
2800	125860	361	32.3	368	34.4	375	36.3	383	38.7	390	40.8	397	43.0	404	45.5	419	50.1	435	55.3	420	51.5
3000	134850	384	39.2	392	41.2	398	43.5	405	45.9	412	48.1	418	50.5	425	53.0	439	57.9	454	63.2	440	59.2
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	62930	365	27.2	400	34.5	435	42.3	465	50.4	494	58.7	522	69.2	547	76.6	573	85.6	597	95.7	460	67.6
1500	67425	370	29.0	405	36.6	438	44.5	470	52.9	497	61.6	526	70.5	550	79.9	577	90.0	601	99.5	480	76.8
1600	71920	375	31.0	409	38.8	442	47.0	472	55.6	501	64.7	528	74.0	554	83.4	578	93.4	603	103.5	500	86.8
1700	76415	380	33.0	414	41.1	446	49.5	475	58.4	505	67.5	531	77.2	557	87.3	581	97.0	605	107.3	520	97.8
1800	80910	387	35.4	419	43.5	451	52.2	480	61.3	509	70.9	536	80.6	560	90.7	587	101.2	611	112.0	540	109.4
1900	85405	394	37.8	425	46.2	456	55.1	485	64.5	512	74.1	539	84.4	565	94.7	589	105.6	612	116.4	560	122.0
2000	89900	400	40.2	431	49.0	461	58.0	490	67.6	517	77.5	544	88.0	569	98.5	592	110.0	615	120.9	580	135.5
2200	98890	415	45.6	445	55.1	474	64.7	500	74.6	527	85.0	551	96.1	576	106.6	600	118.4	623	129.8	600	150.
2400	107880	430	51.6	460	61.6	487	72.1	512	82.5	537	93.2	562	105.0	585	116.0	608	128.	631	140.0	620	165.
2600	116870	446	58.5	474	70.2	501	79.9	526	91.3	550	102.5	574	114.3	595	126.0	619	138.	640	150.4	640	182.
2800	125860	463	65.9	490	77.0	516	88.5	542	100.2	564	112.5	586	124.9	608	137.0	630	150.	650	162.	660	200.
3000	134850	480	74.5	506	85.8	532	97.9	554	110.5	579	122.7	605	136.	621	148.9	644	162.	662	175.	680	219.
3200	143840	498	83.7	523	95.7	548	108.4	570	121.	593	134.0	615	148.	635	161.	656	176.	676	190.	700	238.
3400	152830	517	93.6	541	106.7	565	119.2	588	133.	609	146.2	630	161.	651	174.	673	189.	688	204.	720	259.
3600	161820	536	105.1	559	118.1	581	132.0	604	146.	625	160.	645	174.	664	189.	687	205.	704	220.	740	282.
3800	170810	555	118.0	578	130.8	600	145.5	620	159.	641	174.	661	191.	680	204.	697	221.	718	237.	760	305.
4000	179800	575	131.4	597	145.5	618	160.	638	175.	657	190.	678	205.	696	221.	715	237.	734	255.		
4200	188790	597	146.2	616	160.5	639	175.	657	191.	676	208.	694	222.	714	239.	731	256.	750	272.		

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered



**SIZE Damair Double Width Limit Load Type "LLD" Fans SIZE**  
**12** Wheel Diameter 73" Overall Wheel Width 67<sup>1</sup>/<sub>8</sub>" Outlet Area 55.0 Sq. Ft. **12**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	1/4" S.P.		3/8" S.P.		1/2" S.P.		5/8" S.P.		3/4" S.P.		7/8" S.P.		1" S.P.		1 1/4" S.P.		1 1/2" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	44000	134	2.56	153	3.62	169	4.74	185	5.93	200	7.20	213	8.50	226	9.89	250	12.75	272	15.8	140	3.14
900	49500	141	3.06	159	4.20	175	5.41	190	6.66	204	8.00	217	9.37	230	10.82	253	13.88	276	17.0	155	4.27
1000	55000	149	3.63	165	4.85	181	6.15	195	7.50	208	8.88	221	10.33	234	11.85	257	15.1	278	18.4	170	5.65
1100	60500	157	4.29	173	5.60	188	6.98	201	8.42	214	9.90	226	11.42	238	13.00	261	16.3	281	19.8	185	7.26
1200	66000	165	5.05	180	6.43	194	7.90	208	9.42	220	11.01	232	12.62	243	14.26	265	17.7	285	21.4	200	9.18
1300	71500	174	5.94	188	7.40	202	8.95	214	10.52	227	12.20	238	13.93	249	15.7	270	19.2	290	23.4	215	11.42
1400	77000	183	6.95	196	8.46	209	10.07	222	11.78	233	13.52	244	15.3	255	17.2	275	20.9	294	24.9	230	14.00
1500	82500	192	8.11	205	9.66	217	11.40	229	13.14	240	14.96	251	16.9	262	18.8	281	22.7	299	26.8	245	16.9
1600	88000	202	9.40	213	11.01	226	12.80	236	14.62	248	16.6	258	18.5	268	20.5	287	24.6	305	29.0	260	20.2
1700	93500	212	10.86	223	12.53	234	14.33	244	16.3	255	18.2	265	20.3	275	22.3	294	26.7	311	31.2	275	23.9
1800	99000	222	12.45	232	14.20	243	16.1	253	18.1	263	20.2	273	22.2	282	24.5	301	28.9	318	33.6	290	28.0
1900	104500	231	14.27	243	16.1	251	18.0	261	20.0	271	22.3	280	24.4	290	26.6	308	31.3	325	36.2	305	32.5
2000	110000	242	16.2	251	18.1	260	20.1	270	22.3	279	24.4	288	26.7	297	29.0	315	33.8	332	38.9	320	37.6
2200	121000	263	20.6	271	22.7	279	24.9	288	27.1	297	29.3	305	31.9	314	34.3	330	39.4	346	44.8	335	43.2
2400	132000	284	25.9	291	28.2	299	30.5	307	32.9	314	35.3	322	37.8	330	40.4	346	45.9	361	51.5	350	49.1
2600	143000	305	32.0	312	34.6	319	37.1	326	39.5	333	42.0	341	44.7	348	47.5	362	53.3	376	59.3	365	55.9
2800	154000	326	39.5	332	42.1	339	44.5	346	47.4	353	49.9	359	52.6	366	55.6	379	61.3	393	67.8	380	63.0
3000	165000	347	47.9	354	50.5	360	53.3	366	56.1	372	58.9	378	61.9	384	64.8	397	70.8	410	77.4	395	71.0
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2 1/2" S.P.		3" S.P.		3 1/2" S.P.		4" S.P.		4 1/2" S.P.		5" S.P.		5 1/2" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	77000	330	33.2	362	42.3	393	51.8	420	61.7	447	71.8	472	84.6	495	93.6	518	105.0	540	117.1	290	28.0
1500	82500	334	35.5	366	44.7	396	54.5	425	64.7	450	75.4	476	86.1	498	97.7	522	110.1	544	121.8	310	34.2
1600	88000	339	37.9	369	47.5	399	57.5	426	68.0	453	79.1	477	90.5	501	102.0	523	112.4	545	126.8	330	41.2
1700	93500	344	40.4	374	50.3	403	60.6	430	71.5	456	82.6	480	94.5	504	106.7	526	119.0	546	131.1	350	49.1
1800	99000	349	43.3	379	53.3	408	64.0	434	75.0	460	86.6	485	98.7	507	111.0	531	124.0	553	137.0	370	58.2
1900	104500	356	46.2	384	56.5	412	67.4	439	79.0	463	90.7	487	103.0	510	115.8	532	129.0	554	142.1	390	68.0
2000	110000	362	49.2	390	59.9	416	71.0	442	82.6	467	94.9	491	107.8	514	120.5	535	134.5	556	147.6	410	79.0
2200	121000	375	55.9	403	67.5	429	79.2	452	91.4	477	104.0	498	117.7	521	130.5	543	145.0	561	159.	430	91.2
2400	132000	388	63.1	415	75.5	440	88.2	464	101.0	486	114.0	507	128.1	530	141.9	550	156.8	571	171.	450	104.5
2600	143000	404	71.5	429	86.0	453	97.6	476	111.5	497	125.4	517	140.0	539	154.	560	169.0	580	185.	470	119.0
2800	154000	418	80.5	443	94.3	466	108.1	488	122.5	510	137.7	530	152.5	550	168.	570	183.5	588	199.	490	135.0
3000	165000	434	91.0	458	105.0	481	119.7	502	135.4	524	150.	543	166.0	562	182.	582	198.	598	214.	510	153.
3200	176000	450	102.5	472	117.1	495	132.6	516	148.0	536	164.	555	181.0	575	197.	594	215.	610	232.	530	171.
3400	187000	467	114.7	489	130.6	510	146.0	530	162.5	551	179.	568	197.0	589	213.	609	231.	622	250.	550	191.
3600	198000	485	128.8	506	144.8	525	161.	546	177.5	565	196.	583	213.6	600	231.	621	250.	636	269.	570	212.
3800	209000	502	144.2	523	160.	542	178.	560	195.	580	213.	597	234.	615	250.	630	270.	650	290.	590	237.
4000	220000	520	161.	540	178.	559	195.	576	214.	595	232.	611	251.	630	271.	647	290.	664	311.	610	261.
4200	231000	540	179.	557	196.	577	214.	595	234.	611	254.	626	272.	645	294.	661	313.	678	334.	630	287.

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE Damair Double Width Limit Load Type "LLD" Fans SIZE**

**13½** Wheel Diameter 80¾" Overall Wheel Width 73⅞" Outlet Area 67.29 Sq. Ft. **13½**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		⅞" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	53832	121	3.14	138	4.44	153	5.80	167	7.25	181	8.80	193	10.42	204	12.10	226	15.6	246	19.3	115	2.90
900	60561	128	3.74	144	5.14	158	6.61	172	8.15	184	9.79	196	11.48	208	13.28	229	17.0	250	20.9	130	4.18
1000	67290	134	4.44	150	5.94	164	7.52	176	9.17	188	10.88	200	12.65	211	14.52	232	18.5	252	22.6	145	5.80
1100	74019	142	5.25	156	6.85	170	8.54	182	10.32	193	12.12	204	14.00	216	15.9	236	20.0	254	24.3	160	7.79
1200	80748	149	6.19	163	7.87	176	9.67	188	11.53	199	13.50	210	15.45	220	17.5	240	21.7	258	26.2	175	10.20
1300	87477	157	7.27	170	9.07	182	10.95	194	12.87	205	14.95	215	17.1	225	19.2	244	23.6	262	28.2	190	13.05
1400	94206	165	8.53	178	10.38	189	12.33	201	14.42	211	16.55	221	18.8	231	21.0	249	25.6	266	30.4	205	16.4
1500	100935	174	9.95	185	11.83	196	13.97	207	16.10	218	18.3	227	20.6	237	23.0	254	27.8	271	32.8	220	20.2
1600	107664	183	11.51	193	13.50	204	15.70	214	17.90	224	20.3	233	22.7	242	25.1	260	30.2	276	35.4	235	24.7
1700	114393	191	13.30	201	15.3	211	17.54	221	19.95	231	22.3	240	24.8	249	27.4	266	32.7	282	38.2	250	29.6
1800	121122	200	15.2	210	17.4	219	19.7	229	22.1	238	24.7	246	27.2	255	29.9	272	35.3	288	41.1	265	35.4
1900	127851	209	17.5	218	19.7	227	22.0	236	24.5	245	27.2	254	29.8	262	32.6	278	38.3	293	44.3	280	41.8
2000	134580	219	19.8	227	22.1	235	24.5	244	27.2	253	29.9	261	32.7	269	35.5	285	41.4	300	47.5	295	48.8
2200	148038	237	25.3	245	27.8	253	30.5	260	33.1	268	35.9	276	39.0	284	42.0	298	48.1	313	54.7	310	56.6
2400	161496	256	31.7	264	34.5	271	37.4	277	40.4	284	43.2	291	46.3	298	49.5	313	56.2	326	62.9	325	65.2
2600	174954	276	39.2	282	42.4	288	45.4	295	48.4	302	51.5	308	54.7	314	58.1	328	65.2	340	72.5	340	74.6
2800	188412	295	48.4	301	51.6	307	54.4	313	58.0	319	61.2	325	64.4	331	68.2	343	75.0	356	82.8	355	85.0
3000	201870	314	58.6	320	61.7	325	65.2	331	68.7	337	72.1	342	75.8	348	79.4	359	86.6	371	94.6	370	96.5
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	94206	298	40.6	328	51.7	355	63.4	380	75.5	404	87.8	427	104.0	447	114.7	469	128.5	488	143.5	260	33.4
1500	100935	302	43.4	331	54.7	358	66.6	384	79.1	406	92.1	430	105.5	451	119.5	472	135.0	492	149.0	280	41.8
1600	107664	306	46.4	334	58.0	361	70.3	386	83.5	409	96.8	431	111.0	453	124.8	473	140.0	493	155.0	300	51.4
1700	114393	311	49.4	339	61.5	364	74.0	388	87.6	412	101.2	434	116.0	456	130.5	476	145.5	494	160.5	320	62.1
1800	121122	316	53.0	343	65.0	369	78.1	392	91.7	416	106.0	438	121.0	458	135.8	480	151.5	500	167.5	340	74.6
1900	127851	322	56.5	347	69.1	372	82.5	396	96.6	419	111.0	440	126.5	462	141.8	482	158.0	501	174.0	360	88.5
2000	134580	327	60.2	353	73.1	377	86.8	400	101.2	422	116.0	444	132.	465	147.3	484	164.5	503	181.	380	104.3
2200	148038	339	68.3	364	82.5	387	96.8	408	112.0	431	127.2	450	144.	472	159.7	491	177.	509	194.	400	121.7
2400	161496	351	77.2	376	92.2	398	107.9	420	123.8	439	139.3	459	157.	479	173.5	498	192.	515	209.	420	140.7
2600	174954	365	87.5	388	105.0	410	119.5	430	137.0	450	153.3	469	171.	488	188.5	506	205.	524	226.	440	162.
2800	188412	378	98.6	400	115.2	422	132.3	442	150.5	461	168.0	480	187.	498	205.	515	225.	532	243.	460	185.
3000	201870	392	111.5	414	128.5	435	146.3	454	165.	474	183.5	491	203.	509	223.	526	243.	542	262.	480	210.
3200	215328	407	125.2	427	143.2	447	162.0	466	182.	485	201.	503	221.	520	241.	536	263.	552	283.	500	238.
3400	228786	423	140.3	442	159.6	462	178.5	480	198.	498	219.	514	241.	533	261.	550	282.	564	306.	520	268.
3600	242244	438	157.3	458	177.	475	197.	492	218.	511	239.	524	261.	544	283.	562	306.			540	299.
3800	255702	454	176.4	473	196.	490	218.	508	238.	524	261.	542	286.	557	306.	570	330.			560	334.
4000	269160	471	197.	488	218.	505	239.	522	262.	538	284.	554	307.	570	331.	585	356.			580	372.
4200	282620	489	219.	504	240.	522	262.	537	286.	554	311.	568	332.	584	358.					600	411.

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE 15 Damair Double Width Limit Load Type "LLD" Fans SIZE 15**  
 Wheel Diameter 89" Overall Wheel Width 80½" Outlet Area 81.74 Sq. Ft.

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		⅞" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	65392	110	3.81	125	5.39	139	7.04	152	8.81	164	10.69	175	12.63	186	14.70	205	18.9	223	23.5	105	3.58
900	73566	116	4.55	130	6.24	143	8.04	156	9.89	167	11.88	178	13.93	189	16.1	208	20.6	226	25.4	120	5.35
1000	81740	122	5.39	136	7.21	149	9.14	160	11.13	171	13.20	182	15.4	192	17.6	211	22.4	228	27.4	135	7.63
1100	89914	129	6.38	142	8.32	154	10.37	165	12.51	176	14.70	185	17.0	196	19.3	214	24.2	230	29.6	150	10.44
1200	98088	136	7.52	148	9.55	159	11.73	170	14.00	181	16.40	190	18.8	199	21.2	217	26.4	233	31.8	165	13.90
1300	106262	143	8.82	154	11.00	166	13.29	176	15.7	186	18.16	195	20.7	204	23.3	221	28.6	238	34.3	180	18.1
1400	114436	150	10.35	161	12.58	172	14.97	182	17.5	191	20.1	201	22.8	209	25.5	226	31.1	241	37.0	195	23.0
1500	122610	158	12.06	168	14.37	178	16.95	188	19.5	197	22.2	206	25.1	215	27.9	231	33.8	246	39.9	210	28.7
1600	130784	166	14.00	175	16.4	185	19.05	194	21.7	203	24.6	212	27.5	220	30.5	236	36.6	250	43.1	225	35.3
1700	138958	174	16.15	183	18.6	192	21.3	201	24.3	209	27.1	218	30.2	226	33.2	241	39.7	255	46.4	240	42.8
1800	147132	182	18.5	190	21.1	199	23.9	207	26.9	216	30.0	224	33.1	232	36.4	247	42.9	261	50.0	255	51.4
1900	155306	190	21.2	198	23.9	206	26.8	215	29.8	222	33.1	230	36.2	238	39.6	252	46.5	266	53.8	270	61.1
2000	163480	199	24.0	206	26.9	214	29.8	222	33.1	229	36.3	237	39.7	244	43.1	258	50.3	272	57.6	285	71.9
2200	179828	216	30.7	222	33.8	229	37.0	236	40.2	244	43.6	250	47.4	258	51.0	271	58.5	284	66.5	300	83.7
2400	196176	233	38.5	239	42.0	245	45.4	252	49.0	258	52.4	264	56.2	271	60.0	284	68.2	296	76.5	315	97.0
2600	212524	250	47.6	256	51.5	262	55.1	268	58.7	274	62.5	279	66.5	285	70.5	297	79.0	309	88.1	330	111.3
2800	228872	268	58.7	273	62.6	278	66.0	284	70.4	290	74.2	295	78.2	300	82.8	311	91.1	322	100.6	345	127.0
3000	245220	285	71.2	290	75.0	295	79.1	300	83.5	306	87.5	311	92.0	315	96.4	326	105.3	336	115.0	360	144.8
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	114436	270	49.4	297	62.7	322	77.0	345	91.6	367	106.6	387	126.0	406	139.0	424	156.	444	174.	240	42.8
1500	122610	274	52.7	300	66.5	325	81.0	348	96.1	369	112.0	390	128.0	409	145.0	427	164.	445	181.	255	51.4
1600	130784	278	56.3	303	70.5	328	85.4	350	101.0	372	117.6	391	134.5	411	151.7	428	170.	446	188.	270	61.1
1700	138958	282	60.1	307	74.6	331	90.0	352	106.5	374	122.8	393	141.0	414	158.6	431	177.	447	195.	285	71.9
1800	147132	287	64.4	311	79.1	335	95.0	356	111.5	377	128.8	398	147.0	415	165.	435	184.	451	204.	300	83.7
1900	155306	292	68.6	315	84.0	338	100.2	360	117.4	380	134.8	399	153.5	419	172.	436	192.	452	211.	315	97.0
2000	163480	297	73.2	320	89.0	342	105.4	364	123.0	383	141.0	403	160.	421	179.	438	200.	455	219.	330	111.3
2200	179828	308	83.0	330	100.2	351	117.6	370	136.0	391	154.5	408	175.	427	194.	444	215.	461	236.	345	127.0
2400	196176	319	93.9	341	112.0	361	131.0	380	150.5	399	169.2	416	191.	435	211.	450	233.	466	254.	360	144.8
2600	212524	331	106.4	352	127.7	372	145.0	390	166.	408	186.0	424	208.	442	229.	457	252.	476	274.	375	163.
2800	228872	343	119.7	364	140.	383	161.	402	183.	419	204.5	434	226.	451	249.	466	273.	482	296.	390	183.
3000	245220	356	135.4	376	156.	394	178.	412	201.	429	223.	445	247.	461	271.	476	295.	492	319.	405	206.
3200	261568	370	152.3	388	174.	406	197.	424	220.	439	244.	455	269.	472	293.	486	319.	500	345.	420	229.
3400	277916	384	170.4	401	194.	419	217.	436	242.	452	266.	466	292.	483	317.	498	343.	510	371.	435	255.
3600	294264	398	191.0	415	215.	431	240.	448	265.	463	291.	478	317.	493	344.	509	372.			450	282.
3800	310612	412	214.4	429	238.	444	264.	460	290.	475	317.	490	348.	505	372.	516	401.			465	311.
4000	326960	427	239.	443	264.	459	290.	474	318.	488	345.	502	373.	516	402.	530	432.			480	343.
4200	343300	442	266.	456	292.	472	318.	486	348.	501	378.	514	404.	526	436.					495	376.

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepower are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered



**SIZE Damair Double Width Limit Load Type "LLD" Fans SIZE**

**16** Wheel Diameter 98¼" Overall Wheel Width 89¼" Outlet Area 99.62 Sq. Ft. **16**

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		⅞" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	79696	100	4.64	113	6.56	126	8.57	137	10.73	148	13.03	159	15.4	168	17.9	186	23.1	202	28.6	100	5.
900	89658	105	5.54	118	7.60	130	9.78	141	12.06	152	14.48	161	17.0	171	19.6	188	25.1	205	30.9	110	6.
1000	99620	111	6.56	123	8.78	135	11.13	145	13.58	155	16.1	164	18.7	174	21.5	191	27.3	207	33.3	120	8.
1100	109582	117	7.77	129	10.15	139	12.63	150	15.25	159	17.9	168	20.7	177	23.6	194	29.6	209	35.9	130	11.
1200	119544	123	9.15	134	11.64	145	14.30	151	17.1	164	19.9	172	22.8	181	25.8	197	32.1	212	38.7	140	13.
1300	129506	129	10.75	140	13.42	150	16.2	159	19.1	169	22.1	177	25.2	185	28.4	201	34.9	215	41.8	150	17.
1400	139468	136	12.60	146	15.33	155	18.2	165	21.3	174	24.5	182	27.8	190	31.1	205	37.9	219	45.0	160	20.
1500	149430	143	14.70	152	17.50	161	20.6	170	23.8	179	27.1	186	30.5	194	34.0	209	41.2	223	48.6	170	25.
1600	159392	150	17.0	159	19.94	167	23.2	176	26.5	184	30.0	192	33.5	199	37.1	214	44.7	227	52.5	180	29.
1700	169354	157	19.6	166	22.7	174	26.0	182	29.6	190	33.0	197	36.8	205	40.5	219	48.4	232	56.5	190	34.
1800	179316	165	22.5	173	25.7	180	29.1	188	32.7	195	36.6	203	40.3	210	44.3	223	52.3	236	60.8	200	40.
1900	189278	172	25.8	179	29.1	187	32.6	194	36.2	202	40.3	208	44.1	216	48.3	229	56.7	241	65.5	210	47.
2000	199240	180	29.2	187	32.7	194	36.3	201	40.3	208	44.2	214	48.4	221	52.6	234	61.3	246	70.4	220	54.
2200	219164	195	37.4	202	41.2	208	45.1	214	49.0	221	53.1	227	57.8	233	62.2	245	71.3	257	81.0	230	62.
2400	239088	211	46.9	217	51.1	222	55.3	228	59.6	234	63.9	239	68.5	245	73.2	257	83.1	268	93.0	240	70.
2600	259012	226	58.0	232	62.7	237	67.2	243	71.5	248	76.1	253	81.0	259	86.0	269	96.4	279	107.4	250	79.
2800	278936	242	71.5	247	76.3	252	80.5	257	85.7	262	90.4	267	95.3	272	100.8	282	111.0	292	122.8	260	89.
3000	298860	258	86.7	263	91.3	268	96.5	272	101.7	277	106.7	282	112.0	286	117.4	295	128.2	305	140.2	270	100.
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	139468	245	60.2	269	76.4	292	93.7	313	111.6	332	130.0	351	153.	368	170.	385	190.	402	212.	215	50.
1500	149430	248	64.3	272	81.0	294	98.5	316	117.0	334	136.5	354	156.	370	177.	388	199.	403	220.	230	62.
1600	159392	252	68.6	275	85.8	297	104.1	318	123.0	337	143.3	355	164.	372	185.	389	206.	404	229.	245	74.
1700	169354	256	73.3	278	91.0	299	109.8	320	129.4	339	150.	356	171.	375	193.	390	215.	406	237.	260	89.
1800	179316	260	78.4	282	96.4	303	115.8	322	136.	342	157.	360	179.	377	201.	394	224.	410	248.	275	105.
1900	189278	264	83.6	286	102.4	306	122.1	326	143.	344	164.	362	187.	379	210.	396	234.	411	257.	290	124.
2000	199240	269	89.0	290	108.6	310	128.7	328	150.	347	172.	365	195.	382	218.	398	243.	413	267.	305	144.
2200	219164	279	101.1	299	122.1	318	143.4	336	166.	354	188.	370	213.	387	236.	404	262.	419	287.	320	166.
2400	239088	289	114.3	309	136.8	327	160.	344	183.	361	206.	378	232.	394	257.	409	283.	424	310.	335	191.
2600	259012	300	129.6	319	156.	337	177.	354	202.	370	227.	385	253.	400	279.	416	306.	430	334.	350	217.
2800	278936	311	146.0	330	171.	347	196.	364	222.	379	249.	394	276.	409	304.	424	332.	438	360.	365	247.
3000	298860	323	165.0	340	190.	358	217.	372	244.	389	272.	404	300.	418	330.	433	358.	446	389.	380	278.
3200	318784	335	185.5	352	212.	368	240.	384	268.	398	297.	413	328.	427	358.	441	388.	454	420.	395	314.
3400	338708	347	208.	364	236.	379	264.	394	294.	409	324.	424	356.	438	386.	452	417.	464	453.	410	350.
3600	358632	360	233.	376	262.	391	292.	406	323.	420	354.	434	386.	446	419.	462	453.			425	390.
3800	378556	373	261.	389	290.	403	322.	416	353.	431	386.	445	423.	457	454.	468	488.			440	433.
4000	398480	387	291.	401	322.	415	354.	428	386.	446	420.	455	454.	467	490.	481	525.			455	478.
4200	418400	402	324.	414	355.	429	387.	441	423.	455	460.	466	491.	479	530.					470	528.

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered

**SIZE 18 Damair Double Width Limit Load Type "LLD" Fans SIZE 18**  
 Wheel Diameter 108¾" Overall Wheel Width 98½" Outlet Area 122.04 Sq. Ft.

Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	¼" S.P.		⅜" S.P.		½" S.P.		⅝" S.P.		¾" S.P.		⅞" S.P.		1" S.P.		1¼" S.P.		1½" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
800	97632	90	5.69	103	8.04	114	10.51	124	13.18	134	16.0	143	18.9	152	22.0	168	28.3	183	35.0	90	6.14
900	109836	95	6.79	107	9.32	117	12.00	127	14.79	137	17.7	146	20.8	155	24.0	170	30.8	185	37.9	100	8.42
1000	122040	100	8.05	111	10.79	122	13.65	131	16.6	140	19.7	148	23.0	157	26.3	172	33.4	187	40.9	110	11.21
1100	134244	105	9.53	116	12.43	126	15.5	135	18.7	144	22.0	152	25.4	160	28.9	175	36.2	189	44.1	120	14.56
1200	146448	111	11.21	121	14.28	130	17.5	139	20.9	148	24.4	156	28.0	163	31.6	178	39.5	191	47.5	130	18.5
1300	158652	117	13.19	126	16.45	135	19.8	144	23.4	152	27.1	160	30.9	167	34.8	181	42.7	194	51.2	140	23.1
1400	170856	123	15.4	132	18.8	140	22.4	149	26.2	157	30.0	164	34.0	171	38.2	185	46.4	198	55.2	150	28.4
1500	183060	129	18.0	138	21.4	146	25.3	154	29.2	162	33.2	168	37.4	176	41.7	189	50.5	201	59.6	160	34.5
1600	195264	136	20.9	143	24.4	151	28.4	159	32.5	166	36.8	173	41.1	180	45.5	193	54.7	205	64.3	170	41.4
1700	207468	142	24.1	150	27.8	157	31.8	164	36.2	171	40.5	178	45.0	185	49.6	197	59.2	209	69.3	180	49.1
1800	219672	149	27.6	156	31.5	163	35.7	170	40.1	177	44.8	183	49.4	190	54.4	202	64.1	213	74.5	190	57.8
1900	231876	155	31.6	162	35.7	169	40.0	176	44.5	182	49.4	188	54.0	195	59.2	206	69.5	218	80.3	200	67.4
2000	244080	163	35.8	169	40.1	175	44.5	181	49.4	187	54.2	193	59.4	200	64.4	211	75.1	222	86.1	210	78.0
2200	268488	176	45.8	182	50.5	188	55.3	193	60.1	199	65.1	205	70.8	210	76.3	222	87.4	232	99.3	220	89.7
2400	292896	191	57.5	196	62.7	201	67.8	206	73.1	211	78.4	216	84.0	222	89.8	232	101.9	242	114.1	230	102.5
2600	317304	205	71.1	210	76.9	214	82.4	219	87.7	224	93.4	229	99.2	234	105.4	243	118.2	252	131.7	240	116.5
2800	341712	219	87.6	223	93.5	228	98.7	232	105.2	237	110.9	241	116.9	246	123.8	254	136.3	264	150.4	250	131.6
3000	366120	233	106.3	238	111.9	242	118.2	246	124.8	250	130.8	254	137.3	258	144.0	266	157.2	275	172.0	260	148.0
Outlet Velocity Feet Per Minute	Capacity Cubic Feet of Air Per Min.	2" S.P.		2½" S.P.		3" S.P.		3½" S.P.		4" S.P.		4½" S.P.		5" S.P.		5½" S.P.		6" S.P.		Limit Load	
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
1400	170856	221	73.6	243	93.8	264	115.0	282	137.	300	159.2	317	188.	332	208.7	348	233.	362	260.	270	165.8
1500	183060	224	78.6	246	99.4	266	121.0	285	144.	302	167.0	320	191.	334	217.0	350	245.	363	270.	280	185.0
1600	195264	228	84.1	248	105.3	268	127.6	286	151.	304	175.6	321	201.	336	226.3	351	254.	365	281.	290	205.4
1700	207468	231	89.8	251	111.6	271	134.4	289	159.	306	183.9	322	210.	339	236.8	353	264.	366	291.	300	227.6
1800	219672	234	96.2	254	118.1	274	142.0	292	167.	309	192.6	326	219.	340	246.2	356	275.	371	304.	310	251.0
1900	231876	239	102.7	258	125.5	276	149.8	294	175.	311	201.3	327	229.	342	257.1	358	286.	372	316.	320	276.0
2000	244080	243	109.1	262	133.0	280	157.5	296	184.	314	210.4	330	239.	345	267.6	359	298.	373	328.	330	302.8
2200	219672	252	123.9	270	149.7	287	175.8	304	203.	320	230.9	334	261.	350	289.7	364	321.	378	352.	340	331.2
2400	231876	261	140.1	279	167.4	295	196.1	312	224.	326	253.0	341	285.	356	314.8	370	348.	382	380.	350	361.1
2600	317304	271	158.9	288	191.0	304	216.8	320	247.	334	278.1	348	311.	362	341.8	375	375.	388	410.	360	393.0
2800	341712	281	179.0	298	209.2	313	240.0	328	272.	343	305.2	356	339.	369	372.0	382	407.	396	442.	370	426.3
3000	366120	292	202.1	307	233.1	323	265.6	336	299.	351	333.1	364	369.	378	404.3	391	440.	402	477.	380	462.3
3200	390528	302	227.5	318	259.7	333	294.3	346	329.	360	364.4	373	402.	386	438.0	398	476.	410	515.	390	499.5
3400	414936	314	254.4	328	289.8	343	324.0	356	360.	370	397.0	382	436.	395	473.8	409	512.	418	555.	400	539.2
3600	439344	325	285.7	340	321.2	353	358.0	366	395.	379	434.5	392	474.	403	513.2	417	555.			410	580.5
3800	463752	337	319.9	351	355.4	364	395.1	376	432.	389	473.6	402	520.	413	555.7	423	599.			420	624.4
4000	488160	349	356.5	362	395.1	375	433.7	386	475.	399	515.4	411	557.	422	600.9	434	645.			430	669.8
4200	512570	362	398.	374	436.0	388	475.	398	520.	410	565.	421	603.	433	650.					440	717.4

NOTE : Capacities and static at 70° F. and 29.92" barometer. Actual fan horsepowers are shown in table : add for loss through drive when selecting motor. "Limit Load Horse powers in right hand column gives maximum power at listed speed regardless of air and pressure delivered