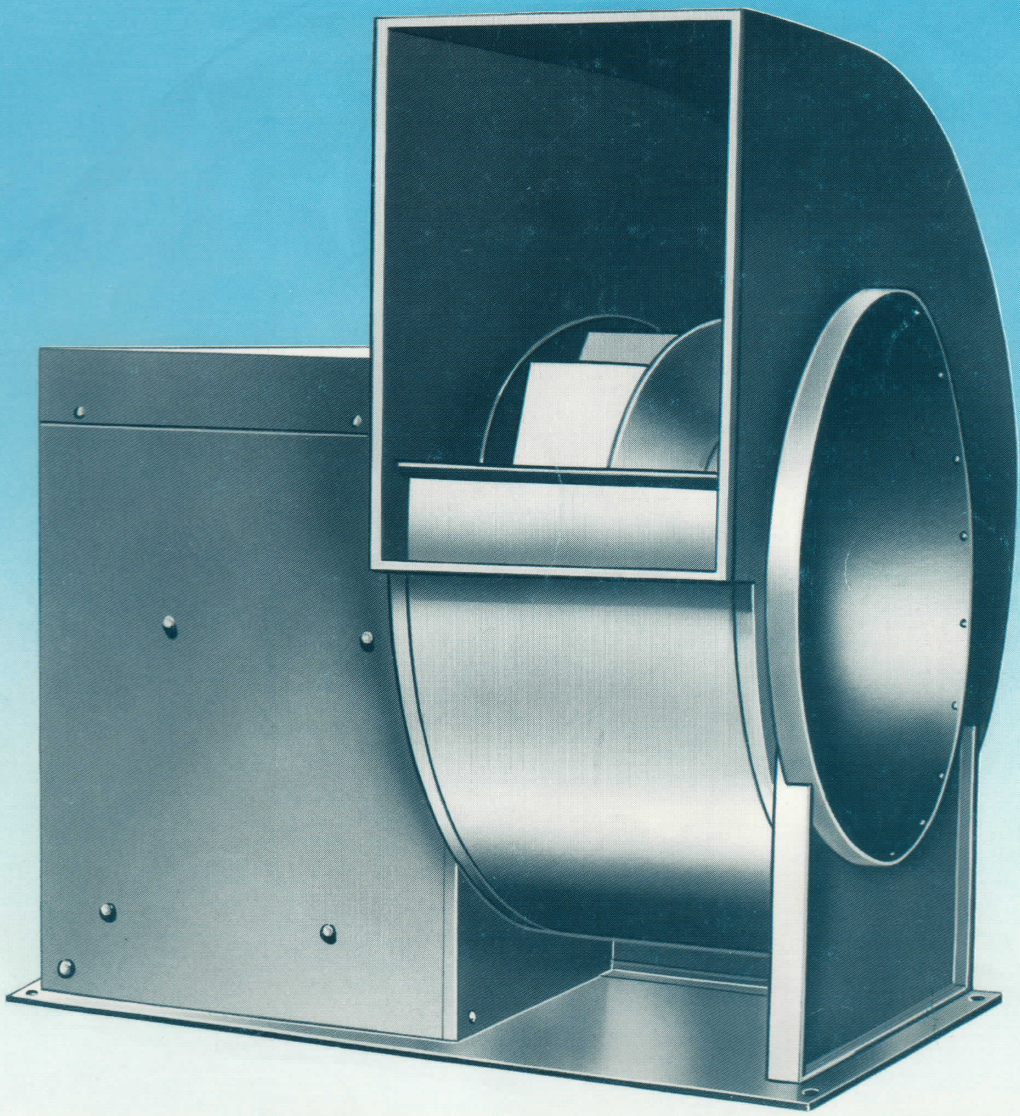
SHELDONS ENGINEERING

Leaders in Fan Technology

UTILITY FAN SETS

Economical Packaged Fan Units For Small and Medium Ventilation Requirements

Catalogue No. 365B-81
Supersedes Catalogue No. 365B (Issue 6-76)



UTILITY SETS

Utility Sets are a useful economical, packaged fan unit, suitable for the majority of small and medium size ventilation requirements and where quietness of operation is a desirable feature.

Sheldons Utility Sets are self contained, comprising a single width, single inlet fan, V-belt drive, and a motor of the required size, all pre-assembled and run at the factory. This eliminates lining up motors and drives at the site. Each unit requires only site installation and electrical connections.

Utility Sets may be used on all installations having moderate ventilation requirements, in buildings such as schools, hospitals, offices, warehouses, laboratories, laundries, and many industrial applications. With the addition of a weatherhood this unit is ideally suited for outdoor installation.

VERSATILITY FAN SETS

Versatility Fans have been designed to provide further economy of building space, and comprise a single width, single inlet centrifugal fan, housing of square panel construction. Flanged mounting on four sides, adapts to any mounting requirement.

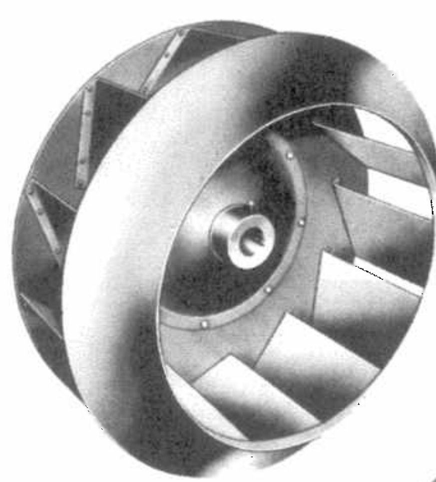
Heavy duty self-aligning grease lubricated ball bearings, designed for ease of maintenance with a flange type on the drive side and pillow block type on the inlet side. Versatility Fan Sets require the minimum floor space. A complete package unit with factory-assembled motor and drive.

UTILITY AND VERSATILITY FANS can be furnished with Type 'F' forward curved wheels or type 'B' backward inclined wheels as desired. All wheels are statically and dynamically balanced at the factory to insure quiet trouble free operation.

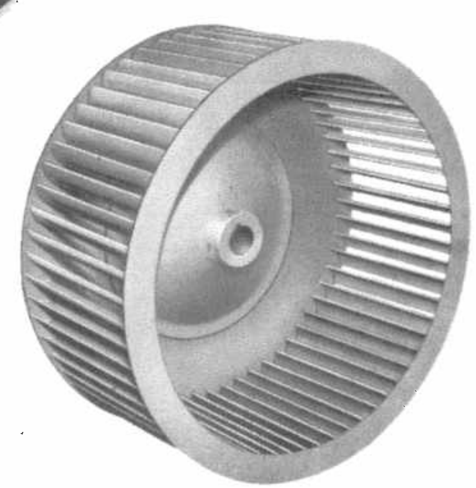
Weatherhoods, discharge cowls, outlet shutters, inlet or outlet screens are available to provide motor and drive protection for all outdoor installations.

AMCA CERTIFIED RATING SEAL

Sheldons certifies that the Type F and Type BI Utility and Versatility Fan sets shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests made in accordance with AMCA Standard 210 and comply with the requirements of the AMCA Certified Ratings Progam.



TYPE "BI" WHEEL — flat backwardly-inclined blades designed for high static efficiencies. Non-overloading horse-power characteristics.

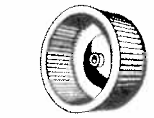


TYPE F WHEEL — forward curved blades enable a large quantity of air to be handled by a relatively small fan. With the lower fan speed mechanical noise is kept to a minimum.

UTILITY SETS
VERSATILITY FAN SETS

SIZE 122 F

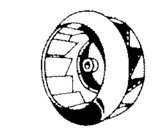
WHEEL — 12¼" DIA. — 3.21' CIRC. OUTLET AREA — 0.86 SQ. FT.



CFM	O. V. FPM	SIZE	HP	¼" SP RPM	¼" SP BHP	⅜" SP RPM	⅜" SP BHP	½" SP RPM	½" SP BHP	⅝" SP RPM	⅝" SP BHP	¾" SP RPM	¾" SP BHP	⅞" SP RPM	⅞" SP BHP	1" SP RPM	1" SP BHP	1¼" SP RPM	1¼" SP BHP	1½" SP RPM	1½" SP BHP	1¾" SP RPM	1¾" SP BHP
773	900			487	.06	565																	
859	1000			510	.08	579	.10	649	.13														
945	1100			535	.09	596	.12	660	.14	725	.18												
1031	1200			560	.11	618	.14	676	.17	734	.20	794	.23										
1117	1300	122-02F	1/4	582	.13	643	.16	694	.19	749	.22	803	.25	858	.29								
1203	1400			606	.16	669	.19	717	.22	766	.25	817	.28	866	.32	918	.36						
1289	1500			630	.18	692	.21	742	.24	786	.28	833	.31	880	.35	927	.39	1027	.48				
1375	1600			655	.21	715	.24	768	.28	810	.31	852	.35	896	.39	941	.43	1028	.51				
1461	1700			681	.24	738	.28	792	.32	835	.35	875	.39	915	.43	956	.47	1039	.56	1123	.65		
1547	1800	122-03F	1/3	707	.28	762	.32	815	.36	861	.40	899	.43	936	.47	975	.52	1053	.61	1130	.70	1214	.81
1633	1900			734	.32	788	.36	838	.40	885	.44	925	.48	960	.52	995	.56	1069	.66	1143	.75	1216	.85
1719	2000			762	.37	813	.41	861	.45	908	.49	950	.54	985	.58	1019	.62	1087	.71	1158	.81	1228	.92
1805	2100	122-05F	1/2	792	.42	838	.46	885	.50	931	.55	974	.59	1011	.64	1043	.68	1107	.77	1174	.87	1242	.98
1891	2200			821	.47	864	.51	911	.56	954	.60	997	.65	1036	.70	1070	.74	1131	.84	1193	.94	1257	1.05
1977	2300			852	.51	891	.57	936	.62	978	.67	1020	.72	1060	.77	1095	.82	1154	.91	1213	1.02	1274	1.13
2063	2400			882	.57	919	.64	962	.69	1003	.74	1043	.79	1082	.84	1119	.89	1180	.99	1237	1.1[illegible]	1293	1.21
2149	2500	122-07F	3/4	911	.62	949	.71	988	.76	1029	.81	1067	.86	1105	.92	1142	.97	1206	1.08	1260	1.18	1313	1.29
2235	2600			944	.71	977	.78	1014	.83	1054	.89	1091	.94	1128	1.00	1164	1.05	1231	1.17	1285	1.27	1337	1.39
2321	2700			976	.80	1007	.86	1041	.92	1079	.97	1117	1.03	1152	1.09	1188	1.15	1255	1.26	1311	1.37	1361	1.49
2407	2800	122-10F	1	1007	.89	1038	.93	1070	1.01	1105	1.06	1143	1.12	1176	1.18	1211	1.24	1278	1.36	1337	1.48		
2493	2900			1038	1.00	1068	1.01	1099	1.10	1132	1.16	1168	1.22	1202	1.28	1235	1.34	1299	1.46				
2579	3000			1071	1.09	1098	1.09	1128	1.20	1159	1.26	1193	1.32	1228	1.39	1259	1.45						
2665	3100	122-15F	1 ½	1102	1.20	1128	1.19	1157	1.30	1187	1.37	1220	1 43	1253	1.50								
2751	3200			1134	1.31	1161	1.32	1188	1.40	1217	1.49												
2837	3300			1165	1.42	1193	1.46	1219	1.50														

SIZE 122 B.I.

WHEEL DIA. 12¼" OUTLET AREA 0.86 SQ FT

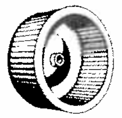


CFM	O. V. FPM	SIZE	HP	¼" SP RPM	¼" SP BHP	⅜" SP RPM	⅜" SP BHP	½" SP RPM	½" SP BHP	⅝" SP RPM	⅝" SP BHP	¾" SP RPM	¾" SP BHP	⅞" SP RPM	⅞" SP BHP	1" SP RPM	1" SP BHP	1¼" SP RPM	1¼" SP BHP
687	800			909	0.06	1013	0.09	1107	0.11	1196	0.13	1280	0.16	1360	0.18	1437	0.21	1582	0.28
773	900			969	0.08	1067	0.10	1157	0.13	1241	0.15	1320	0.18	1396	0.20	1470	0.23	1608	0.30
859	1000			1028	0.09	1125	0.12	1210	0.15	1290	0.17	1366	0.20	1438	0.23	1508	0.26	1641	0.33
945	1100	122-02B	1/4	1090	0.11	1185	0.14	1267	0.17	1343	0.20	1416	0.23	1485	0.26	1551	0.29	1679	0.36
1031	1200			1153	0.13	1245	0.16	1326	0.20	1400	0.23	1468	0.26	1536	0.30	1600	0.33	1720	0.39
1117	1300			1218	0.16	1305	0.19	1386	0.23	1458	0.26	1525	0.30	1588	0.33	1650	0.37	1768	0.44
1203	1400			1283	0.18	1368	0.22	1446	0.26	1518	0.30	1583	0.34	1645	0.37	1703	0.41	1818	0.49
1289	1500			1349	0.21	1432	0.25	1507	0.29	1577	0.33	1643	0.38	1703	0.42	1760	0.46	1869	0.54
1375	1600			1417	0.25	1497	0.29	1570	0.33	1637	0.37	1702	0.42	1762	0.46	1818	0.51	1924	0.60
1461	1700	122-03B	1/3	1485	0.29	1562	0.33	1633	0.37	1699	0.42	1762	0.47	1822	0.51	1878	0.56	1981	0.66
1547	1800			1554	0.33	1628	0.37	1697	0.42	1762	0.47	1822	0.52	1882	0.57	1938	0.62	2039	0.72
1633	1900			1623	0.37	1695	0.42	1762	0.47	1826	0.52	1885	0.57	1942	0.62	1997	0.68	2099	0.78
1719	2000	122-05B	1/2	1694	0.43	1763	0.48	1828	0.53	1890	0.58	1948	0.64	2003	0.69	2057	0.74	2159	0.85
1805	2100			1764	0.48	1831	0.54	1894	0.59	1955	0.65	2012	0.70	2066	0.76	2118	0.81	2218	0.93
1891	2200			1835	0.54	1900	0.60	1961	0.66	2020	0.71	2076	0.77	2130	0.83	2180	0.89	2278	1.01
1977	2300	122-07B	3/4	1907	0.61	1970	0.67	2029	0.73	2086	0.78	2141	0.85	2194	0.91	2244	0.97	2339	1.09
2063	2400			1978	0.68	2039	0.74	2097	0.80	2153	0.87	2206	0.93	2258	0.99	2307	1.06	2400	1.18
2149	2500	122-10B	1	2050	0.75	2110	0.82	2166	0.89	2220	0.95	2272	1.01	2323	1.08	2371	1.15	2463	1.28
2235	2600			2123	0.84	2181	0.91	2236	0.97	2288	1.04	2339	1.11	2388	1.18	2436	1.25	2527	1.39
2407	2800	122-15B	1 ½	2269	1.03	2323	1.10	2375	1.17	2425	1.24	2474	1.32	2521	1.39	2566	1.46		
2579	3000			2416	1.25	2467	1.32	2516	1.40										

CFM	O. V. FPM	SIZE	HP	1½" SP RPM	1½" SP BHP	1¾" SP RPM	1¾" SP BHP	2" SP RPM	2" SP BHP	2¼" SP RPM	2¼" SP BHP	2½" SP RPM	2½" SP BHP	2¾" SP RPM	2¾" SP BHP	3" SP RPM	3" SP BHP	3½" SP RPM	3½" SP BHP
1031	1200			1837	0.47	1948	0.55	2052	0.63	2155	0.72	2254	0.82	2350	0.92				
1117	1300			1878	0.51	1986	0.59	2088	0.68	2187	0.76	2282	0.86	2375	0.96	2465	1.07		
1203	1400	122-07B	3/4	1925	0.56	2027	0.64	2127	0.73	2223	0.82	2316	0.91	2404	1.01	2493	1.12	2661	1.34
1289	1500			1974	0.62	2074	0.70	2169	0.78	2262	0.88	2352	0.97	2440	1.07	2524	1.18	2689	1.40
1375	1600			2026	0.68	2122	0.77	2215	0.85	2304	0.94	2393	1.04	2477	1.14	2561	1.25	2720	1.46
1461	1700			2078	0.75	2173	0.84	2264	0.93	2351	1.02	2434	1.11	2519	1.22	2599	1.32		
1547	1800	122-10B	1	2135	0.82	2225	0.91	2315	1.01	2400	1.11	2482	1.20	2561	1.30	2641	1.41		
1633	1900			2192	0.89	2281	0.99	2366	1.10	2450	1.20	2531	1.30	2609	1.40	2685	1.50		
1719	2000			2251	0.97	2338	1.08	2421	1.19	2502	1.29	2581	1.40	2658	1.50				
1805	2100			2310	1.05	2396	1.16	2477	1.28	2555	1.39	2633	1.51						
1891	2200	122-15B	1 ½	2371	1.13	2455	1.25	2535	1.37	2612	1.50								
1977	2300			2430	1.22	2515	1.35	2594	1.48										
2063	2400			2490	1.32	2575	1.45												

Performance shown is for Type F & B Utility and Versatility Fans with outlet duct, based on air at .075 lb. per cu. ft. density (70°F 29.92 Hg. Barometer). BHP shown does not include belt losses.

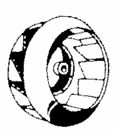
UTILITY SETS
VERSATILITY FAN SETS



WHEEL — 13½" DIA. — 3.53' CIRC. OUTLET AREA — 1.04 SQ. FT.

SIZE 135 F

CFM	O. V. FPM	SIZE	HP	¼" SP RPM	¼" SP BHP	⅜" SP RPM	⅜" SP BHP	½" SP RPM	½" SP BHP	⅝" SP RPM	⅝" SP BHP	¾" SP RPM	¾" SP BHP	⅞" SP RPM	⅞" SP BHP	1" SP RPM	1" SP BHP	1¼" SP RPM	1¼" SP BHP	1½" SP RPM	1½" SP BHP	1¾" SP RPM	1¾" SP BHP
935	900			442	.08	512	.11																
1039	1000			462	.09	525	.12	589	.16														
1143	1100			484	.11	540	.14	599	.18	658	.21												
1247	1200	135-02F	1/4	507	.13	560	.17	612	.20	666	.24	721	.28										
1351	1300			527	.16	582	.19	629	.23	679	.27	728	.31	778	.35								
1455	1400			548	.19	605	.22	650	.26	694	.30	740	.34	785	.39	832	.43						
1559	1500			570	.22	627	.26	672	.29	712	.34	755	.38	798	.42	840	.47	932	.58				
1663	1600			593	.25	647	.29	695	.34	734	.38	772	.42	812	.47	853	.52	932	.62				
1767	1700	135-03F	1/3	616	.29	668	.34	717	.38	756	.42	792	.47	829	.52	867	.57	942	.67	1019	.79		
1871	1800			639	.34	690	.38	738	.43	780	.48	814	.52	848	.57	883	.62	955	.73	1024	.84	1101	.97
1975	1900			664	.38	713	.43	758	.48	802	.53	837	.58	870	.63	901	.68	969	.79	1036	.91	1103	1.03
2079	2000	135-05F	1/2	690	.44	736	.49	780	.54	822	.59	861	.64	892	.69	923	.75	985	.86	1049	.98	1113	1.10
2183	2100			716	.50	758	.55	801	.60	843	.66	882	.71	916	.77	945	.82	1003	.93	1064	1.05	1125	1.18
2287	2200			742	.56	782	.61	824	.67	864	.73	902	.79	938	.84	968	.90	1024	1.01	1081	1.14	1139	1.27
2391	2300	135-07F	3/4	770	.62	806	.69	847	.75	885	.80	923	.86	959	.92	992	.98	1046	1.10	1099	1.22	1155	1.36
2495	2400			797	.68	831	.76	870	.83	908	.89	944	.95	979	1.01	1013	1.08	1069	1.19	1120	1.32	1171	1.46
2599	2500			824	.75	858	.85	894	.91	931	.98	966	1.04	1000	1.10	1034	1.17	1092	1.30	1141	1.43	1190	1.56
2703	2600	135-10F	1	853	.85	884	.94	917	1.00	954	1.07	987	1.13	1021	1.20	1054	1.27	1115	1.41	1164	1.53	1211	1.67
2807	2700			882	.96	910	1.03	942	1.10	977	1.17	1011	1.24	1043	1.31	1075	1.38	1137	1.52	1187	1.65	1233	1.80
2911	2800			910	1.07	938	1.12	968	1.21	1000	1.28	1034	1.35	1065	1.42	1096	1.49	1157	1.64	1211	1.79	1255	1.92
3015	2900	135-15F	1½	939	1.19	966	1.21	994	1.33	1024	1.39	1057	1.47	1088	1.54	1118	1.61	1177	1.76	1233	1.92		
3119	3000			968	1.31	993	1.31	1020	1.45	1049	1.52	1079	1.59	1111	1.67	1140	1.74	1198	1.90				
3223	3100			997	1.44	1020	1.42	1046	1.57	1074	1.65	1103	1.72	1134	1.81	1163	1.88						
3327	3200	135-20F	2	1025	1.57	1049	1.58	1074	1.69	1100	1.79	1127	1.86	1157	1.95								
3431	3300			1053	1.71	1078	1.74	1102	1.81	1127	1.94												



WHEEL DIA. 13½" OUTLET AREA 1.04 SQ FT

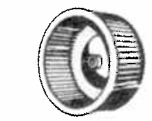
SIZE 135 B.I.

CFM	O. V. FPM	SIZE	HP	¼" SP RPM	¼" SP BHP	⅜" SP RPM	⅜" SP BHP	½" SP RPM	½" SP BHP	⅝" SP RPM	⅝" SP BHP	¾" SP RPM	¾" SP BHP	⅞" SP RPM	⅞" SP BHP	1" SP RPM	1" SP BHP	1¼" SP RPM	1¼" SP BHP
831	800			821	0.08	916	0.10	1002	0.13	1083	0.16	1159	0.19	1231	0.22	1301	0.26	1434	0.34
935	900			875	0.09	965	0.12	1047	0.15	1123	0.18	1195	0.21	1264	0.25	1331	0.28	1456	0.36
1039	1000			929	0.11	1017	0.15	1094	0.18	1167	0.21	1236	0.24	1301	0.28	1365	0.31	1486	0.39
1143	1100	135-02B	1/4	984	0.13	1071	0.17	1145	0.21	1214	0.24	1281	0.28	1344	0.31	1404	0.35	1520	0.43
1247	1200			1042	0.16	1125	0.20	1199	0.24	1265	0.28	1327	0.32	1389	0.36	1447	0.40	1557	0.47
1351	1300			1100	0.19	1179	0.23	1253	0.27	1318	0.32	1379	0.36	1436	0.40	1493	0.44	1600	0.53
1455	1400			1158	0.22	1236	0.26	1306	0.31	1372	0.36	1431	0.40	1487	0.45	1540	0.50	1644	0.59
1559	1500	135-03B	1/3	1218	0.26	1293	0.30	1361	0.35	1425	0.40	1484	0.45	1539	0.50	1591	0.55	1691	0.65
1663	1600			1279	0.30	1351	0.35	1418	0.40	1479	0.45	1538	0.51	1592	0.56	1643	0.61	1740	0.72
1767	1700			1340	0.34	1410	0.40	1475	0.45	1535	0.50	1592	0.56	1647	0.62	1697	0.68	1791	0.79
1871	1800	135-05B	1/2	1402	0.39	1469	0.45	1533	0.51	1591	0.56	1646	0.62	1700	0.68	1751	0.74	1843	0.86
1975	1900			1465	0.45	1530	0.51	1591	0.57	1649	0.63	1703	0.69	1754	0.75	1805	0.82	1897	0.95
2079	2000			1528	0.51	1591	0.57	1650	0.63	1707	0.70	1759	0.76	1810	0.83	1859	0.89	1951	1.03
2183	2100	135-07B	3/4	1591	0.58	1653	0.64	1710	0.71	1765	0.78	1817	0.84	1866	0.91	1913	0.97	2005	1.12
2287	2200			1655	0.65	1715	0.72	1770	0.79	1824	0.86	1875	0.93	1923	1.00	1969	1.07	2058	1.21
2391	2300			1720	0.73	1777	0.80	1831	0.87	1883	0.94	1933	1.02	1981	1.09	2026	1.17	2113	1.31
2495	2400	135-10B	1	1784	0.81	1840	0.89	1893	0.97	1943	1.04	1992	1.12	2039	1.19	2084	1.27	2168	1.42
2599	2500			1849	0.90	1903	0.99	1955	1.06	2004	1.14	2051	1.22	2097	1.30	2142	1.38		
2703	2600	135-15B	1½	1915	1.00	1967	1.09	2017	1.17	2065	1.25	2111	1.33	2156	1.42	2200	1.50		
2911	2800			2046	1.23	2095	1.32	2143	1.41	2189	1.49								

CFM	O. V. FPM	SIZE	HP	1½" SP RPM	1½" SP BHP	1¾" SP RPM	1¾" SP BHP	2" SP RPM	2" SP BHP	2¼" SP RPM	2¼" SP BHP	2½" SP RPM	2½" SP BHP	2¾" SP RPM	2¾" SP BHP	3" SP RPM	3" SP BHP	3½" SP RPM	3½" SP BHP
1247	1200			1663	0.56	1763	0.66	1858	0.76	1952	0.87	2041	0.99	2129	1.12				
1351	1300	135-07B	3/4	1700	0.62	1798	0.71	1891	0.82	1980	0.92	2067	1.04	2152	1.17	2233	1.29		
1455	1400			1742	0.68	1835	0.77	1926	0.88	2012	0.99	2097	1.10	2177	1.22	2258	1.36	2410	1.63
1559	1500			1786	0.75	1876	0.85	1963	0.95	2048	1.06	2129	1.17	2209	1.30	2286	1.42	2436	1.70
1663	1600	135-10B	1	1832	0.82	1920	0.92	2004	1.03	2085	1.14	2166	1.26	2243	1.38	2318	1.51	2463	1.77
1767	1700			1879	0.90	1966	1.01	2048	1.12	2127	1.23	2203	1.34	2280	1.47	2353	1.60	2495	1.87
1871	1800			1930	0.99	2012	1.10	2094	1.22	2171	1.33	2246	1.45	2318	1.57	2390	1.70	2528	1.97
1975	1900	135-15B	1½	1982	1.07	2062	1.20	2140	1.32	2216	1.44	2290	1.56	2361	1.69	2429	1.81		
2079	2000			2034	1.16	2113	1.30	2189	1.43	2263	1.56	2335	1.69	2405	1.81	2473	1.95		
2183	2100			2088	1.26	2165	1.40	2240	1.54	2310	1.68	2381	1.81	2450	1.95				
2287	2200			2142	1.36	2219	1.51	2291	1.66	2361	1.80	2429	1.95						
2391	2300			2196	1.47	2272	1.63	2344	1.78	2413	1.93								
2495	2400	135-20B	2	2250	1.58	2327	1.74	2398	1.91										
2599	2500			2304	1.70	2380	1.87												
2703	2600			2359	1.83														

Performance shown is for Type F & B Utility and Versatility Fans with outlet duct, based on air at .075 lb. per cu. ft. density (70°F 29.92 Hg. Barometer). BHP shown does not include belt losses.

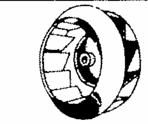
UTILITY SETS
VERSATILITY FAN SETS



SIZE 150 F

WHEEL — 15" DIA. — 3.93' CIRC. OUTLET AREA — 1.28 SQ. FT.

CFM	O. V. FPM	SIZE	HP	¼" SP RPM	¼" SP BHP	⅜" SP RPM	⅜" SP BHP	½" SP RPM	½" SP BHP	⅝" SP RPM	⅝" SP BHP	¾" SP RPM	¾" SP BHP	⅞" SP RPM	⅞" SP BHP	1" SP RPM	1" SP BHP	1¼" SP RPM	1¼" SP BHP	1½" SP RPM	1½" SP BHP	1¾" SP RPM	1¾" SP BHP
1151	900			397	.10	461	.13																
1279	1000			415	.11	472	.15	530	.19														
1407	1100	150-02F	1/4	435	.14	486	.17	539	.22	592	.26												
1535	1200			455	.17	503	.20	551	.25	599	.29	649	.34										
1663	1300			473	.19	523	.24	566	.28	610	.33	654	.38	701	.42								
1791	1400			493	.23	544	.27	584	.32	624	.37	666	.42	703	.46	749	.52						
1919	1500	150-03F	1/3	512	.27	563	.32	603	.36	640	.41	679	.46	713	.50	752	.56	843	.71				
2047	1600			533	.31	581	.36	625	.41	659	.46	694	.52	725	.56	762	.61	837	.74	827	.91		
2175	1700	150-05F	1/2	553	.36	600	.41	644	.47	680	.52	712	.58	739	.61	774	.67	843	.80	918	.95	1003	1.14
2303	1800			574	.41	620	.47	663	.53	701	.58	731	.64	755	.67	788	.73	853	.86	919	1.01	995	1.18
2431	1900			596	.47	640	.53	681	.59	720	.65	752	.71	773	.74	803	.80	865	.94	927	1.08	991	1.24
2559	2000	150-07F	3/4	619	.54	661	.60	701	.66	739	.73	773	.79	792	.81	820	.88	879	1.02	938	1.16	996	1.31
2687	2100			643	.61	681	.67	720	.74	757	.81	793	.88	812	.89	839	.96	893	1.10	950	1.25	1007	1.40
2815	2200			666	.60	702	.75	741	.82	776	.89	811	.96	833	.98	859	1.05	910	1.19	964	1.34	1018	1.51
2943	2300			691	.76	724	.84	761	.91	796	.98	829	1.06	852	1.08	880	1.15	929	1.29	979	1.44	1030	1.61
3071	2400	150-10F	1	716	.84	746	.94	782	1.01	815	1.08	848	1.16	870	1.18	900	1.26	948	1.40	995	1.55	1045	1.72
3199	2500			740	.92	770	1.04	802	1.12	836	1.20	868	1.27	887	1.28	918	1.37	969	1.51	1014	1.67	1060	1.84
3327	2600			766	1.03	794	1.15	824	1.23	857	1.31	887	1.39	906	1.40	936	1.48	989	1.64	1033	1.80	1076	1.97
3455	2700	150-15F	1½	792	1.17	817	1.27	846	1.35	877	1.44	908	1.52	925	1.52	954	1.60	1009	1.76	1053	1.94	1096	2.11
3583	2800			817	1.31	842	1.38	869	1.48	898	1.57	929	1.66	944	1.65	973	1.74	1028	1.92	1074	2.08	1114	2.26
3711	2900			842	1.46	867	1.49	893	1.62	920	1.70	950	1.80	963	1.78	991	1.88	1046	2.06	1094	2.24	1134	2.41
3839	3000			869	1.61	891	1.61	916	1.77	942	1.86	970	1.95	984	1.94	1010	2.02	1063	2.21	1113	2.41	1155	2.58
3967	3100	150-20F	2	894	1.76	915	1.74	939	1.92	964	2.02	991	2.11	1004	2.09	1030	2.18	1082	2.38	1132	2.57	1175	2.77
4095	3200			920	1.92	942	1.93	964	2.07	988	2.19	1012	2.28	1024	2.26	1050	2.35	1100	2.55	1149	2.75	1195	2.96
4223	3300	150-30F	3	945	2.09	968	2.13	989	2.22	1012	2.38	1035	2.47	1044	2.43	1070	2.53	1119	2.73	1167	2.93		



SIZE 150 B.I.

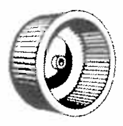
WHEEL — 15" DIA. — 3.93' CIRC. OUTLET AREA — 1.28 SQ. FT.

CFM	O. V. FPM	SIZE	HP	¼" SP RPM	¼" SP BHP	⅜" SP RPM	⅜" SP BHP	½" SP RPM	½" SP BHP	⅝" SP RPM	⅝" SP BHP	¾" SP RPM	¾" SP BHP	⅞" SP RPM	⅞" SP BHP	1" SP RPM	1" SP BHP	1¼" SP RPM	1¼" SP BHP
1023	800			738	0.09	823	0.13	901	0.16	973	0.19	1042	0.23	1107	0.27	1171	0.32	1290	0.42
1151	900			786	0.11	867	0.15	941	0.19	1009	0.22	1074	0.26	1136	0.30	1197	0.35	1310	0.45
1279	1000			835	0.14	914	0.18	983	0.22	1049	0.26	1111	0.30	1170	0.34	1228	0.39	1336	0.48
1407	1100	150-02B	1/4	884	0.16	962	0.21	1029	0.25	1091	0.30	1151	0.34	1208	0.39	1262	0.43	1366	0.53
1535	1200			935	0.19	1010	0.24	1077	0.29	1137	0.34	1193	0.39	1248	0.44	1301	0.49	1400	0.58
1663	1300			987	0.23	1059	0.28	1125	0.33	1184	0.39	1239	0.44	1290	0.49	1342	0.55	1438	0.65
1791	1400	150-03B	1/3	1040	0.27	1110	0.32	1174	0.38	1232	0.44	1286	0.50	1336	0.55	1384	0.61	1478	0.72
1919	1500			1094	0.31	1162	0.37	1223	0.43	1281	0.49	1334	0.56	1383	0.62	1430	0.68	1520	0.80
2047	1600			1148	0.36	1214	0.43	1273	0.49	1329	0.55	1382	0.62	1431	0.69	1477	0.75	1563	0.88
2175	1700	150-05B	1/2	1203	0.42	1266	0.49	1325	0.55	1379	0.62	1430	0.69	1480	0.76	1525	0.83	1609	0.97
2303	1800			1259	0.48	1319	0.55	1377	0.62	1429	0.69	1479	0.76	1527	0.84	1573	0.91	1656	1.06
2431	1900			1315	0.55	1374	0.62	1429	0.70	1481	0.77	1529	0.85	1576	0.92	1621	1.00	1704	1.16
2559	2000	150-07B	3/4	1372	0.62	1428	0.70	1482	0.78	1533	0.86	1580	0.94	1625	1.01	1670	1.10	1753	1.26
2687	2100			1429	0.71	1484	0.79	1535	0.87	1585	0.95	1632	1.03	1676	1.12	1719	1.20	1801	1.37
2815	2200	150-10B	1	1486	0.80	1539	0.88	1590	0.96	1638	1.05	1684	1.14	1727	1.22	1769	1.31	1849	1.49
2943	2300			1544	0.89	1595	0.98	1644	1.07	1691	1.16	1736	1.25	1779	1.34	1820	1.43	1898	1.61
3071	2400			1602	1.00	1652	1.09	1699	1.18	1745	1.27	1789	1.37	1831	1.46	1871	1.56	1948	1.75
3199	2500	150-15B	1½	1660	1.11	1709	1.21	1755	1.30	1799	1.40	1842	1.49	1883	1.60	1923	1.69	1998	1.89
3327	2600			1718	1.23	1766	1.34	1811	1.43	1854	1.53	1896	1.63	1936	1.74	1975	1.84	2049	2.04
3583	2800	150-20B	2	1836	1.51	1881	1.62	1924	1.72	1965	1.83	2005	1.94	2043	2.04	2081	2.15	2153	2.37
3839	3000			1955	1.83	1997	1.93	2038	2.05	2077	2.16	2115	2.28	2152	2.40	2188	2.51	2257	2.75
4095	3200	150-30B	3	2075	2.19	2114	2.29	2153	2.42	2190	2.54	2227	2.66	2262	2.79	2297	2.91		

CFM	O. V. FPM	SIZE	HP	1½" SP RPM	1½" SP BHP	1¾" SP RPM	1¾" SP BHP	2" SP RPM	2" SP BHP	2¼" SP RPM	2¼" SP BHP	2½" SP RPM	2½" SP BHP	2¾" SP RPM	2¾" SP BHP	3" SP RPM	3" SP BHP	3½" SP RPM	3½" SP BHP
1535	1200			1495	0.69	1588	0.81	1674	0.94	1758	1.08	1839	1.22	1918	1.38				
1663	1300			1529	0.76	1619	0.88	1703	1.01	1783	1.14	1862	1.28	1938	1.44	2011	1.59		
1791	1400	150-10B	1	1566	0.83	1652	0.95	1734	1.08	1812	1.22	1888	1.36	1961	1.50	2034	1.67	2171	2.01
1919	1500			1605	0.92	1690	1.04	1768	1.17	1844	1.30	1918	1.45	1990	1.60	2059	1.75	2194	2.09
2047	1600			1647	1.01	1729	1.14	1805	1.27	1878	1.40	1950	1.55	2020	1.69	2088	1.86	2218	2.18
2175	1700			1689	1.11	1770	1.24	1844	1.38	1916	1.52	1984	1.65	2053	1.81	2119	1.97	2247	2.30
2303	1800	150-15B	1½	1734	1.21	1812	1.36	1885	1.50	1955	1.64	2022	1.79	2087	1.93	2153	2.09	2277	2.43
2431	1900			1781	1.32	1857	1.47	1927	1.63	1996	1.77	2062	1.92	2126	2.08	2188	2.23	2310	2.57
2559	2000			1828	1.43	1903	1.60	1971	1.76	2037	1.92	2103	2.07	2165	2.23	2227	2.39	2344	2.72
2687	2100			1876	1.55	1950	1.72	2017	1.90	2080	2.07	2144	2.23	2206	2.40	2266	2.56	2382	2.90
2815	2200	150-20B	2	1925	1.67	1997	1.86	2063	2.04	2126	2.22	2187	2.40	2248	2.57	2307	2.74		
2943	2300			1973	1.81	2046	2.00	2110	2.19	2173	2.38	2232	2.57	2290	2.75	2349	2.93		
3071	2400			2021	1.95	2095	2.15	2159	2.35	2220	2.54	2279	2.74	2336	2.94				
3199	2500			2070	2.09	2143	2.30	2207	2.51	2268	2.72	2326	2.92						
3327	2600	150-30B	3	2119	2.24	2191	2.47	2256	2.68	2316	2.90								
3583	2800			2220	2.60														

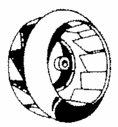
Performance shown is for Type F & B Utility and Versatility Fans with outlet duct, based on air at .075 lb. per cu. ft. density (70°F 29.92 Hg. Barometer). BHP shown does not include belt losses.

UTILITY SETS
VERSATILITY FAN SETS



WHEEL — 16½" DIA. — 4.32' CIRC. OUTLET AREA — 1.56 SQ. FT. **SIZE 165 F**

CFM	O. V. FPM	SIZE	HP	¼" SP		⅜" SP		½" SP		⅝" SP		¾" SP		⅞" SP		1" SP		1¼" SP		1½" SP		1¾" SP	
				RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1403	900			362	.12	419	.16																
1559	1000			378	.14	430	.18	482	.23														
1715	1100			397	.17	443	.21	490	.26	538	.32												
1871	1200	165-03F	1/3	415	.20	459	.25	502	.30	545	.36	589	.42										
2027	1300			432	.24	477	.29	516	.34	556	.40	596	.46	637	.53								
2183	1400			450	.28	496	.34	533	.39	569	.45	606	.51	643	.58	681	.65						
2339	1500			467	.33	514	.39	551	.44	584	.50	618	.57	654	.64	688	.71	762	.87				
2495	1600	165-05F	1/2	486	.38	530	.44	570	.51	602	.57	633	.63	665	.70	698	.78	763	.93				
2651	1700			505	.44	548	.51	588	.58	620	.64	650	.71	679	.78	710	.85	771	1.01	834	1.18		
2807	1800			525	.51	566	.58	605	.65	639	.72	667	.78	695	.86	724	.93	782	1.10	839	1.27	901	1.46
2963	1900	165-07F	3/4	545	.58	585	.65	622	.73	657	.80	687	.87	713	.95	739	1.02	794	1.19	849	1.36	903	1.55
3119	2000			566	.66	604	.74	639	.81	674	.89	706	.97	732	1.04	757	1.12	807	1.29	860	1.48	912	1.66
3275	2100			588	.75	622	.83	657	.91	691	.99	723	1.07	751	1.15	775	1.23	822	1.40	872	1.58	922	1.78
3431	2200	165-10F	1	609	.84	642	.93	676	1.01	708	1.10	740	1.18	769	1.27	794	1.35	840	1.52	886	1.71	933	1.91
3587	2300			632	.93	662	1.04	695	1.13	726	1.21	757	1.30	787	1.39	813	1.48	857	1.66	900	1.84	946	2.04
3743	2400			655	1.03	682	1.15	714	1.25	745	1.34	774	1.43	803	1.52	831	1.62	876	1.80	918	1.99	960	2.19
3899	2500	165-15F	1½	677	1.13	704	1.29	733	1.37	764	1.47	792	1.56	820	1.66	848	1.76	896	1.95	936	2.15	975	2.35
4055	2600			700	1.28	726	1.42	753	1.51	783	1.62	810	1.71	838	1.81	864	1.91	914	2.12	954	2.31	993	2.52
4211	2700			724	1.45	747	1.56	773	1.66	801	1.77	829	1.87	855	1.97	882	2.08	932	2.29	974	2.49	1010	2.70
4367	2800			748	1.62	770	1.69	794	1.83	821	1.93	848	2.04	873	2.14	899	2.25	949	2.47	993	2.69	1029	2.90
4523	2900	165-20F	2	771	1.80	793	1.83	816	2.00	840	2.10	867	2.22	893	2.33	917	2.43	965	2.65	1011	2.90		
4679	3000			795	1.99	815	1.98	837	2.18	860	2.29	886	2.40	911	2.52	935	2.63	983	2.87				
4835	3100			818	2.18	838	2.15	859	2.37	881	2.49	905	2.60	931	2.73	954	2.84						
4991	3200	165-30F	3	842	2.37	862	2.39	882	2.54	903	2.71	925	2.81	949	2.94								
5147	3300			865	2.58	885	2.64	905	2.73	925	2.93												



WHEEL — 16½" DIA. — 4.32' CIRC. OUTLET AREA — 1.56 SQ. FT. **SIZE 165 B.I.**

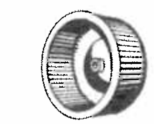
CFM	O. V. FPM	SIZE	HP	¼" SP		⅜" SP		½" SP		⅝" SP		¾" SP		⅞" SP		1" SP		1¼" SP	
				RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1248	800			641	0.09	724	0.12	802	0.16	877	0.19								
1403	900			673	0.10	757	0.14	829	0.18	899	0.22	965	0.26						
1559	1000			707	0.12	792	0.17	860	0.20	924	0.25	988	0.29	1049	0.34				
1715	1100	165-02B	1/4	748	0.14	824	0.19	896	0.24	955	0.28	1014	0.32	1072	0.37	1127	0.43		
1871	1200			792	0.17	857	0.22	930	0.27	992	0.32	1044	0.36	1099	0.41	1152	0.47	1254	0.58
2027	1300			836	0.20	897	0.25	961	0.30	1026	0.36	1081	0.41	1129	0.46	1180	0.51	1278	0.63
2184	1400			880	0.24	939	0.29	994	0.34	1058	0.40	1116	0.46	1167	0.52	1211	0.57	1303	0.69
2340	1500	165-03B	1/3	927	0.28	983	0.33	1035	0.38	1089	0.44	1149	0.51	1201	0.57	1248	0.63	1333	0.75
2496	1600			973	0.32	1027	0.38	1078	0.43	1126	0.49	1179	0.56	1234	0.63	1283	0.70	1367	0.82
2652	1700	165-05B	1/2	1020	0.37	1071	0.43	1121	0.49	1167	0.55	1213	0.61	1265	0.69	1316	0.76	1404	0.90
2808	1800			1069	0.43	1118	0.49	1165	0.55	1210	0.61	1252	0.68	1297	0.75	1347	0.83	1438	0.98
2964	1900			1118	0.49	1164	0.55	1209	0.62	1253	0.69	1294	0.75	1335	0.82	1378	0.90	1471	1.07
3119	2000			1168	0.56	1211	0.62	1254	0.69	1297	0.76	1337	0.83	1376	0.90	1414	0.97	1503	1.15
3276	2100	165-07B	3/4	1221	0.64	1258	0.70	1301	0.77	1341	0.84	1381	0.92	1419	0.99	1455	1.06	1533	1.23
3432	2200			1274	0.73	1307	0.78	1347	0.86	1386	0.93	1425	1.01	1462	1.09	1497	1.16	1568	1.32
3588	2300	165-10B	1	1328	0.82	1356	0.87	1394	0.95	1432	1.03	1469	1.11	1506	1.19	1540	1.27	1607	1.43
3744	2400			1381	0.92	1406	0.97	1441	1.05	1478	1.13	1513	1.21	1550	1.30	1584	1.38	1648	1.54
3900	2500			1435	1.03	1458	1.09	1489	1.16	1525	1.24	1559	1.33	1593	1.42	1628	1.50	1691	1.67
4056	2600	165-15B	1½	1488	1.15	1511	1.21	1538	1.28	1572	1.36	1606	1.45	1638	1.54	1672	1.63	1735	1.81
4367	2800			1594	1.41	1617	1.48	1637	1.54	1668	1.62	[illegible]	1.72	1731	1.82	1761	1.91	1823	2.11
4679	3000	165-20B	2	1692	1.69	1724	1.80	1743	1.86	1766	1.93	1794	2.02	1824	2.13	1854	2.23	1910	2.44
4991	3200	165-30B	3	1792	2.00	1831	2.15	1850	2.22	1867	2.28	1892	2.37	1918	2.47	1947	2.58	2001	2.80

CFM	O. V. FPM	SIZE	HP	1½" SP		1¾" SP		2" SP		2¼" SP		2½" SP		2¾" SP		3" SP		3½" SP	
				RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2184	1400			1394	0.82	1480	0.95												
2340	1500	150-10B	1	1419	0.88	1502	1.02	1583	1.16										
2496	1600			1448	0.95	1528	1.09	1605	1.24	1681	1.39	1754	1.52						
2652	1700			1478	1.03	1555	1.17	1631	1.33	1703	1.48	1775	1.64	1844	1.79				
2808	1800			1515	1.13	1585	1.27	1658	1.42	1729	1.58	1798	1.75	1865	1.91	1931	2.08		
2964	1900	150-15B	1½	1551	1.22	1620	1.37	1688	1.52	1755	1.68	1823	1.85	1888	2.03	1952	2.20	2077	2.53
3119	2000			1585	1.32	1657	1.48	1720	1.63	1785	1.80	1849	1.97	1914	2.15	1976	2.33	2098	2.71
3276	2100			1618	1.42	1692	1.59	1758	1.76	1816	1.92	1880	2.09	1940	2.27	2002	2.46	2119	2.85
3432	2200			1649	1.52	1725	1.71	1793	1.89	1854	2.06	1910	2.23	1971	2.41	2029	2.60	2145	3.00
3588	2300			1679	1.61	1757	1.83	[illegible]	2.02	1890	2.21	1947	2.39	2001	2.56	2059	2.75		
3744	2400	150-20B	2	1714	1.73	1788	1.94	1860	2.15	1925	2.35	1984	2.55	2038	2.73	2089	2.91		
3900	2500			1753	1.85	1819	2.06	1892	2.28	1958	2.50	2019	2.71	2075	2.91				
4056	2600			1794	1.98	1854	2.19	1922	2.41	1990	2.65	2052	2.87						
4367	2800	150-30B	3	1879	2.30	1934	2.49	1989	2.71	2051	2.94								
4679	3000			1967	2.65	2019	2.85												

Performance shown is for Type F & B Utility and Versatility Fans with outlet duct, based on air at .075 lb. per cu. ft. density (70°F 29.92 Hg. Barometer). BHP shown does not include belt losses.

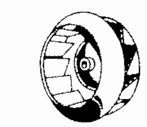
UTILITY SETS
VERSATILITY FAN SETS

SIZE 182 F WHEEL — 18¼" DIA. — 4.78' CIRC. OUTLET AREA — 1.90 SQ. FT.



CFM	O. V. FPM	SIZE	HP	¼" SP		⅜" SP		½" SP		⅝" SP		¾" SP		⅞" SP		1" SP		1¼" SP		1½" SP		1¾" SP	
				RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1709	900			293	.13	343	.18	394	.23														
1899	1000			304	.16	350	.21	395	.26	441	.33												
2089	1100			317	.19	359	.24	400	.30	442	.36												
2279	1200	182-03F	1/3	330	.23	370	.28	408	.34	445	.40	484	.47										
2469	1300			345	.27	382	.35	418	.39	455	.45	487	.52	522	.60	557	.68						
2659	1400			357	.32	396	.39	428	.45	462	.51	494	.58	526	.65	559	.73						
2849	1500	182-05F	1/2	372	.38	408	.44	442	.51	472	.57	503	.65	533	.72	562	.80	623	.97				
3039	1600			388	.44	421	.51	455	.58	484	.65	513	.72	541	.80	569	.88	626	1.06	683	1.25		
3229	1700			404	.52	435	.58	467	.66	497	.73	523	.80	551	.88	577	.96	630	1.14	684	1.33	737	1.55
3419	1800	182-07F	3/4	421	.60	450	.67	480	.74	510	.82	536	.90	561	.98	587	1.06	637	1.23	687	1.43	738	1.64
3609	1900			438	.69	466	.76	494	.84	522	.92	549	1.00	573	1.09	598	1.17	645	1.34	693	1.54	740	1.76
3799	2000	182-10F	1	456	.79	482	.86	508	.94	535	1.03	562	1.11	586	1.20	609	1.29	655	1.47	700	1.66	745	1.87
3989	2100			473	.91	498	.97	523	1.05	549	1.14	574	1.23	599	1.33	622	1.42	666	1.59	709	1.79	752	2.01
4179	2200			492	1.03	515	1.09	538	1.17	563	1.26	588	1.36	612	1.46	634	1.55	676	1.74	718	1.95	760	2.15
4369	2300			509	1.16	531	1.23	555	1.31	579	1.40	601	1.50	624	1.59	648	1.70	689	1.90	729	2.09	768	2.32
4559	2400	182-15F	1½	527	1.30	548	1.38	571	1.45	593	1.55	615	1.64	639	1.75	660	1.86	702	2.07	739	2.27	778	2.50
4749	2500			545	1.46	567	1.54	588	1.61	608	1.71	630	1.81	651	1.91	673	2.02	715	2.24	752	2.46	789	2.67
4939	2600			563	1.62	585	1.71	604	1.78	625	1.88	645	1.98	665	2.09	686	2.20	728	2.43	765	2.66	799	2.87
5129	2700	182-20F	2	582	1.80	603	1.88	622	1.98	641	2.06	660	2.17	680	2.28	700	2.39	740	2.63	778	2.86		
5319	2800			601	2.00	621	2.09	639	2.18	658	2.26	677	2.37	695	2.48	714	2.59	753	2.84				
5509	2900			620	2.22	639	2.30	657	2.40	674	2.48	693	2.58	711	2.70	729	2.81						
5699	3000	182-30F	3	640	2.45	657	2.53	675	2.63	691	2.71	710	2.81	727	2.93								
5889	3100			658	2.68	675	2.77	693	2.88	709	2.97												
6079	3200			677	2.93																		
6269	3300																						

SIZE 182 B.I. WHEEL — 18¼" DIA. — 4.78' CIRC. OUTLET AREA — 1.90 SQ. FT.



CFM	O. V. FPM	SIZE	HP	¼" SP		⅜" SP		½" SP		⅝" SP		¾" SP		⅞" SP		1" SP		1¼" SP	
				RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1519	800			579	0.11	654	0.14	725	0.19										
1709	900			608	0.13	684	0.17	749	0.22	812	0.26	873	0.32						
1899	1000	182-02B	1/4	638	0.15	716	0.20	777	0.25	835	0.30	893	0.35	948	0.41				
2089	1100			675	0.18	744	0.23	809	0.29	863	0.34	916	0.40	969	0.46	1019	0.52		
2279	1200			715	0.21	774	0.26	840	0.33	896	0.39	944	0.44	993	0.50	1041	0.57	1134	0.71
2469	1300			754	0.25	809	0.30	868	0.37	927	0.44	977	0.50	1020	0.56	1066	0.63	1155	0.77
2659	1400	182-03B	1/3	794	0.29	848	0.35	898	0.41	956	0.49	1008	0.56	1054	0.63	1094	0.69	1178	0.83
2849	1500			836	0.34	887	0.40	934	0.46	983	0.54	1037	0.62	1085	0.70	1128	0.77	1205	0.91
3039	1600			878	0.39	927	0.46	973	0.53	1016	0.60	1065	0.68	1115	0.77	1159	0.85	1235	1.00
3229	1700	182-05B	1/2	920	0.45	967	0.52	1012	0.60	1053	0.66	1095	0.74	1143	0.84	1189	0.93	1268	1.10
3419	1800			964	0.52	1008	0.59	1052	0.67	1092	0.75	1131	0.82	1172	0.91	1217	1.01	1299	1.20
3609	1900	182-07B	3/4	1008	0.59	1050	0.67	1091	0.75	1131	0.83	1168	0.91	1205	0.99	1245	1.09	1329	1.30
3799	2000			1054	0.68	1092	0.75	1132	0.84	1171	0.92	1207	1.01	1242	1.09	1277	1.18	1357	1.40
3989	2100			1101	0.77	1135	0.84	1173	0.93	1210	1.02	1247	1.11	1280	1.20	1314	1.29	1384	1.49
4179	2200	182-10B	1	1149	0.88	1179	0.95	1215	1.04	1250	1.13	1286	1.23	1319	1.32	1351	1.41	1416	1.61
4369	2300			1197	0.99	1223	1.06	1258	1.15	1292	1.25	1326	1.34	1359	1.44	1390	1.54	1451	1.74
4559	2400			1245	1.12	1268	1.18	1300	1.27	1334	1.37	1366	1.47	1399	1.58	1430	1.68	1488	1.87
4749	2500	182-15B	1½	1294	1.25	1315	1.31	1344	1.40	1376	1.51	1407	1.61	1438	1.72	1469	1.83	1527	2.03
4939	2600			1342	1.40	1362	1.46	1388	1.55	1418	1.65	1449	1.76	1478	1.87	1509	1.98	1566	2.20
5319	2800	182-20B	2	1437	1.71	1458	1.80	1477	1.86	1504	1.97	1533	2.08	1562	2.20	1589	2.32	1645	2.56
5699	3000	182-30B	3	1526	2.05	1555	2.18	1572	2.25	1593	2.34	1618	2.45	1646	2.58	1672	2.70	1724	2.96
6079	3200			1616	2.43	1651	2.60	1668	2.69	1684	2.76	1707	2.88	[illegible]					

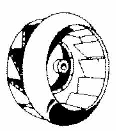
CFM	O. V. FPM	SIZE	HP	1½" SP		1¾" SP		2" SP		2¼" SP		2½" SP		2¾" SP		3" SP	
				RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2659	1400			1260	0.99	1338	1.15										
2849	1500			1282	1.07	1358	1.24	1431	1.41								
3039	1600	182-15B	1½	1308	1.16	1381	1.33	1451	1.50	1520	1.69						
3229	1700			1335	1.26	1405	1.43	1474	1.62	1539	1.80	1605	2.00	1667	2.18		
3419	1800			1369	1.37	1433	1.54	1498	1.72	1562	1.92	1625	2.12	1686	2.33	1746	2.53
3609	1900			1401	1.49	1463	1.67	1525	1.85	1586	2.05	1648	2.26	1707	2.46	1765	2.68
3799	2000			1432	1.61	1497	1.80	1554	1.99	1613	2.19	1671	2.39	1730	2.61	1786	2.83
3989	2100	182-20B	2	1461	1.73	1528	1.94	1588	2.14	1641	2.33	1698	2.55	1753	2.76	1809	3.00
4179	2200			1489	1.85	1559	2.08	1619	2.30	1675	2.51	1726	2.71	1781	2.93		
4369	2300			1516	1.96	1587	2.22	1650	2.46	1707	2.68	1759	2.90				
4559	2400			1548	2.10	1615	2.36	1681	2.62	1738	2.86						
4749	2500	182-30B	3	1582	2.25	1643	2.50	1709	2.78								
4939	2600			1619	2.41	1674	2.66	1736	2.93								

Performance shown is for Type F & B Utility and Versatility Fans with outlet duct, based on air at .075 lb. per cu. ft. density (70°F 29.92 Hg. Barometer). BHP shown does not include belt losses.

UTILITY SETS
VERSATILITY FAN SETS

WHEEL — 20" DIA. — 5.24' CIRC. OUTLET AREA — 2.30 SQ. FT. **SIZE 200 F**

CFM	O. V. FPM	SIZE	HP	1/4" SP RPM	1/4" SP BHP	3/8" SP RPM	3/8" SP BHP	1/2" SP RPM	1/2" SP BHP	5/8" SP RPM	5/8" SP BHP	3/4" SP RPM	3/4" SP BHP	7/8" SP RPM	7/8" SP BHP	1" SP RPM	1" SP BHP	1 1/4" SP RPM	1 1/4" SP BHP	1 1/2" SP RPM	1 1/2" SP BHP	1 3/4" SP RPM	1 3/4" SP BHP
2069	900			268	.16	314	.22	360	.28														
2299	1000	200-03F	1/3	279	.20	320	.25	361	.32	402	.39												
2529	1100			290	.24	329	.30	366	.36	403	.44	441	.52										
2759	1200			302	.28	338	.35	373	.41	407	.49	441	.57	476	.66								
2989	1300			314	.34	350	.41	382	.47	414	.55	445	.63	477	.72	509	.82						
3219	1400	200-05F	1/2	327	.40	362	.47	392	.54	422	.62	452	.70	480	.79	510	.89	569	1.11				
3449	1500			341	.47	374	.54	404	.62	432	.70	460	.79	487	.87	514	.97	569	1.18				
3679	1600			356	.54	386	.62	416	.71	443	.79	469	.88	495	.97	520	1.06	571	1.28	623	1.51		
3909	1700	200-07F	3/4	371	63	399	.71	428	.80	455	.89	479	.98	504	1.08	528	1.17	576	1.38	624	1.62	673	1.87
4139	1800			386	73	413	.81	440	.91	467	1.01	491	1.10	514	1.19	537	1.29	582	1.50	627	1.74	673	1.99
4369	1900			402	.85	427	.93	452	1.02	478	1.12	502	1.22	525	1.32	547	1.42	590	1.64	633	1.87	676	2.13
4599	2000	200-10F	1	418	.97	442	1.05	466	1.15	490	1.25	515	1.36	537	1.47	557	1.57	599	1.79	640	2.02	681	2.27
4829	2100			435	1.11	457	1.19	480	1.29	503	1.39	526	1.50	549	1.62	569	1.73	609	1.94	648	2.19	687	2.44
5059	2200	200-15F	1 ½	451	1.26	472	1.34	494	1.44	516	1.55	538	1.66	561	1.78	581	1.89	619	2.12	657	2.37	694	2.62
5289	2300			468	1.42	488	1.51	509	1.60	529	1.71	551	1.83	572	1.95	593	2.08	631	2.32	667	2.55	703	2.82
5519	2400			484	1.60	504	1.69	524	1.78	544	1.90	564	2.01	584	2.14	604	2.27	643	2.52	676	2.76	712	3.04
5749	2500	200-20F	2	501	1.79	520	1.89	539	1.98	558	2.09	577	2.21	597	2.34	617	2.47	655	2.74	689	3.00	722	3.26
5979	2600			517	1.98	537	2.10	554	2.18	573	2.30	592	2.43	610	2.55	629	2.69	667	2.97	700	3.24	732	3.51
6209	2700			535	2.21	554	2.33	571	2.43	588	2.53	605	2.65	624	2.78	641	2.92	678	3.21	712	3.50	744	3.78
6439	2800			553	2.46	570	2.56	587	2.68	604	2.78	621	2.90	638	3.04	655	3.17	690	3.47	725	3.77	756	4.07
6669	2900	200-30F	3	570	2.73	587	2.83	603	2.94	618	3.03	636	3.16	652	3.30	669	3.44	702	3.74	736	4.05	767	4.35
6899	3000			588	3.00	603	3.10	620	3.23	635	3.33	651	3.45	667	3.59	683	3.73	715	4.03	747	4.34	780	4.67
7129	3100			605	3.30	620	3.39	636	3.53	651	3.65	666	3.75	682	3.89	697	4.03	728	4.33	760	4.66	791	5.00
7359	3200	200-50F	5	622	3.60	636	3.69	653	3.84	667	3.97	681	4.07	697	4.20	712	4.36	742	4.66	772	4.99		
7589	3300			640	3.94	654	4.04	669	4.18	684	4.32	698	4.43	712	4.55	727	4.70						



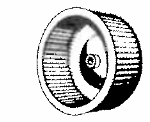
WHEEL — 20" DIA. — 5.24' CIRC. OUTLET AREA — 2.30 SQ. FT. **SIZE 200 B.I.**

CFM	O. V. FPM	SIZE	HP	1/4" SP RPM	1/4" SP BHP	3/8" SP RPM	3/8" SP BHP	1/2" SP RPM	1/2" SP BHP	5/8" SP RPM	5/8" SP BHP	3/4" SP RPM	3/4" SP BHP	7/8" SP RPM	7/8" SP BHP	1" SP RPM	1" SP BHP	1 1/4" SP RPM	1 1/4" SP BHP
1839	800			530	0.13	598	0.18	662	0.23	724	0.28								
2069	900	200-02B	1/4	556	0.15	626	0.21	684	0.26	742	0.32	797	0.38						
2299	1000			584	0.18	654	0.24	710	0.30	763	0.36	816	0.43	866	0.50				
2529	1100			619	0.21	681	0.28	740	0.35	789	0.41	837	0.48	885	0.55	931	0.62		
2759	1200	200-03B	1/3	655	0.26	708	0.32	768	0.40	819	0.47	863	0.54	908	0.61	951	0.69	1036	0.85
2989	1300			691	0.30	741	0.37	793	0.45	848	0.53	893	0.61	933	0.68	975	0.76	1055	0.93
3219	1400			728	0.35	777	0.43	822	0.50	874	0.59	922	0.68	964	0.76	1000	0.84	1076	1.01
3449	1500	200-05B	1/2	766	0.41	813	0.49	855	0.56	900	0.65	949	0.75	992	0.85	1031	0.93	1101	1.11
3679	1600			805	0.48	849	0.56	891	0.64	930	0.73	974	0.82	1020	0.93	1060	1.03	1129	1.22
3909	1700			844	0.55	886	0.64	927	0.73	965	0.81	1002	0.91	1045	1.01	1087	1.13	1160	1.33
4139	1800	200-07B	3/4	884	0.63	924	0.72	963	0.82	1000	0.91	1035	1.00	1072	1.11	1113	1.22	1188	1.45
4369	1900			925	0.73	963	0.82	1000	0.91	1036	1.01	1070	1.11	1103	1.21	1139	1.32	1216	1.57
4599	2000	200-10B	1	967	0.83	1001	0.92	1037	1.02	1073	1.13	1106	1.23	1137	1.32	1169	1.44	1241	1.69
4829	2100			1011	0.95	1041	1.03	1076	1.14	1109	1.25	1142	1.36	1173	1.46	1203	1.57	1266	1.82
5059	2200			1054	1.08	1081	1.16	1114	1.27	1146	1.38	1178	1.49	1209	1.61	1238	1.71	1295	1.96
5289	2300	200-15B	1 ½	1099	1.22	1122	1.30	1153	1.41	1184	1.52	1215	1.64	1245	1.76	1273	1.88	1328	2.11
5519	2400			1143	1.37	1163	1.44	1192	1.55	1223	1.67	1251	1.80	1281	1.92	1310	2.05	1363	2.28
5750	2500	200-20B	2	1187	1.54	1206	1.61	1232	1.72	1261	1.84	1290	1.97	1318	2.09	1346	2.23	1398	2.48
5979	2600			1232	1.71	1250	1.79	1273	1.89	1300	2.01	1328	2.15	1355	2.28	1382	2.42	1434	2.68
6439	2800			1319	2.10	1338	2.20	1355	2.28	1380	2.41	1405	2.55	1432	2.69	1456	2.83		
6899	3000	200-30B	3	1400	2.51	1427	2.67	1443	2.75	1461	2.86	1484	3.00						
7359	3200			1483	2.97														

CFM	O. V. FPM	SIZE	HP	1 1/2" SP RPM	1 1/2" SP BHP	1 3/4" SP RPM	1 3/4" SP BHP	2" SP RPM	2" SP BHP	2 1/4" SP RPM	2 1/4" SP BHP	2 1/2" SP RPM	2 1/2" SP BHP	2 3/4" SP RPM	2 3/4" SP BHP	3" SP RPM	3" SP BHP	3 1/2" SP RPM	3 1/2" SP BHP
3219	1400			1151	1.20	1222	1.39												
3449	1500	200-15B	1 ½	1172	1.30	1240	1.50	1307	1.71										
3679	1600			1196	1.40	1261	1.61	1325	1.82	1388	2.05	1448	2.25						
3909	1700			1221	1.52	1284	1.73	1346	1.96	1406	2.18	1465	2.42	1522	2.64				
4139	1800	200-20B	2	1252	1.66	1309	1.87	1369	2.09	1427	2.33	1484	2.57	1540	2.81	1594	3.07		
4369	1900			1281	1.81	1338	2.02	1394	2.25	1450	2.48	1505	2.73	1559	2.99	1611	3.24	1714	3.74
4599	2000			1309	1.95	1369	2.19	1421	2.41	1475	2.65	1527	2.90	1580	3.17	1632	3.44	1732	3.98
4829	2100			1336	2.10	1397	2.35	1453	2.60	1501	2.84	1552	3.09	1603	3.35	1653	3.63	1750	4.18
5059	2200			1362	2.24	1426	2.53	1481	2.79	1532	3.05	1578	3.29	1627	3.56	1675	3.83	1771	4.42
5289	2300	200-30B	3	1387	2.39	1452	2.69	1509	2.98	1561	3.26	1609	3.53	1653	3.78	1700	4.06	1792	4.64
5519	2400			1416	2.55	1477	2.86	1537	3.18	1590	3.47	1639	3.76	1684	4.04	1726	4.30	1816	4.89
5750	2500			1449	2.74	1503	3.04	1563	3.37	1618	3.69	1668	4.00	1714	4.30	1756	4.58		
5972	2600			1483	2.93	1532	3.23	1587	3.56	1644	3.91	1696	4.24	1743	4.55	1787	4.86		
6439	2800			1554	3.41	1599	3.68	1644	4.00	1694	4.34	1749	4.73						
6899	3000	200-50B	5	1626	3.92	1669	4.22	1711	4.51	1754	4.85								
7359	3200			1699	4.48	1742	4.82												

Performance shown is for Type F & B Utility and Versatility Fans with outlet duct, based on air at .075 lb. per cu. ft. density (70°F 29.92 Hg. Barometer). BHP shown does not include belt losses.

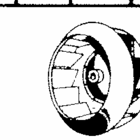
UTILITY SETS
VERSATILITY FAN SETS



SIZE 222 F WHEEL — 22¼" DIA. — 5.83' CIRC. OUTLET AREA — 2.83 SQ. FT.

CFM	O. V. FPM	SIZE	HP	1/4" SP RPM	1/4" SP BHP	3/8" SP RPM	3/8" SP BHP	1/2" SP RPM	1/2" SP BHP	5/8" SP RPM	5/8" SP BHP	3/4" SP RPM	3/4" SP BHP	7/8" SP RPM	7/8" SP BHP	1" SP RPM	1" SP BHP	1 1/4" SP RPM	1 1/4" SP BHP	1 1/2" SP RPM	1 1/2" SP BHP	1 3/4" SP RPM	1 3/4" SP BHP
2546	900			240	.19	281	.27	323	.34														
2829	1000			249	.24	287	.31	324	.39	362	.49												
3112	1100	222-05F	1/2	260	.28	294	.36	328	.45	363	.53												
3395	1200			271	.34	303	.42	335	.51	365	.59	397	.70										
3678	1300			283	.40	313	.52	343	.58	373	.67	399	.77	428	.89	457	1.01						
3961	1400			293	48	325	.60	351	.67	379	.76	405	.86	431	.97	458	1.08						
4244	1500	222-07F	3/4	305	.56	335	.65	363	.76	387	.85	413	.97	437	1.07	461	1.19	511	1.44				
4527	1600			318	.65	345	.76	373	.86	397	.97	421	1.07	443	1.19	467	1.31	513	1.58	560	1.86		
4810	1700	222-10F	1	331	.77	357	.86	383	.98	408	1.08	429	1.19	451	1.31	473	1.43	517	1.69	561	1.98	604	2.30
5093	1800			345	.89	369	1.00	394	1.10	418	1.22	440	1.34	460	1.46	481	1.57	522	1.83	563	2.12	605	2.44
5376	1900			359	1.03	382	1.13	405	1.25	428	1.37	450	1.49	470	1.62	490	1.74	529	1.99	568	2.29	607	2.62
5659	2000	222-15F	1 ½	374	1.17	395	1.28	417	1.40	439	1.53	461	1.65	481	1.78	500	1.92	537	2.18	574	2.47	611	2.78
5942	2100			388	1.35	408	1.44	429	1.56	450	1.69	471	1.83	491	1.98	510	2.11	546	2.36	582	2.66	617	2.99
6225	2200			404	1.53	422	1.62	441	1.74	462	1.87	482	2.02	502	2.17	520	2.30	554	2.59	589	2.90	623	3.19
6508	2300	222-20F	2	417	1.72	436	1.83	455	1.95	474	2.08	493	2.23	512	2.36	531	2.53	565	2.82	598	3.11	630	3.45
6791	2400			432	1.93	450	2.05	468	2.15	486	2.30	504	2.44	523	2.60	541	2.76	576	3.08	606	3.37	638	3.72
7074	2500			447	2.17	465	2.29	482	2.39	499	2.54	517	2.69	534	2.84	552	3.00	586	3.33	617	3.66	647	3.97
7357	2600	222-30F	3	462	2.41	480	2.54	495	2.65	513	2.79	529	2.94	545	3.11	563	3.27	597	3.61	627	3.95	655	4.26
7640	2700			477	2.67	495	2.82	510	2.94	526	3.06	541	3.22	558	3.39	574	3.55	607	3.91	638	4.25	666	4.60
7923	2800			493	2.97	509	3.11	524	3.24	540	3.36	555	3.52	570	3.68	586	3.85	618	4.23	649	4.59	677	4.95
8206	2900			509	3.30	524	3.42	539	3.57	553	3.69	568	3.83	583	4.01	598	4.18	629	4.55	659	4.93		
8489	3000			525	3.64	539	3.76	554	3.91	567	4.03	582	4.18	596	4.35	611	4.53	640	4.90				
8772	3100	222-50F	5	540	3.98	554	4.12	568	4.28	582	4.41	595	4.55	609	4.71	623	4.89						
9055	3200			555	4.35	568	4.47	583	4.65	596	4.81	609	4.92										
9338	3300			571	4.77	583	4.89																

SIZE 222 B.I. WHEEL — 22¼" DIA. — 5.83' CIRC. OUTLET AREA — 2.83 SQ. FT.



CFM	O. V. FPM	SIZE	HP	1/4" SP RPM	1/4" SP BHP	3/8" SP RPM	3/8" SP BHP	1/2" SP RPM	1/2" SP BHP	5/8" SP RPM	5/8" SP BHP	3/4" SP RPM	3/4" SP BHP	7/8" SP RPM	7/8" SP BHP	1" SP RPM	1" SP BHP	1 1/4" SP RPM	1 1/4" SP BHP
2263	800			465	0.15	517	0.20	563	0.25	609	0.31	652	0.37	692	0.43	731	0.49	807	0.63
2546	900			493	0.17	547	0.24	590	0.29	631	0.35	672	0.41	712	0.48	749	0.55	818	0.69
2829	1000	222-03B	1/3	525	0.21	576	0.28	619	0.34	658	0.40	695	0.47	732	0.54	768	0.61	836	0.76
3112	1100			561	0.26	604	0.32	650	0.40	687	0.47	722	0.53	756	0.60	790	0.68	855	0.84
3395	1200			600	0.32	635	0.37	678	0.45	718	0.54	751	0.61	783	0.68	814	0.76	876	0.92
3678	1300	222-05B	1/2	639	0.38	669	0.44	705	0.51	746	0.60	782	0.69	812	0.77	842	0.85	900	1.02
3961	1400			681	0.46	708	0.52	738	0.59	774	0.67	810	0.77	843	0.87	871	0.95	926	1.12
4244	1500	222-07B	3/4	724	0.55	747	0.61	773	0.67	803	0.75	838	0.86	872	0.96	902	1.06	955	1.24
4527	1600			766	0.66	786	0.71	811	0.78	837	0.85	866	0.94	900	1.06	931	1.17	985	1.38
4810	1700	222-10B	1	809	0.77	828	0.83	850	0.89	872	0.97	899	1.06	928	1.16	959	1.28	1016	1.52
5093	1800			852	0.90	871	0.96	889	1.02	911	1.10	934	1.18	959	1.28	987	1.40	1044	1.65
5376	1900			896	1.04	913	1.11	930	1.17	950	1.25	970	1.33	993	1.43	1017	1.53	1073	1.79
5659	2000	222-15B	1 ½	940	1.21	956	1.28	972	1.34	989	1.41	1009	1.50	1028	1.58	1051	1.69	1100	1.94
5942	2100			985	1.40	999	1.46	1015	1.53	1030	1.59	1048	1.68	1067	1.77	1086	1.86	1129	2.09
6225	2200	222-20B	2	1030	1.60	1042	1.65	1057	1.73	1072	1.80	1087	1.87	1105	1.97	1123	2.06	1163	2.29
6508	2300			1075	1.82	1086	1.86	1100	1.95	1114	2.02	1128	2.09	1144	2.18	1161	2.28	1197	2.50
6791	2400			1120	2.06	1130	2.10	1143	2.18	1157	2.26	1170	2.33	1184	2.41	1200	2.52	1232	2.72
7074	2500	222-30B	3	1165	2.32	1175	2.36	1186	2.43	1199	2.52	1212	2.60	1225	2.67	1240	2.77	1271	2.99
7357	2600			1210	2.60	1219	2.64	1229	2.70	1242	2.80	1255	2.89	1267	2.97	1279	3.04	1310	3.27
7923	2800			1301	3.24	1309	3.28	1318	3.33	1328	3.42	1340	3.52	1352	3.61	1363	3.69	1388	3.89
8489	3000	222-50B	5	1391	3.97	1399	4.02	1407	4.06	1415	4.11	1426	4.23	1437	4.34	1448	4.44	1469	4.61
9055	3200			1482	4.80	1490	4.85	1497	4.90	1504	4.95								

CFM	O. V. FPM	SIZE	HP	1 1/2" SP RPM	1 1/2" SP BHP	1 3/4" SP RPM	1 3/4" SP BHP	2" SP RPM	2" SP BHP	2 1/4" SP RPM	2 1/4" SP BHP	2 1/2" SP RPM	2 1/2" SP BHP	2 3/4" SP RPM	2 3/4" SP BHP	3" SP RPM	3" SP BHP	3 1/2" SP RPM	3 1/2" SP BHP
3395	1200			936	1.10	992	1.28	1045	1.46	1097	1.66	1148	1.85	1198	2.06	1247	2.28		
3678	1300	222-15B	1 ½	957	1.20	1012	1.39	1064	1.59	1113	1.78	1162	1.99	1209	2.20	1256	2.42	1348	2.88
3961	1400			980	1.31	1033	1.50	1084	1.71	1133	1.92	1179	2.13	1224	2.35	1269	2.57	1356	3.04
4244	1500			1005	1.43	1055	1.63	1105	1.84	1153	2.06	1199	2.29	1243	2.52	1286	2.74	1369	3.22
4527	1600			1034	1.57	1081	1.77	1127	1.98	1174	2.21	1219	2.45	1263	2.69	1305	2.93	1385	3.41
4810	1700	222-20B	2	1063	1.72	1108	1.93	1153	2.15	1196	2.37	1240	2.62	1283	2.86	1325	3.12	1404	3.63
5093	1800			1094	1.89	1137	2.10	1180	2.33	1222	2.56	1263	2.80	1305	3.05	1345	3.31	1424	3.85
5376	1900			1124	2.06	1168	2.29	1209	2.52	1249	2.76	1289	3.00	1328	3.25	1367	3.52	1444	4.07
5659	2000			1152	2.22	1199	2.49	1239	2.73	1278	2.98	1316	3.23	1353	3.48	1391	3.74	1465	4.30
5942	2100	222-30B	3	1180	2.39	1227	2.68	1270	2.96	1307	3.21	1344	3.47	1380	3.73	1416	4.00	1487	4.55
6225	2200			1208	2.56	1256	2.87	1300	3.18	1338	3.46	1374	3.72	1409	3.99	1444	4.27	1512	4.83
6508	2300			1236	2.75	1283	3.07	1328	3.40	1369	3.72	1405	4.00	1439	4.27	1473	4.56		
6791	2400			1270	2.98	1311	3.28	1356	3.62	1397	3.96	1436	4.28	1470	4.57	1502	4.86		
7074	2500	222-50B	5	1305	3.23	1341	3.50	1383	3.85	1425	4.20	1464	4.55	1501	4.89				
7357	2600			1339	3.49	1375	3.78	1411	4.08	1453	4.46	1493	4.83						
7923	2800			1416	4.13	1444	4.37	1477	4.69	1509	4.98								

Performance shown is for Type F & B Utility and Versatility Fans with outlet duct, based on air at .075 lb. per cu. ft. density (70°F 29.92 Hg. Barometer). BHP shown does not include belt losses.

UTILITY SETS
VERSATILITY FAN SETS

SIZE 245 F

WHEEL — 24½" DIA. — 6.42' CIRC. OUTLET AREA — 3.46 SQ. FT.

CFM	O. V. FPM	SIZE	HP	¼" SP RPM	¼" SP BHP	⅜" SP RPM	⅜" SP BHP	½" SP RPM	½" SP BHP	⅝" SP RPM	⅝" SP BHP	¾" SP RPM	¾" SP BHP	⅞" SP RPM	⅞" SP BHP	1" SP RPM	1" SP BHP	1¼" SP RPM	1¼" SP BHP	1½" SP RPM	1½" SP BHP	1¾" SP RPM	1¾" SP BHP
3113	900			219	.24	256	.33	294	.43														
3459	1000			228	.30	261	.38	295	.48	328	.59												
3805	1100			237	.36	268	.45	299	.54	329	.66	360	.78										
4151	1200	245-07F	3/4	247	.43	276	.52	305	.62	332	.73	360	.86	388	.99								
4497	1300			257	.51	286	.61	312	.71	338	.83	363	.95	389	1.09	415	1.23						
4843	1400			268	.60	296	.71	321	.82	345	.94	369	1.06	392	1.19	416	1.34						
5189	1500			279	.70	305	.82	330	.94	353	1.06	375	1.19	398	1.31	420	1.46	464	1.77				
5535	1600	245-10F	1	291	.82	316	.94	340	1.07	362	1.20	383	1.32	404	1.46	425	1.60	466	1.93	508	2.27		
5881	1700			303	.95	326	1.08	350	1.21	372	1.35	391	1.48	412	1.62	431	1.77	470	2.08	510	2.44	549	2.82
6227	1800			316	1.11	337	1.23	360	1.37	382	1.52	401	1.66	420	1.80	439	1.95	476	2.26	512	2.62	550	2.99
6573	1900	245-15F	1½	329	1.28	349	1.40	370	1.54	391	1.69	411	1.85	429	2.00	447	2.14	482	2.47	517	2.82	552	3.20
6919	2000			342	1.47	361	1.59	381	1.73	401	1.89	421	2.05	439	2.21	455	2.37	489	2.70	523	3.04	556	3.42
7265	2100	245-20F	2	356	1.68	374	1.79	392	1.94	411	2.10	430	2.26	448	2.44	465	2.61	497	2.93	529	3.29	561	3.67
7611	2200			369	1.90	386	2.02	404	2.17	422	2.33	440	2.51	458	2.69	475	2.86	506	3.20	537	3.57	567	3.94
7957	2300			382	2.14	399	2.27	416	2.42	433	2.58	450	2.76	467	2.94	485	3.13	515	3.50	545	3.85	574	4.26
8303	2400	245-30F	3	396	2.41	412	2.56	429	2.69	445	2.86	461	3.04	478	3.22	494	3.42	525	3.80	553	4.17	582	4.58
8649	2500			410	2.70	426	2.85	441	2.99	456	3.16	472	3.33	488	3.53	504	3.73	535	4.13	563	4.53	590	4.91
8995	2600			423	3.00	439	3.18	453	3.30	469	3.48	484	3.66	499	3.85	514	4.06	545	4.48	572	4.89	598	5.29
9341	2700			437	3.35	453	3.52	467	3.67	481	3.82	495	4.00	510	4.20	524	4.40	554	4.83	582	5.27	608	5.70
9687	2800			452	3.72	466	3.87	480	4.05	494	4.19	508	4.38	521	4.58	535	4.79	564	5.23	592	5.69	618	6.13
10033	2900	245-50F	5	467	4.12	480	4.27	493	4.45	506	4.58	520	4.77	533	4.98	547	5.19	574	5.64	602	6.11	627	6.57
10379	3000			481	4.54	493	4.69	507	4.88	519	5.04	532	5.21	545	5.42	558	5.63	584	6.07	611	6.55	637	7.05
10725	3100			495	4.98	507	5.13	521	5.33	533	5.51	545	5.66	558	5.87	570	6.08	595	6.54	621	7.03		
11071	3200	245-75F	7½	509	5.44	520	5.58	534	5.80	546	6.00	557	6.15	570	6.35	582	6.58	606	7.04				
11417	3300			524	5.96	535	6.11	547	6.31	559	6.52	571	6.70	582	6.87	595	7.09						

SIZE 245 B.I.

WHEEL — 24½" DIA. — 6.42' CIRC. OUTLET AREA — 3.46 SQ. FT.

CFM	O. V. FPM	SIZE	HP	¼" SP RPM	¼" SP BHP	⅜" SP RPM	⅜" SP BHP	½" SP RPM	½" SP BHP	⅝" SP RPM	⅝" SP BHP	¾" SP RPM	¾" SP BHP	⅞" SP RPM	⅞" SP BHP	1" SP RPM	1" SP BHP	1¼" SP RPM	1¼" SP BHP
2767	800			422	0.18	469	0.24	511	0.30	552	0.37	591	0.45	627	0.52	663	0.60	731	0.77
3113	900			448	0.21	496	0.29	535	0.36	573	0.43	610	0.51	645	0.59	679	0.67	742	0.84
3459	1000	245-05B	1/2	477	0.26	522	0.34	562	0.42	597	0.49	631	0.57	664	0.66	697	0.75	758	0.93
3805	1100			510	0.32	548	0.39	589	0.49	623	0.57	655	0.65	686	0.74	716	0.83	776	1.03
4151	1200			545	0.39	577	0.46	615	0.55	651	0.66	681	0.74	710	0.84	739	0.93	795	1.13
4497	1300			581	0.47	608	0.54	640	0.63	677	0.74	709	0.85	737	0.94	764	1.04	816	1.24
4843	1400	245-07B	3/4	619	0.57	643	0.63	670	0.72	702	0.83	735	0.95	765	1.06	791	1.16	840	1.38
5189	1500			658	0.68	678	0.75	702	0.82	729	0.92	761	1.05	791	1.18	819	1.30	866	1.52
5535	1600	245-10B	1	696	0.81	715	0.87	737	0.95	760	1.05	786	1.16	817	1.30	845	1.44	894	1.69
5881	1700			736	0.95	753	1.02	772	1.10	792	1.19	816	1.30	842	1.42	871	1.57	922	1.86
6227	1800			775	1.11	791	1.19	808	1.26	828	1.35	848	1.45	871	1.57	896	1.71	948	2.03
6573	1900	245-15B	1½	814	1.28	830	1.37	845	1.44	863	1.53	881	1.63	902	1.75	923	1.88	973	2.19
6919	2000			855	1.49	869	1.57	884	1.65	899	1.73	917	1.84	934	1.94	954	2.07	998	2.37
7265	2100	245-20B	2	896	1.72	908	1.79	922	1.88	936	1.95	952	2.06	969	2.17	986	2.28	1025	2.56
7611	2200			936	1.97	947	2.03	961	2.13	974	2.21	988	2.30	1004	2.42	1020	2.53	1056	2.81
7957	2300			977	2.24	987	2.29	1000	2.39	1013	2.48	1025	2.57	1040	2.68	1055	2.80	1087	3.06
8303	2400	245-30B	3	1018	2.54	1027	2.58	1039	2.68	1051	2.78	1063	2.87	1076	2.96	1091	3.10	1119	3.34
8649	2500			1059	2.86	1068	2.91	1078	2.99	1090	3.10	1102	3.20	1113	3.29	1126	3.41	1154	3.67
8995	2600			1100	3.21	1108	3.26	1117	3.33	1129	3.45	1140	3.55	1151	3.65	1162	3.74	1190	4.02
9687	2800	245-50B	5	1183	3.99	1190	4.04	1198	4.09	1207	4.20	1218	4.33	1228	4.44	1239	4.54	1261	4.78
10379	3000			1265	4.89	1272	4.95	1279	5.00										

CFM	O. V. FPM	SIZE	HP	1½" SP RPM	1½" SP BHP	1¾" SP RPM	1¾" SP BHP	2" SP RPM	2" SP BHP	2¼" SP RPM	2¼" SP BHP	2½" SP RPM	2½" SP BHP	2¾" SP RPM	2¾" SP BHP	3" SP RPM	3" SP BHP	3½" SP RPM	3½" SP BHP
4151	1200	245-15B	1½	849	1.35	900	1.57	947	1.79	995	2.02	1040	2.26	1086	2.52	1130	2.78		
4497	1300			868	1.47	918	1.70	965	1.94	1010	2.18	1053	2.43	1096	2.68	1138	2.95	1221	3.52
4843	1400			889	1.60	936	1.84	983	2.09	1027	2.35	1069	2.61	1110	2.87	1150	3.14	1229	3.71
5189	1500	245-20B	2	912	1.75	957	1.99	1002	2.25	1045	2.52	1087	2.80	1127	3.08	1166	3.35	1241	3.93
5535	1600			938	1.93	980	2.17	1022	2.43	1064	2.71	1105	2.99	1145	3.29	1183	3.58	1255	4.17
5881	1700			965	2.11	1006	2.37	1046	2.63	1085	2.90	1125	3.20	1163	3.50	1201	3.81	1273	4.44
6227	1800			993	2.31	1032	2.58	1070	2.85	1108	3.13	1146	3.42	1183	3.73	1220	4.05	1291	4.71
6573	1900	245-30B	3	1020	2.52	1060	2.81	1097	3.09	1133	3.38	1169	3.68	1204	3.98	1240	4.30	1309	4.97
6919	2000			1045	2.72	1088	3.05	1124	3.35	1159	3.65	1194	3.95	1228	4.26	1262	4.58		
7265	2100			1071	2.92	1114	3.29	1152	3.62	1186	3.93	1220	4.25	1253	4.56	1285	4.89		
7611	2200			1096	3.14	1139	3.52	1179	3.90	1214	4.24	1247	4.56	1279	4.89				
7957	2300			1123	3.37	1165	3.76	1205	4.16	1243	4.55	1275	4.90						
8303	2400	245-50B	5	1154	3.66	1190	4.01	1230	4.43	1268	4.85								
8649	2500			1185	3.96	1217	4.30	1256	4.71										
8995	2600			1216	4.28	1248	4.64	1281	5.00										

Performance shown is for Type F & B Utility and Versatility Fans with outlet duct, based on air at .075 lb. per cu. ft. density (70°F 29.92 Hg. Barometer). BHP shown does not include belt losses.

UTILITY SETS
VERSATILITY FAN SETS

SIZE 270 F

WHEEL — 27" DIA. — 7.07' CIRC. OUTLET AREA — 4.20 SQ. FT.

CFM	O. V. FPM	SIZE	HP	¼" SP RPM	¼" SP BHP	⅜" SP RPM	⅜" SP BHP	½" SP RPM	½" SP BHP	⅝" SP RPM	⅝" SP BHP	¾" SP RPM	¾" SP BHP	⅞" SP RPM	⅞" SP BHP	1" SP RPM	1" SP BHP	1¼" SP RPM	1¼" SP BHP	1½" SP RPM	1½" SP BHP	1¾" SP RPM	1¾" SP BHP
3779	900			199	.30	232	.40	266	.52														
4149	1000			207	.36	237	.46	267	.58	298	.72												
4619	1100			215	.43	244	.54	271	.66	299	.80	326	.95										
5039	1200	270-07F	3/4	224	.52	251	.63	277	.75	302	.89	327	1.04	352	1.21								
5459	1300			233	.61	260	.74	283	.87	307	1.00	330	1.16	353	1.32	377	1.49						
5879	1400			243	.73	269	.86	291	.99	313	1.14	335	1.28	356	1.45	378	1.63						
6299	1500	270-10F	1	253	.85	277	.99	300	1.14	320	1.28	341	1.44	361	1.60	381	1.78	421	2.15				
6719	1600			264	1.00	286	1.14	309	1.30	328	1.45	348	1.60	357	1.77	385	1.94	423	2.34	461	2.76		
7139	1700	270-15F	1½	275	1.16	296	1.31	317	1.47	337	1.64	355	1.79	373	1.97	391	2.14	427	2.53	463	2.96	498	3.42
7559	1800			286	1.34	306	1.49	326	1.66	346	1.84	364	2.01	381	2.18	398	2.37	432	2.74	465	3.17	499	3.63
7979	1900	270-20F	2	298	1.55	317	1.70	335	1.87	354	2.05	373	2.24	389	2.42	405	2.60	437	2.99	469	3.42	501	3.89
8389	2000			310	1.78	328	1.93	345	2.10	364	2.29	382	2.49	398	2.68	413	2.87	444	3.27	474	3.69	504	4.16
8819	2100			323	2.04	339	2.17	356	2.36	373	2.55	390	2.75	407	2.96	422	3.16	451	3.55	480	4.00	509	4.45
9239	2200	270-30F	3	335	2.31	350	2.45	366	2.63	383	2.83	399	3.04	416	3.26	431	3.47	459	3.88	487	4.33	515	4.78
9659	2300			347	2.60	362	2.76	378	2.94	393	3.13	408	3.35	424	3.57	440	3.80	468	4.24	494	4.67	521	5.16
10079	2400			359	2.93	374	3.10	389	3.26	403	3.47	418	3.68	433	3.91	448	4.15	476	4.62	501	5.06	528	5.55
10499	2500			372	3.27	386	3.46	400	3.62	414	3.83	428	4.05	443	4.28	457	4.52	485	5.01	511	5.49	535	5.96
10919	2600	270-50F	5	384	3.64	399	3.85	411	4.00	425	4.22	439	4.44	452	4.67	466	4.92	494	5.43	519	5.94	542	6.41
11339	2700			397	4.06	411	4.27	423	4.45	436	4.63	449	4.86	462	5.10	476	5.34	502	5.86	528	6.40	551	6.92
11759	2800			410	4.52	423	4.70	435	4.91	448	5.08	461	5.32	473	5.56	486	5.81	512	6.34	537	6.90	560	7.44
12179	2900			423	5.00	435	5.18	447	5.39	459	5.55	472	5.79	483	6.04	496	6.29	521	6.84	546	7.41	569	7.96
12599	3000	270-75F	7½	436	5.51	448	5.69	460	5.92	471	6.11	483	6.31	495	6.57	506	6.83	530	7.37	554	7.94	578	8.55
13019	3100			449	6.04	460	6.22	472	6.47	483	6.68	494	6.87	506	7.12	517	7.38	540	7.93	563	8.53	587	9.15
13439	3200			462	6.60	472	6.77	484	7.04	495	7.27	505	7.45	517	7.70	528	7.98	550	8.54	573	9.14	595	9.75
13859	3300	270-100F	10	475	7.23	485	7.41	496	7.65	507	7.91	518	8.12	528	8.34	539	8.61	560	9.18	582	9.77		

SIZE 270 B.I.

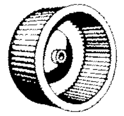
WHEEL — 27" DIA. — 7.07' CIRC. OUTLET AREA — 4.20 SQ. FT.

CFM	O. V. FPM	SIZE	HP	¼" SP RPM	¼" SP BHP	⅜" SP RPM	⅜" SP BHP	½" SP RPM	½" SP BHP	⅝" SP RPM	⅝" SP BHP	¾" SP RPM	¾" SP BHP	⅞" SP RPM	⅞" SP BHP	1" SP RPM	1" SP BHP	1¼" SP RPM	1¼" SP BHP
3359	800			383	0.22	425	0.29	464	0.37	501	0.45	537	0.54	569	0.63	602	0.73	664	0.93
3779	900			406	0.26	450	0.35	485	0.43	520	0.52	553	0.61	586	0.71	616	0.81	673	1.02
4199	1000	270-05B	1/2	433	0.31	474	0.41	510	0.51	541	0.60	572	0.70	603	0.80	632	0.91	688	1.13
4619	1100			462	0.38	497	0.48	535	0.59	565	0.69	594	0.79	622	0.90	650	1.01	704	1.25
5039	1200			495	0.47	523	0.56	558	0.67	591	0.80	618	0.90	645	1.01	670	1.13	721	1.37
5459	1300	270-07B	3/4	527	0.57	552	0.65	581	0.76	614	0.90	644	1.03	669	1.14	693	1.26	741	1.51
5879	1400			562	0.69	583	0.77	608	0.87	637	1.00	667	1.15	694	1.29	718	1.41	762	1.67
6299	1500	270-10B	1	597	0.83	616	0.90	637	1.00	662	1.12	690	1.27	718	1.43	743	1.58	786	1.85
6719	1600			632	0.98	648	1.05	668	1.16	690	1.27	713	1.40	741	1.58	767	1.74	811	2.05
7139	1700	270-15B	1½	667	1.16	683	1.24	701	1.33	719	1.44	741	1.58	764	1.73	790	1.91	837	2.26
7559	1800			703	1.35	718	1.44	733	1.52	751	1.64	769	1.76	790	1.91	813	2.08	860	2.46
7979	1900	270-20B	2	739	1.56	753	1.66	767	1.75	783	1.86	800	1.98	818	2.12	838	2.28	883	2.66
8399	2000			776	1.81	788	1.91	802	2.00	816	2.10	832	2.23	847	2.35	866	2.52	906	2.88
8819	2100			813	2.08	824	2.17	837	2.28	849	2.37	864	2.50	879	2.63	895	2.77	930	3.11
9239	2200	270-30B	3	850	2.39	859	2.46	872	2.58	884	2.68	896	2.79	911	2.93	925	3.07	958	3.41
9659	2300			887	2.72	895	2.77	907	2.90	919	3.01	930	3.11	943	3.25	957	3.40	986	3.72
10079	2400			924	3.08	932	3.13	943	3.26	954	3.38	965	3.48	976	3.59	990	3.76	1016	4.05
10499	2500	270-50B	5	961	3.47	969	3.52	978	3.63	989	3.76	1000	3.88	1010	3.99	1022	4.13	1048	4.45
10919	2600			998	3.89	1006	3.95	1014	4.03	1024	4.18	1035	4.31	1045	4.43	1055	4.53	1080	4.88
11759	2800			1073	4.84	1080	4.90	1087	4.97	1095	5.10	1105	5.25	1115	5.39	1124	5.51	1144	5.80
12599	3000	270-75B	7½	1148	5.93	1154	6.00	1161	6.07	1167	6.14	1176	6.32	1185	6.48	1194	6.62	1211	6.88
13439	3200			1223	7.18	1229	7.26	1235	7.33	1241	7.40								

CFM	O. V. FPM	SIZE	HP	1½" SP RPM	1½" SP BHP	1¾" SP RPM	1¾" SP BHP	2" SP RPM	2" SP BHP	2¼" SP RPM	2¼" SP BHP	2½" SP RPM	2½" SP BHP	2¾" SP RPM	2¾" SP BHP	3" SP RPM	3" SP BHP	3½" SP RPM	3½" SP BHP
5039	1200			770	1.63	816	1.90	860	2.17	903	2.46	944	2.75	986	3.06	1026	3.38		
5459	1300	270-20B	2	787	1.78	833	2.06	876	2.35	916	2.65	956	2.95	994	3.26	1033	3.58	1108	4.27
5879	1400			806	1.94	850	2.23	892	2.54	932	2.85	970	3.17	1007	3.48	1044	3.82	1115	4.51
6299	1500			828	2.13	868	2.42	909	2.74	948	3.06	987	3.40	1023	3.73	1058	4.07	1126	4.77
6719	1600	270-30B	3	851	2.34	890	2.64	928	2.95	966	3.29	1003	3.63	1039	3.99	1074	4.35	1139	5.06
7139	1700			875	2.56	912	2.87	949	3.19	985	3.53	1021	3.88	1056	4.25	1090	4.63	1155	5.39
7559	1800			901	2.81	936	3.13	971	3.46	1006	3.80	1040	4.15	1074	4.53	1107	4.91	1172	5.71
7979	1900			926	3.06	962	3.41	995	3.75	1028	4.10	1061	4.46	1093	4.83	1125	5.22	1188	6.04
8399	2000			949	3.30	987	3.71	1020	4.06	1052	4.42	1083	4.79	1114	5.17	1145	5.56	1206	6.39
8819	2100			972	3.55	1011	3.99	1046	4.40	1077	4.77	1107	5.15	1137	5.54	1166	5.94	1224	6.75
9239	2200	270-50B	5	995	3.81	1034	4.27	1070	4.73	1102	5.14	1131	5.53	1160	5.93	1189	6.34	1245	7.18
9659	2300			1019	4.09	1057	4.57	1093	5.05	1128	5.52	1157	5.94	1185	6.35	1213	6.77		
10079	2400			1047	4.44	1080	4.87	1117	5.38	1151	5.88	1183	6.37	1210	6.80	1237			
10499	2500			1075	4.81	1105	5.21	1139	5.72	1174	6.25	1206	6.77	1236	7.27				
10919	2600	270-75B	7½	1104	5.20	1133	5.63	1162	6.07	1197	6.63	1229	7.17						
11759	2800			1167	6.16	1190	6.51	1217	6.98	1243	7.42								

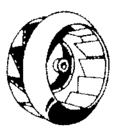
Performance shown is for Type F & B Utility and Versatility Fans with outlet duct, based on air at .075 lb. per cu. ft. density (70°F 29.92 Hg. Barometer). BHP shown does not include belt losses.

UTILITY SETS
VERSATILITY FAN SETS



WHEEL — 30" DIA. — 7.85' CIRC. OUTLET AREA — 5.15 SQ. FT. **SIZE 300 F**

CFM	O. V. FPM	SIZE	HP	1/4" SP RPM	1/4" SP BHP	3/8" SP RPM	3/8" SP BHP	1/2" SP RPM	1/2" SP BHP	5/8" SP RPM	5/8" SP BHP	3/4" SP RPM	3/4" SP BHP	7/8" SP RPM	7/8" SP BHP	1" SP RPM	1" SP BHP	1 1/4" SP RPM	1 1/4" SP BHP	1 1/2" SP RPM	1 1/2" SP BHP	1 3/4" SP RPM	1 3/4" SP BHP
4634	900			179	.36	209	.49	240	.64														
5149	1000			185	.44	213	.56	241	.71	268	.88												
5664	1100	300-10F	1	193	.53	219	.66	244	.81	269	.98	294	1.17										
6179	1200			201	.63	225	.77	248	.92	271	1.09	294	1.28	317	1.48								
6694	1300			209	.75	233	.90	254	1.06	276	1.22	296	1.41	318	1.62	339	1.83						
7209	1400			218	.88	241	1.05	261	1.21	281	1.39	301	1.57	320	1.77	340	1.99						
7724	1500			227	1.04	248	1.21	269	1.39	288	1.56	306	1.76	324	1.95	342	2.17	379	2.63				
8239	1600	300-15F	1 1/2	236	1.21	257	1.39	277	1.58	295	1.77	312	1.96	329	2.16	346	2.38	381	2.86	415	3.38		
8754	1700			246	1.40	265	1.59	285	1.79	302	1.99	319	2.19	335	2.40	351	2.61	384	3.09	416	3.62	449	4.20
9269	1800			257	1.63	274	1.81	293	2.02	311	2.24	326	2.45	342	2.66	357	2.89	388	3.35	418	3.88	449	4.44
9784	1900	300-20F	2	267	1.88	284	2.06	301	2.27	318	2.50	334	2.72	349	2.95	364	3.17	393	3.65	422	4.18	451	4.76
10299	2000			278	2.16	294	2.34	310	2.55	326	2.79	342	3.03	357	3.27	371	3.50	399	4.00	426	4.50	453	5.09
10814	2100	300-30F	3	289	2.47	304	2.64	319	2.86	334	3.10	350	3.35	365	3.60	379	3.85	405	4.33	431	4.87	458	5.44
11329	2200			300	2.80	314	2.97	328	3.20	343	3.44	358	3.70	373	3.97	386	4.22	412	4.73	437	5.29	462	5.84
11844	2300			311	3.15	324	3.34	338	3.57	352	3.81	366	4.07	380	4.34	395	4.63	420	5.17	444	5.69	468	6.30
12359	2400			322	3.55	335	3.76	348	3.95	361	4.22	375	4.47	389	4.76	402	5.05	427	5.62	450	6.17	474	6.78
12874	2500	300-50F	5	333	3.97	346	4.19	358	4.39	371	4.65	384	4.92	397	5.20	410	5.50	435	6.10	458	6.69	481	7.26
13389	2600			343	4.41	357	4.67	368	4.85	381	5.12	393	5.40	405	5.68	418	5.98	444	6.61	466	7.23	487	7.81
13904	2700			355	4.91	368	5.17	379	5.39	391	5.61	402	5.90	415	6.20	427	6.50	451	7.14	474	7.78	495	8.43
14419	2800			367	5.47	378	5.70	390	5.95	401	6.17	413	6.46	424	6.75	435	7.06	459	7.72	482	8.40	503	9.06
14934	2900	300-75F	7 1/2	378	6.05	390	6.27	400	6.53	411	6.74	423	7.03	433	7.34	444	7.65	467	8.31	490	9.03	510	9.70
15449	3000			390	6.67	401	6.89	412	7.17	422	7.40	433	7.66	443	7.97	454	8.29	475	8.96	497	9.66		
15964	3100			402	7.32	411	7.54	423	7.84	433	8.10	443	8.33	453	8.64	463	8.97	484	9.64				
16479	3200	300-100F	10	413	8.00	422	8.21	434	8.53	443	8.82	452	9.02	463	9.33	473	9.69						
16994	3300			425	8.74	434	8.97	444	9.27	454	9.59	463	9.84										



WHEEL — 30" DIA. — 7.85' CIRC. OUTLET AREA — 5.15 SQ. FT. **SIZE 300 B.I.**

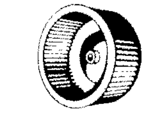
CFM	O. V. FPM	SIZE	HP	1/4" SP RPM	1/4" SP BHP	3/8" SP RPM	3/8" SP BHP	1/2" SP RPM	1/2" SP BHP	5/8" SP RPM	5/8" SP BHP	3/4" SP RPM	3/4" SP BHP	7/8" SP RPM	7/8" SP BHP	1" SP RPM	1" SP BHP	1 1/4" SP RPM	1 1/4" SP BHP
4119	800	300-07B	3/4	338	0.27	373	0.35	407	0.44	439	0.54	469	0.64	498	0.75				
4634	900			361	0.33	395	0.42	426	0.51	456	0.62	486	0.73	512	0.84	539	0.96		
5149	1000			387	0.40	419	0.51	447	0.61	475	0.71	502	0.82	529	0.95	554	1.07	601	1.34
5664	1100			413	0.49	442	0.60	470	0.72	495	0.82	521	0.94	545	1.06	571	1.20	616	1.47
6179	1200			440	0.58	467	0.70	494	0.84	519	0.96	542	1.08	565	1.20	588	1.33	633	1.63
6694	1300			466	0.69	493	0.83	518	0.96	543	1.11	565	1.23	586	1.36	607	1.50	649	1.79
7209	1400	300-10B	1	495	0.81	520	0.97	543	1.10	566	1.25	589	1.41	609	1.55	629	1.68	669	1.98
7724	1500			525	0.96	547	1.12	569	1.27	591	1.42	613	1.59	633	1.75	652	1.90	689	2.20
8239	1600	300-15B	1 1/2	555	1.13	574	1.28	596	1.46	616	1.61	636	1.77	657	1.96	676	2.13	711	2.44
8754	1700			585	1.32	602	1.46	623	1.66	642	1.83	662	1.99	680	2.17	700	2.37	734	2.72
9269	1800	300-20B	2	615	1.52	632	1.68	650	1.87	669	2.07	687	2.24	705	2.42	723	2.61	759	3.01
9784	1900			645	1.76	662	1.91	676	2.09	696	2.32	714	2.51	731	2.69	748	2.88	783	3.31
10299	2000	300-30B	3	676	2.02	692	2.18	706	2.36	723	2.58	741	2.80	757	2.99	774	3.19	806	3.61
10814	2100			706	2.30	722	2.47	736	2.64	750	2.85	768	3.10	784	3.32	799	3.52	830	3.94
11329	2200			737	2.61	752	2.78	766	2.97	779	3.17	794	3.42	811	3.67	826	3.88	856	4.31
11844	2300			768	2.94	782	3.13	796	3.32	809	3.52	821	3.75	838	4.02	853	4.27	881	4.72
12359	2400	300-50B	5	799	3.31	813	3.51	826	3.71	838	3.89	850	4.13	865	4.39	880	4.68	908	5.15
12874	2500			830	3.71	843	3.92	856	4.11	868	4.32	880	4.54	891	4.78	907	5.09	934	5.62
13389	2600			861	4.14	874	4.35	887	4.55	898	4.78	910	4.98	921	5.24	933	5.52	962	6.11
14419	2800	300-75B	7 1/2	923	5.10	935	5.32	947	5.55	959	5.77	970	6.01	980	6.24	990	6.51	1015	7.14
15449	3000			985	6.20	997	6.43	1009	6.69	1020	6.92	1030	7.17	1040	7.42				

CFM	O. V. FPM	SIZE	HP	1 1/2" SP RPM	1 1/2" SP BHP	1 3/4" SP RPM	1 3/4" SP BHP	2" SP RPM	2" SP BHP	2 1/4" SP RPM	2 1/4" SP BHP	2 1/2" SP RPM	2 1/2" SP BHP	2 3/4" SP RPM	2 3/4" SP BHP	3" SP RPM	3" SP BHP	3 1/2" SP RPM	3 1/2" SP BHP
6179	1200	300-30B	3	674	1.93	714	2.25	752	2.58										
6694	1300			692	2.11	729	2.43	766	2.78	801	3.14	839	3.52						
7209	1400			708	2.30	746	2.65	781	3.00	815	3.37	849	3.75	880	4.13	918	4.57		
7724	1500			726	2.52	762	2.87	799	3.25	831	3.61	863	4.01	895	4.42	925	4.83		
8239	1600			746	2.77	780	3.12	814	3.50	848	3.90	879	4.29	909	4.71	939	5.14	996	6.01
8754	1700	300-50B	5	767	3.05	800	3.41	832	3.78	864	4.19	897	4.61	926	5.03	954	5.46	1010	6.37
9269	1800			790	3.36	821	3.73	852	4.11	882	4.50	912	4.93	943	5.38	972	5.83	1025	6.74
9784	1900			814	3.70	843	4.07	872	4.46	901	4.87	930	5.28	959	5.73	988	6.21	1041	7.14
10299	2000			838	4.06	866	4.45	894	4.85	922	5.26	950	5.69	977	6.13	1004	6.59	1059	7.59
10814	2100			862	4.42	891	4.87	917	5.27	943	5.68	970	6.12	997	6.57	1023	7.04	1075	8.03
11329	2200			885	4.78	914	5.28	941	5.73	966	6.15	991	6.59	1017	7.05	1042	7.52	1091	8.49
11844	2300	300-75B	7 1/2	909	5.15	938	5.70	965	6.21	990	6.66	1014	7.11	1038	7.57	1062	8.04	1111	9.04
12359	2400			935	5.62	961	6.12	989	6.68	1014	7.20	1038	7.66	1061	8.13	1084	8.61	1130	9.62
12874	2500			961	6.10	986	6.60	1012	7.16	1038	7.73	1062	8.25	1084	8.73	1106	9.22		
13389	2600			987	6.62	1012	7.12	1036	7.65	1062	8.27	1086	8.84	1109	9.37	1130	9.87		
14419	2800	300-100B	10	1040	7.75	1063	8.29	1087	8.83	1109	9.40								
15449	3000			1094	8.96	1117	9.59												

Performance shown is for Type F & B Utility and Versatility Fans with outlet duct, based on air at .075 lb. per cu. ft. density (70°F 29.92 Hg. Barometer). BHP shown does not include belt losses.

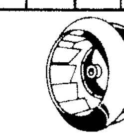
UTILITY SETS
VERSATILITY FAN SETS

SIZE 330 F WHEEL — 33" DIA. — 8.63 CIRC. OUTLET AREA — 6.26 SQ. FT.



CFM	O. V. FPM	SIZE	HP	1/4" SP RPM	1/4" SP BHP	3/8" SP RPM	3/8" SP BHP	1/2" SP RPM	1/2" SP BHP	5/8" SP RPM	5/8" SP BHP	3/4" SP RPM	3/4" SP BHP	7/8" SP RPM	7/8" SP BHP	1" SP RPM	1" SP BHP	1 1/4" SP RPM	1 1/4" SP BHP	1 1/2" SP RPM	1 1/2" SP BHP	1 3/4" SP RPM	1 3/4" SP RPM
5633	900			155	.40	185	.55	212	.72														
6259	1000			158	.47	187	.63	213	.81	237	1.00												
6885	1100	330-10F	1	162	.55	189	.72	215	.91	238	1.11	260	1.32										
7511	1200			166	.65	192	.83	217	1.03	240	1.23	261	1.46	281	1.69								
8137	1300			170	.76	196	.95	219	1.15	242	1.37	262	1.60	282	1.84	300	2.09						
8763	1400			175	.89	200	1.09	223	1.30	244	1.53	265	1.76	283	2.01	301	2.27	336	2.81				
9389	1500			180	1.04	204	1.24	226	1.46	247	1.70	267	1.95	286	2.20	303	2.46	336	3.02	368	3.61		
10015	1600			185	1.20	208	1.41	230	1.64	250	1.89	269	2.14	288	2.41	305	2.68	337	3.25	368	3.86		
10641	1700	330-15F	1 1/2	191	1.39	213	1.60	234	1.84	254	2.09	272	2.36	290	2.62	307	2.92	339	3.50	369	4.13	397	4.78
11267	1800			197	1.60	218	1.81	239	2.06	258	2.32	276	2.59	293	2.87	309	3.16	341	3.77	370	4.42	398	5.07
11893	1900	330-20F	2	203	1.83	223	2.06	243	2.30	262	2.57	280	2.85	296	3.14	312	3.44	344	4.08	373	4.72	399	5.41
12519	2000			210	2.07	229	2.32	248	2.57	266	2.84	284	3.13	300	3.42	316	3.75	346	4.38	375	5.06	401	5.75
13145	2100	330-30F	3	217	2.34	235	2.61	253	2.87	271	3.14	288	3.44	304	3.74	319	4.06	348	4.72	377	5.43	403	6.14
13771	2200			223	2.63	241	2.93	258	3.19	276	3.46	292	3.77	308	4.09	323	4.41	352	5.10	379	5.79	406	6.55
14397	2300			231	2.95	247	3.27	264	3.54	280	3.82	297	4.12	312	4.45	327	4.79	355	5.49	382	6.21	408	6.98
15023	2400			238	3.29	254	3.63	270	3.92	286	4.22	301	4.51	316	4.84	331	5.19	359	5.89	385	6.65	409	7.40
15649	2500	330-50F	5	245	3.65	260	4.00	276	4.32	291	4.63	306	4.94	321	5.27	335	5.61	363	6.34	388	7.12	413	7.90
16275	2600			252	4.04	267	4.43	282	4.77	297	5.07	311	5.40	326	5.72	340	6.08	367	6.83	391	7.59	416	8.43
16901	2700			260	4.45	274	4.86	288	5.24	303	5.56	317	5.89	331	6.22	345	6.58	371	7.34	396	8.13	419	8.97
17527	2800			267	4.91	281	5.34	295	5.72	309	6.07	322	6.41	336	6.76	349	7.11	375	7.86	400	8.69	423	9.52
18153	2900	330-75F	7 1/2	275	5.38	288	5.84	301	6.24	315	6.63	328	6.96	341	7.32	354	7.68	380	8.46	404	9.28	427	10.1
18779	3000			282	5.88	296	6.37	308	6.80	321	7.21	334	7.56	347	7.93	359	8.30	384	9.08	408	9.92	431	10.7
19405	3100			290	6.38	303	6.93	315	7.38	328	7.81	340	8.20	352	8.55	365	8.95	389	9.72	413	10.5	435	11.4
20031	3200	330-100F	10	298	6.90	310	7.52	322	8.01	334	8.42	346	8.88	358	9.25	370	9.64	394	10.4	417	11.2	439	12.2
20657	3300			306	7.45	318	8.13	330	8.67	341	9.12	353	9.57	364	9.95	376	10.3	399	11.1	422	12.0	443	12.9

SIZE 330 B.I. WHEEL — 33" DIA. — 8.63 CIRC. OUTLET AREA — 6.26 SQ. FT.

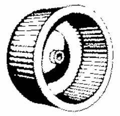


CFM	O. V. FPM	SIZE	HP	1/4" SP RPM	1/4" SP BHP	3/8" SP RPM	3/8" SP BHP	1/2" SP RPM	1/2" SP BHP	5/8" SP RPM	5/8" SP BHP	3/4" SP RPM	3/4" SP BHP	7/8" SP RPM	7/8" SP BHP	1" SP RPM	1" SP BHP	1 1/4" SP RPM	1 1/4" SP BHP
5007	800	330-07B	3/4	308	0.33	339	0.42	370	0.53	400	0.65	427	0.78	453	0.91				
5633	900			329	0.40	360	0.51	388	0.63	415	0.75	442	0.89	466	1.02	490	1.17	539	1.49
6259	1000			352	0.49	382	0.62	407	0.74	432	0.87	457	1.00	482	1.15	504	1.30	547	1.63
6885	1100			376	0.59	403	0.73	429	0.87	451	1.00	474	1.15	497	1.29	520	1.46	561	1.79
7511	1200			401	0.72	426	0.86	451	1.02	473	1.17	493	1.31	515	1.47	535	1.62	577	1.98
8137	1300	330-10B	1	427	0.85	450	1.01	472	1.17	495	1.35	515	1.50	534	1.66	553	1.83	591	2.17
8763	1400			453	1.00	474	1.18	495	1.35	516	1.53	537	1.72	555	1.89	573	2.05	609	2.41
9389	1500	330-15B	1 1/2	479	1.17	499	1.37	519	1.55	539	1.73	558	1.94	577	2.14	594	2.31	628	2.68
10015	1600			506	1.38	525	1.58	543	1.78	562	1.97	580	2.17	599	2.39	616	2.60	648	2.98
10641	1700	330-20B	2	534	1.61	551	1.81	569	2.03	586	2.23	603	2.43	620	2.65	638	2.89	669	3.31
11267	1800			561	1.86	577	2.06	594	2.30	610	2.52	627	2.74	643	2.95	659	3.18	691	3.67
11893	1900	330-30B	3	589	2.15	604	2.34	620	2.59	636	2.84	651	3.06	667	3.29	682	3.52	713	4.04
12519	2000			617	2.47	631	2.67	646	2.90	661	3.17	676	3.42	690	3.66	705	3.89	734	4.40
13145	2100			645	2.82	659	3.03	672	3.24	687	3.53	701	3.80	715	4.06	729	4.30	757	4.81
13771	2200			673	3.20	686	3.41	699	3.63	713	3.91	727	4.21	740	4.48	753	4.75	780	5.26
14397	2300	330-50B	5	701	3.61	714	3.83	726	4.07	739	4.32	753	4.63	765	4.94	778	5.22	804	5.76
15023	2400			729	4.05	742	4.30	754	4.54	765	4.77	778	5.10	791	5.42	803	5.72	828	6.29
15649	2500			757	4.55	770	4.80	782	5.04	792	5.29	804	5.59	817	5.92	829	6.25	852	6.87
16275	2600	330-75B	7 1/2	786	5.08	798	5.34	809	5.57	820	5.85	830	6.10	843	6.47	855	6.81	877	7.47
17527	2800			843	6.26	854	6.52	865	6.80	875	7.07	885	7.36	895	7.63	906	8.03	928	8.77
18779	3000	330-100B	10	[illegible]	7.60	910	7.89	921	8.20	931	8.48	940	8.78	949	9.08	958	9.37		
20031	3200			957	9.13	967	9.46	977	9.76							1013			

CFM	O. V. FPM	SIZE	HP	1 1/2" SP RPM	1 1/2" SP BHP	1 3/4" SP RPM	1 3/4" SP BHP	2" SP RPM	2" SP BHP	2 1/4" SP RPM	2 1/4" SP BHP	2 1/2" SP RPM	2 1/2" SP BHP	2 3/4" SP RPM	2 3/4" SP BHP	3" SP RPM	3" SP BHP	3 1/2" SP RPM	3 1/2" SP BHP
7511	1200	330-30B	3	614	2.34	650	2.73	684	3.13										
8137	1300			630	2.57	663	2.96	697	3.38	729	3.81	762	4.27						
8763	1400			644	2.80	680	3.23	711	3.64	742	4.09	772	4.56	801	5.02	835	5.55		
9389	1500	330-50B	5	661	3.07	694	3.50	727	3.95	756	4.40	785	4.87	814	5.37	842	5.87	902	6.95
10015	1600			679	3.38	710	3.80	741	4.26	772	4.75	800	5.22	828	5.72	855	6.24	906	7.31
10641	1700			699	3.72	728	4.15	758	4.61	787	5.09	816	5.61	843	6.12	868	6.63	919	7.75
11267	1800			720	4.10	748	4.54	776	5.00	803	5.48	831	6.00	858	6.55	885	[illegible]	933	8.19
11893	1900			742	4.52	768	4.97	794	5.44	821	5.93	847	6.44	873	6.97	900	7.55	948	8.69
12519	2000			764	4.95	789	5.43	814	5.91	840	6.41	865	6.93	890	7.46	914	8.02	964	9.24
13145	2100			785	5.39	812	5.94	835	6.43	859	6.92	883	7.46	908	8.01	931	8.57	972	9.77
13771	2200	330-75B	7 1/2	807	5.83	833	6.44	858	6.99	880	7.52	903	8.03	926	8.59	949	9.17		
14397	2300			829	6.32	855	6.95	880	7.57	902	8.12	924	8.67	946	9.22	966	9.80		
15023	2400			852	6.86	876	7.46	902	8.15	925	8.78	946	9.34	967	9.91				
15649	2500	330-100B	10	876	7.46	899	8.06	923	8.73	946	9.43								
16275	2600			900	8.08	922	8.70	944	9.34										

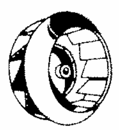
Performance shown is for Type F & B Utility and Versatility Fans with outlet duct, based on air at .075 lb. per cu. ft. density (70°F 29.92 Hg. Barometer). BHP shown does not include belt losses.

UTILITY SETS
VERSATILITY FAN SETS



WHEEL — 36½″ DIA. — 9.55 CIRC.   OUTLET AREA — 7.66 SQ. FT.   **SIZE 365 F**

CFM	O. V. FPM	SIZE	HP	¼″ SP RPM	¼″ SP BHP	⅜″ SP RPM	⅜″ SP BHP	½″ SP RPM	½″ SP BHP	⅝″ SP RPM	⅝″ SP BHP	¾″ SP RPM	¾″ SP BHP	⅞″ SP RPM	⅞″ SP BHP	1″ SP RPM	1″ SP BHP	1¼″ SP RPM	1¼″ SP BHP	1½″ SP RPM	1½″ SP BHP	1¾″ SP RPM	1¾″ SP BHP
6893	900			140	.48	167	.68	192	.88														
7659	1000			143	.57	169	.77	193	.99	215	1.23												
8425	1100			146	.67	171	.89	195	1.11	215	1.36	235	1.62										
9191	1200	365-10F	1	150	.79	174	1.02	196	1.26	217	1.51	236	1.78	254	2.06								
9957	1300			154	.93	177	1.16	198	1.41	219	1.68	237	1.96	255	2.25	271	2.56						
10723	1400			158	1.09	181	1.33	201	1.59	221	1.87	239	2.16	256	2.46	272	2.78	303	3.44				
11489	1500	365-15F	1½	162	1.27	185	1.52	204	1.79	223	2.08	241	2.38	258	2.69	274	3.01	304	3.69				
12255	1600			167	1.47	188	1.73	208	2.01	226	2.31	243	2.62	260	2.95	276	3.28	305	3.98	332	4.72		
13021	1700	365-20F	2	173	1.70	193	1.96	212	2.25	229	2.56	246	2.89	262	3.21	278	3.57	307	4.28	333	5.05	359	5.84
13787	1800			178	1.96	197	2.22	216	2.52	233	2.84	249	3.17	265	3.52	280	3.87	309	4.62	335	5.40	360	6.21
14553	1900	365-30F	3	184	2.24	202	2.52	220	2.82	237	3.15	253	3.49	268	3.85	282	4.21	311	4.99	337	5.77	361	6.62
15319	2000			190	2.54	207	2.84	224	3.15	241	3.48	256	3.84	271	4.19	285	4.58	312	5.36	339	6.19	363	7.04
16085	2100			196	2.87	212	3.19	229	3.51	245	3.84	260	4.21	275	4.58	288	4.97	315	5.78	341	6.64	365	7.51
16851	2200	365-50F	5	202	3.22	218	3.58	233	3.90	249	4.24	264	4.61	278	5.00	292	5.40	318	6.24	342	7.09	367	8.02
17617	2300			209	8.62	224	4.00	239	4.33	254	4.68	268	5.05	282	5.45	296	5.86	321	6.71	345	7.60	369	8.54
18383	2400			215	4.02	229	4.44	244	4.80	258	5.16	273	5.52	286	5.93	299	6.35	324	7.21	348	8.14	370	9.05
19149	2500			222	4.47	235	4.90	249	5.29	263	5.67	277	6.05	290	6.45	303	6.86	328	7.76	351	8.71		
19915	2600	365-75F	7½	228	4.95	242	5.42	255	5.84	268	6.20	282	6.61	295	7.00	307	7.44	332	8.36				
20681	2700			235	5.44	248	5.95	261	6.41	274	6.81	286	7.21	299	7.62	312	8.05						
21447	2800			242	6.01	254	6.54	267	7.01	279	7.43	291	7.85	304	8.27	316	8.70						
22213	2900			249	6.59	261	7.15	272	7.64	285	8.12	297	8.52	308	8.96								
22979	3000			255	7.19	267	7.79	279	8.33	290	8.82	302											
23745	3100	365-100F	10	262	7.81	274	8.49	285	9.03	296													
24511	3200			270	8.45	281	9.20																



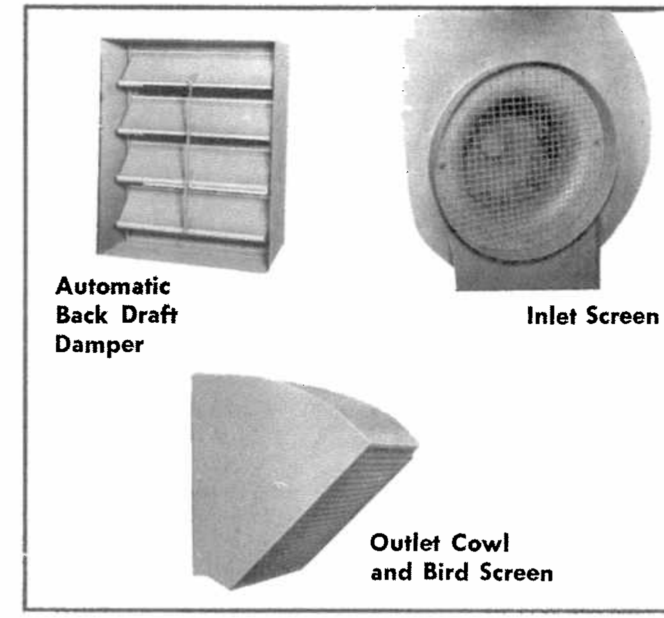
WHEEL — 36½″ DIA. — 9.55 CIRC.   OUTLET AREA — 7.66 SQ. FT.   **SIZE 365 B.I.**

CFM	O. V. FPM	SIZE	HP	¼″ SP RPM	¼″ SP BHP	⅜″ SP RPM	⅜″ SP BHP	½″ SP RPM	½″ SP BHP	⅝″ SP RPM	⅝″ SP BHP	¾″ SP RPM	¾″ SP BHP	⅞″ SP RPM	⅞″ SP BHP	1″ SP RPM	1″ SP BHP	1¼″ SP RPM	1¼″ SP BHP
6127	800			278	0.40	309	0.54	335	0.67	361	0.82	386	0.98	411	1.15				
6893	900			299	0.50	326	0.64	352	0.79	376	0.95	399	1.11	421	1.28	443	1.47		
7659	1000	365-10B	1	319	0.61	345	0.76	370	0.93	393	1.09	414	1.27	435	1.45	455	1.63	495	2.04
8425	1100			341	0.74	366	0.92	388	1.08	411	1.27	431	1.45	450	1.63	470	1.83	506	2.25
9191	1200			364	0.90	386	1.07	408	1.26	428	1.45	449	1.66	468	1.85	485	2.04	521	2.49
9957	1300	365-15B	1½	387	1.08	407	1.26	429	1.47	447	1.66	467	1.87	486	2.10	503	2.31	536	2.75
10723	1400			411	1.28	430	1.47	448	1.68	469	1.92	485	2.11	503	2.35	521	2.59	553	3.05
11489	1500	365-20B	2	437	1.54	453	1.72	470	1.94	488	2.17	506	2.41	521	2.62	539	2.88	571	3.39
12255	1600			462	1.82	476	2.00	492	2.22	508	2.45	527	2.72	542	2.97	557	3.19	589	3.74
13021	1700			488	2.14	500	2.30	515	2.54	531	2.79	546	3.04	563	3.33	578	3.58	606	4.11
13787	1800	365-30B	3	514	2.48	526	2.67	539	2.90	553	3.15	567	3.41	583	3.69	599	4.00	625	4.52
14553	1900			540	2.86	551	3.08	563	3.29	576	3.55	590	3.82	603	4.09	618	4.41	646	5.01
15319	2000			566	3.29	577	3.53	587	3.72	600	4.00	612	4.26	625	4.56	638	4.84	667	5.52
16085	2100	365-50B	5	593	3.79	603	4.01	612	4.23	623	4.47	636	4.77	648	5.06	660	5.36	687	6.04
16851	2200			620	4.33	629	4.54	638	4.78	647	4.99	659	5.30	671	5.60	682	5.92	706	6.57
17617	2300			647	4.93	655	5.10	664	5.37	673	5.60	683	5.88	694	6.20	705	6.50	727	7.18
18383	2400			673	5.58	681	5.71	690	6.01	698	6.26	707	6.48	717	6.84	728	7.17	750	7.85
19149	2500	365-75B	7½	700	6.29	707	6.41	715	6.70	724	6.97	732	7.21	741	7.51	752	7.87	772	8.56
19915	2600			727	7.05	734	7.18	741	7.43	749	7.73	757	7.99	765	8.23	775	8.61	795	9.32
21447	2800	365-100B	10	781	8.76	787	8.90	794	9.04	801	9.40	809	9.72	816	10.00				

CFM	O. V. FPM	SIZE	HP	1½″ SP RPM	1½″ SP BHP	1¾″ SP RPM	1¾″ SP BHP	2″ SP RPM	2″ SP BHP	2¼″ SP RPM	2¼″ SP BHP	2½″ SP RPM	2½″ SP BHP	2¾″ SP RPM	2¾″ SP BHP	3″ SP RPM	3″ SP BHP	3½″ SP RPM	3½″ SP BHP
9191	1200	365-30B	3	554	2.94	587	3.43	621	3.96										
9957	1300			568	3.23	599	3.72	630	4.24	660	4.80								
10723	1400			583	3.54	613	4.05	642	4.57	670	5.13	699	5.73	727	6.37				
11489	1500	365-50B	5	599	3.87	628	4.41	656	4.96	683	5.52	709	6.11	736	6.74	762	7.38		
12255	1600			618	4.28	644	4.78	671	5.37	697	5.96	722	6.54	747	7.18	772	7.82	822	9.22
13021	1700			636	4.70	662	5.26	686	5.80	712	6.43	737	7.05	760	7.67	784	8.33	831	9.71
13787	1800			653	5.12	680	5.74	705	6.33	727	6.90	752	7.57	776	8.23	798	8.89		
14553	1900			671	5.58	698	6.23	723	6.88	746	7.49	767	8.10	791	8.80	813	9.50		
15319	2000	365-75B	7½	690	6.10	716	6.75	741	7.44	765	8.12	786	8.76	806	9.38				
16085	2100			711	6.69	734	7.30	758	8.02	782	8.74	805	9.45						
16851	2200			733	7.32	754	7.96	776	8.63	799	9.38								
17617	2300			752	7.93	775	8.66	795	9.32										
18383	2400	365-100B	10	772	8.57	796	9.39												
19149	2500			793	9.28														

Performance shown is for Type F & B Utility and Versatility Fans with outlet duct, based on air at .075 lb. per cu. ft. density (70°F 29.92 Hg. Barometer). BHP shown does not include belt losses.

ACCESSORIES...



SCROLL DAMPERS — These may be provided to enable the discharge from the fan to be throttled down to allow accurate regulation of air flow. Each damper is manually adjustable, external to the ductwork.

BACKDRAFT DAMPERS — All Sheldons Utility Fans can be furnished with automatic backdraft dampers, to prevent cold air or drafts entering the building when the fan is not in use. Damper can be either gravity operated in sizes 60 to 365 or motor operated from size 122 to 365. Each damper blade is made of light gauge aluminum with felt sealing strips to reduce leakage and noise. All blades are connected by a common link mechanism to provide uniform flow.

INLET SCREENS — On open inlet installations, it is advisable to provide an open wire mesh inlet screen to eliminate danger to personnel.

OUTLET COWL AND BIRD SCREEN — On outdoor installations, it is necessary to provide an outlet cowl on the discharge to prevent wind-blown rain and snow entering the fan. Sheldons outlet cowls can also be furnished with a bird screen.

DRAIN — To prevent build up of condensation in the fan, a ½″ coupling can be welded to the lowest point in the fan scroll, on request.

WEATHERHOOD — Available for use on outdoor installations to protect the motor, bearings, and drive from the weather.

BELT GUARD — Can be supplied if requested. Not necessary when weatherhood is supplied with Utility Sets.

VIBRATION ISOLATION — Rubber-in-shear vibration isolation support can be provided if requested. These reduce the transmission of vibration to the floor of the building. For some applications and on small fans, cork and rubber pads are adequate. On fan sizes larger than No. 222, spring vibration isolation can be furnished.

MOTORS — Sleeve bearing motors are used on Sheldons Utility Fans, up to and including ½ HP, unless otherwise requested. Fractional horsepower ball bearing motors, and totally enclosed motors can be supplied to suit customer requirements.

ACCESS DOOR — Bolted access doors can be provided in the fan scroll to facilitate the clean-out of dirt, grease or dust on the wheel and casing.

SPECIAL CONSTRUCTION FEATURES — This includes aluminum wheels on sizes 122 and larger and special protective coatings. Please contact Sheldons Representative for recommendations re available coatings.

SELECTION DATA...

The following information is intended as a guide in the selection of a fan from this catalogue.

BEST FAN FOR THE JOB — With two wheel designs to choose from, it is necessary to consider the advantages in each case.

Type F wheel will usually give a smaller fan for the same capacity, lower fan speeds, but less efficiency and a rising horsepower characteristic.

Type BI wheel will give high static efficiencies which will mean lower horsepowers and sometimes smaller HP motors, a non-overloading horsepower characteristic.

As a general guide, the higher the static pressure, the noisier the installation will be, since it is necessary to achieve high tip speeds at the fan wheel to obtain these higher static pressures.

At right is a recommended list of outlet velocities, and static pressures that will give the quietest fan for both Type F and Type BI wheels.

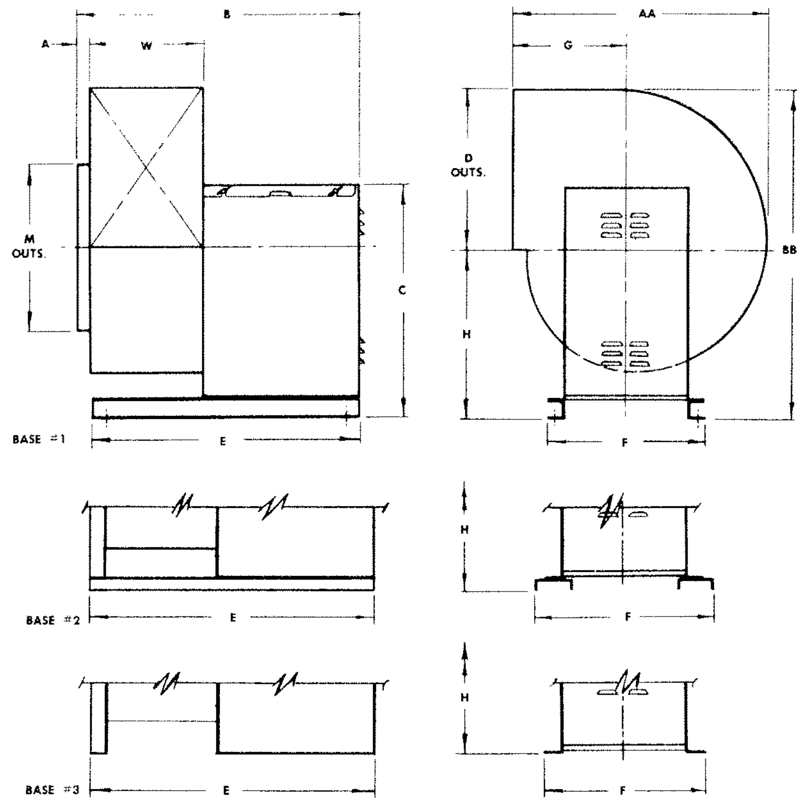
STATIC PRESSURE Ins. wg.	TYPE F OUTLET VELOCITY fpm	TYPE B OUTLET VELOCITY fpm
¼	900 — 1050	800 — 1000
½	1000 — 1200	900 — 1200
¾	1250 — 1400	1100 — 1600
1	1400 — 1750	1200 — 1800
1¼	1500 — 1800	1300 — 2000
1½	1750 — 2000	1400 — 2200
2	2100 — 2400	1600 — 2600

For same size fans selected at maximum efficiency and for the same capacity, the Type F wheel will usually be quieter due to the lower mechanical noise at its lower fan speed. However, each installation should be considered as a whole before selecting the desired fan type.

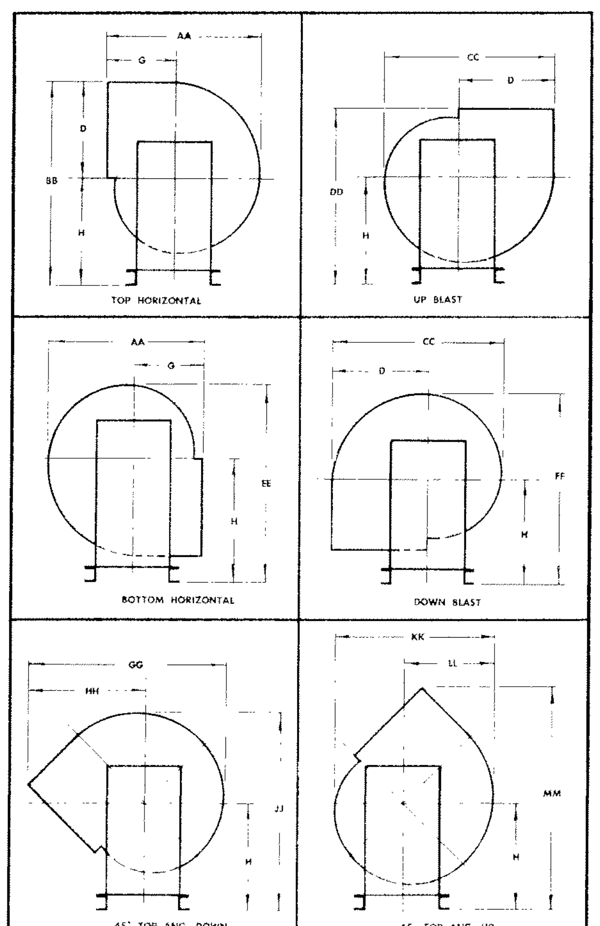
DUCT VELOCITIES — In order to keep the system resistance as low as possible and to reduce noise, the velocities listed below are recommended.

	SCHOOLS, OFFICES, BLDGS., THEATRES, ETC.		INDUSTRIAL BUILDINGS, WAREHOUSES, FACTORIES, ETC.	
	Recommended	Maximum	Recommended	Maximum
Exhaust Grilles	400	450	500	600
Supply Grilles	300	350	400	500
Fresh Air Intakes	500	900	500	1200
Main Ducts	1000 — 1300	1100 — 1600	1200 — 1800	1300 — 2200
Branch Ducts	600 — 900	800 — 1300	800 — 1000	1000 — 1800
Branch Risers	600 — 700	800 — 1200	800	1000 — 1600

All figures are in feet per minute (fpm)



BASE #1 – SUPPLIED FOR SIZES #122-165
BASE #2 – SUPPLIED FOR SIZES #182-222
BASE #3 – SUPPLIED FOR SIZES #245-365 (INLET SUPPORT ONLY)



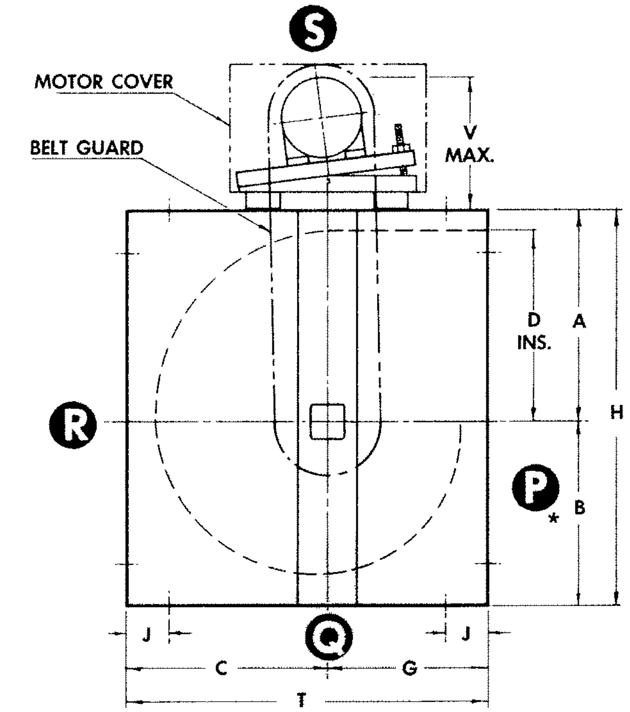
UTILITY SETS
DIMENSIONS . . .
BELT DRIVEN UNITS

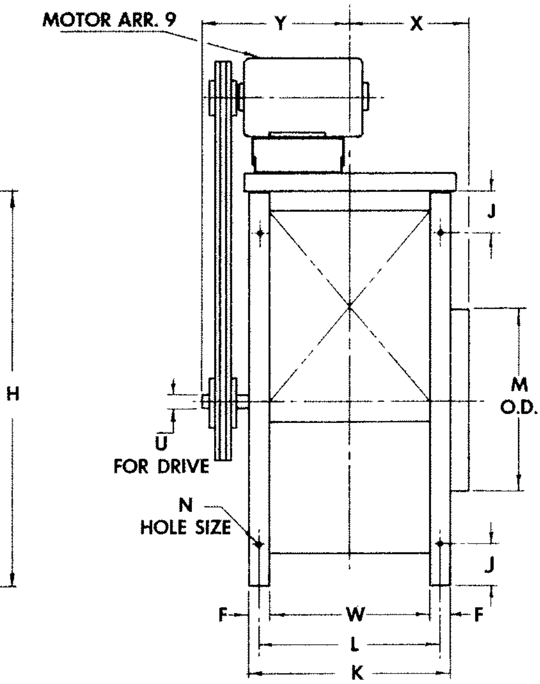
TYPE **BI**
TYPE **F**

FAN SIZE		122	135	150	165	182	200	222	245	270	300	330	365
A		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	2	2	2	2	2
B		28 1/4	29 1/8	34 3/8	35 1/2	36 7/8	38 1/8	39 7/8	47 1/4	49 1/8	54 5/8	56 7/8	59 5/8
D		13 3/8	14 3/4	16 3/8	18	19 7/8	21 3/4	24 1/8	26 5/8	29 3/8	32 5/8	35 7/8	39 5/8
E		26	26	33	33	37	38 1/2	41	47 1/4	49 1/8	55 1/8	57 3/8	60 1/8
F		18	18	20 1/4	20 1/4	22	22	22	25 1/2	25 1/2	36 1/2	36 1/2	36 1/2
G		12 1/4	12 1/2	13 3/4	13 3/4	14 1/2	15 3/4	17 1/2	19	20 1/2	24 1/2	25	27
M		16	17 1/4	18 3/4	20 1/4	23 1/4	25 1/4	27 1/4	29 3/4	33 1/4	36 1/4	39 1/4	42 3/4
W		9 5/8	10 1/2	11 3/4	12 7/8	14 1/4	15 1/2	17 1/4	19 1/8	21	23 3/8	25 5/8	28 3/8
AA		24 1/4	25 3/4	28 3/8	29 7/8	32 1/4	35 1/4	39 1/8	42 7/8	46 3/4	53 1/2	57 1/8	62 1/2
BB		32 1/8	33 1/2	37 1/8	38 3/4	40 1/2	42 3/8	48 1/4	51 5/8	54 3/8	62 1/8	65 3/8	74 1/8
CC		23 3/4	26 1/8	29	31 7/8	35 1/4	38 1/2	42 3/4	47 1/4	52	57 3/4	63 1/2	70 1/4
DD		31	31 1/4	34 1/2	34 1/2	35 1/8	39 7/8	41 5/8	44	51 1/2	59	59 1/2	65
EE		29 1/8	30 1/8	33 3/8	36 1/8	39 1/2	40 7/8	45 1/4	51 5/8	53 5/8	59 5/8	65 5/8	71 5/8
FF		30 3/4	32	35 3/8	36 7/8	38 3/8	40 1/8	45 3/4	48 7/8	51 1/4	58 3/4	61 5/8	70
GG		28 1/2	31 5/8	34 7/8	37 1/2	40 7/8	44 5/8	49 3/4	54 1/2	59 7/8	67 3/4	72 7/8	80
HH		17 3/8	19 1/4	21 1/4	22 1/2	24 1/4	26 1/2	29 1/2	32 1/4	35 3/8	40 1/2	43	47
JJ		31 1/2	32 5/8	36 1/4	37 7/8	39 1/2	41 1/4	47	50 1/4	52 7/8	60 1/2	63 1/2	72
KK		22 1/8	24 1/4	27	29 5/8	32 3/4	35 3/4	39 3/4	43 7/8	48 3/8	53 3/4	59	65 1/4
LL		12 3/4	13 7/8	15 1/2	17 1/8	18 7/8	20 5/8	22 7/8	25 1/4	27 7/8	31	34	37 1/2
MM		36 1/8	38	42	43 1/4	43 3/8	47 1/8	53 5/8	57 1/4	66 3/8	70	77 1/2	81 1/2
Top Horz.	C	26 1/2	26 1/2	29 1/2	29 1/2	29 3/8	29 3/8	32 7/8	36	36	45 1/2	45 1/2	50 1/2
	H	18 3/4	18 3/4	20 3/4	20 3/4	20 5/8	20 5/8	24 1/8	25	25	29 1/2	29 1/2	34 1/2
Blast Up	C	26 1/2	26 1/2	29 1/2	29 1/2	29 3/8	32 7/8	32 7/8	36	42	50 1/2	50 1/2	54
	H	18 3/4	18 3/4	20 3/4	20 3/4	20 5/8	24 1/8	24 1/8	25	31	34 1/2	34 1/2	38
Bott. Horz.	C	26 1/2	26 1/2	29 1/2	31	32 7/8	32 7/8	35 3/8	42	42	50 1/2	54	57
	H	18 3/4	18 3/4	20 3/4	22 1/4	24 1/8	24 1/8	26 5/8	31	31	34 1/2	38	41
Down Blast	C	26 1/2	26 1/2	29 1/2	29 1/2	29 3/8	29 3/8	32 7/8	36	36	45 1/2	45 1/2	50 1/2
	H	18 3/4	18 3/4	20 3/4	20 3/4	20 5/8	20 5/8	24 1/8	25	25	29 1/2	29 1/2	34 1/2
45° Top Ang. Down	C	26 1/2	26 1/2	29 1/2	29 1/2	27 7/8	27 7/8	29 3/8	36	36	45 1/2	45 1/2	50 1/2
	H	18 3/4	18 3/4	20 3/4	20 3/4	19 1/8	19 1/8	20 5/8	25	25	29 1/2	29 1/2	34 1/2
45° Top Ang. Up	C	26 1/2	26 1/2	29 1/2	29 1/2	27 7/8	29 3/8	32 7/8	36	42	45 1/2	50 1/2	50 1/2
	H	18 3/4	18 3/4	20 3/4	20 3/4	19 1/8	20 5/8	24 1/8	25	31	29 1/2	34 1/2	34 1/2
Fan Shaft. Dia.		15/16	15/16	15/16	1 3/16	1 3/16	1 3/16	1 7/16	1 7/16	1 11/16	1 11/16	1 15/16	1 15/16
Keyway		1/4x1/8	1/4x1/8	1/4x1/8	1/4x1/8	1/4x1/8	1/4x1/8	3/8x3/16	3/8x3/16	3/8x3/16	3/8x3/16	1/2x1/4	1/2x1/4
Max. CEMA 'T' Frame Motor (1750 Std.-Prot.)		145T	182T	184T	184T	184T	213T	213T	215T	215T	254T	254T	254T
Max. Wt. Incl. CEMA 'T' Motors and Support Bases		195	220	245	255	310	420	495	610	660	960	1160	1440

VERSATILITY FAN SETS
DIMENSIONS . . .
BELT DRIVEN UNITS

TYPE **BI**
TYPE **F**





NOTE — Motor positions are fixed as shown and where other discharge is required motor position rotates with casing to desired outlet location.

Fan Size	Wheel Dia.	A	B	C	D	F	G	H	J	K	L	M	N	T	U	Keyway	V	W	X	Y	Max. Motor Frame	▲Fan Weight Class I
122	12 1/4	14 7/8	11 7/8	13 9/16	13 3/8	1 1/2	9 15/16	26 3/4	3	12 1/2	11 1/4	16	7/16	23 1/2	15/16	1/4x1/8x3 1/2	14	9 1/2	6 5/16	11 7/8	145T	86
135	13 1/2	16 1/4	13	14 13/16	14 3/4	1 1/2	10 11/16	29 1/4	3	13 3/8	12 1/8	17 1/4	7/16	25 1/2	15/16	1/4x1/8x3 1/2	15	10 3/8	6 3/4	12 3/8	145T	100
150	15	17 7/8	14 1/8	16 3/16	16 3/8	1 1/2	11 11/16	32	3	14 5/8	13 3/8	18 3/4	7/16	27 7/8	15/16	1/4x1/8x3 1/2	17	11 5/8	7 7/16	13	182T	140
165	16 1/2	19 1/2	15 1/2	17 11/16	18	1 1/2	12 11/16	35	3	15 3/4	14 1/2	20 1/4	7/16	30 3/8	15/16	1/4x1/8x3 1/2	17	12 3/4	8	13 5/8	182T	164
182	18 1/4	21 7/8	17 3/8	19 13/16	19 7/8	2	14 7/16	39 1/4	4	18 1/8	16 3/8	23 1/4	9/16	34 1/4	1 3/16	1/4x1/8x3 1/2	17	14 1/8	8 11/16	15	182T	213
200	20	23 3/4	18 3/4	21 9/16	21 3/4	2	15 9/16	42 1/2	4	19 3/8	17 5/8	25 1/4	9/16	37 1/8	1 3/16	1/4x1/8x3 1/2	17	15 3/8	9 5/16	15 5/8	184T	244
222	22 1/4	26 1/8	20 5/8	23 11/16	24 1/8	2	17 1/16	46 3/4	4	21 1/8	19 3/8	27 1/4	9/16	40 3/4	1 3/16	1/4x1/8x3 1/2	17	17 1/8	10 3/16	16 1/2	184T	310
245	24 1/2	28 5/8	22 5/8	25 15/16	26 5/8	2	18 9/16	51 1/4	4	22 7/8	21 1/8	29 3/4	9/16	44 1/2	1 3/16	1/4x1/8x3 1/2	17	18 7/8	11 9/16	17 3/8	184T	405
270	27	31 7/8	24 5/8	28 5/16	29 3/8	2 1/2	20 5/16	56 1/2	5	25 3/4	23 1/2	33 1/4	11/16	48 5/8	1 7/16	3/8x3/16x3 1/2	20	20 3/4	12 1/2	19	213T	477
300	30	35 1/8	27 1/8	31 5/16	32 5/8	2 1/2	22 5/16	62 1/4	5	28 1/8	25 7/8	36 1/4	11/16	53 5/8	1 11/16	3/8x3/16x3 1/2	20	23 1/8	13 11/16	20 3/8	213T	592
330	33	38 3/8	29 5/8	34 3/16	35 7/8	2 1/2	24 5/16	68	5	30 3/8	28 1/8	39 1/4	11/16	58 1/2	1 11/16	3/8x3/16x3 1/2	20	25 3/8	14 13/16	21 1/2	215T	688
365	36 1/2	42 1/8	32 5/8	37 9/16	39 5/8	2 1/2	26 11/16	74 3/4	5	33 1/8	30 7/8	42 3/4	11/16	64 1/4	1 11/16	3/8x3/16x3 1/2	20	28 1/8	16 3/16	22 7/8	215T	827

▲ Weights shown do not include motor, drive, guard and base.

* Locating motors in position 'P' will depend on motor frame size — Check with nearest Sheldon office.

SMALL SIZE UTILITY SETS

Direct Connected and Belt Driven Arrangement with Type FS Wheels Only

Sheldons small size utility sets are designed for economical, efficient and quiet operation, for use with ducted systems to ventilate restaurants, meeting rooms, offices and for exhausting air from washers and dryers, toilets and washrooms. These sets are available direct-connected or belt-driven in four wheel sizes.

CONSTRUCTION:

Rigid steel housings with twelve discharge positions to suit any application, complete with adjustable motor and bearing platforms.

Dynamically balanced wheel with pillow block ball bearings.

Adjustable V-belt drives with resilient mounted motors for most selections.

Finished in weather resistant polyester paint baked over zinc phosphate coating.

Channel steel support rails provided as standard equipment for maximum stability.

Optional accessories: neoprene gasketted weatherhood is available for outdoor applications.

A belt guard is available for indoor use on belt drive units.

Forty-five (45°) outlet cowl with birdscreen.

Automatic blow open shutters for preventing drafts into the building.

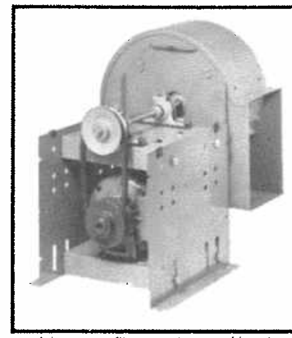
Gasketted access door.

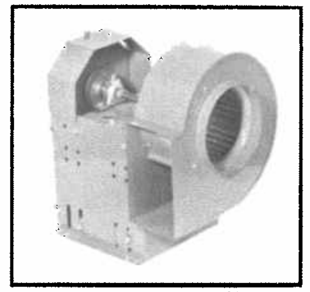
Drain connection.

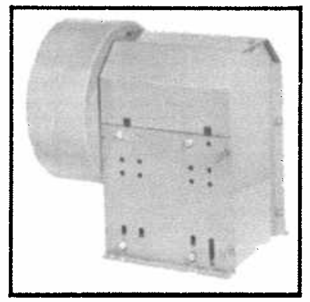
Inlet screen.

Rubber in sheer isolators suitable for vibration control, but spring isolators can be provided for increased efficiency.

These small utility sets can be specially coated with plastisol against corrosion in fume exhaust applications. Contact Sheldons sales representative for details.

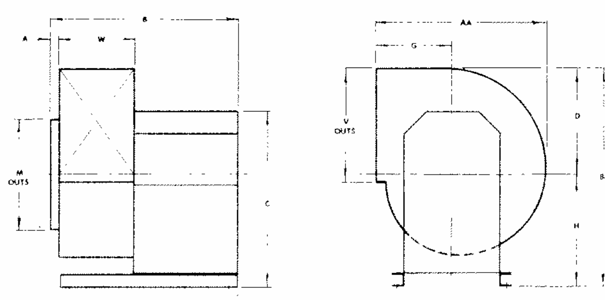

Motor Base Installed

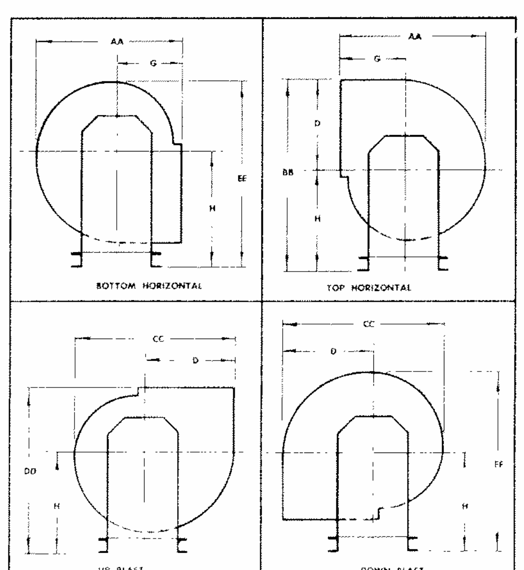

Belt Guard Installed


Weatherhood Installed

DIMENSIONS . . .

Fan Size	60	75	100	110
A	1	1	2	2
B	17 5/8	17	28 3/4	30
C	17 5/8	17 5/8	22 1/2	22 1/2
D	7 1/8	7	8 3/4	9 3/4
E	15 1/2	15 1/2	26	26
F	10 1/2	10 1/2	15	15
G	6 5/8	6 1/8	7 3/8	8
H	13 1/4	13 1/4	16 1/4	16 1/4
M	7	7	10 1/8	11 5/8
V	6 1/4	8	10 3/8	11 1/2
W	5 7/8	5 1/4	8 3/4	9 7/8
AA	12 3/8	12 3/4	15 1/8	16 3/4
BB	20 3/8	20 1/4	25	26
CC	12 1/8	12 1/2	15 3/4	17 1/2
DD	19 7/8	19 3/8	23 5/8	24 1/4
EE	18 1/4	18 3/4	23 1/8	24
FF	19	19 7/8	24	25
Shipping Wt.	42	58	107	112





SHELDONS ENGINEERING
Leaders in Fan Technology

SMALL SIZE UTILITY SETS ONLY

(Versatility Fans not available in this size)

FORWARD CURVED

TYPE FS WHEEL ONLY

DIRECT CONNECTED UNITS

SIZE	MOTOR HP	MOTOR RPM	1/16" SP CFM	HP	1/8" SP CFM	HP	3/16" SP CFM	HP	1/4" SP CFM	HP	3/8" SP CFM	HP	1/2" SP CFM	HP	5/8" SP CFM	HP	3/4" SP CFM	HP	1" SP CFM	HP	1 1/4" SP CFM	HP
60FS-L	1/8	850	260	.02	202	.017																
60FS-M	1/8	1140	372	.052	343	.045	308	.041	234	.033												
60FS-H	1/4	1750	584	.191	575	.189	562	.184	549	.166	495	.154	440	.145	312	.100						

SIZE	MOTOR HP	MOTOR RPM	1/16" SP CFM	HP	1/8" SP CFM	HP	3/16" SP CFM	HP	1/4" SP CFM	HP	3/8" SP CFM	HP	1/2" SP CFM	HP	5/8" SP CFM	HP	3/4" SP CFM	HP	1" SP CFM	HP	1 1/4" SP CFM	HP
75FS-L	1/8	850	486	.068	461	.063	423	.055	372	.044												
75FS-M	1/4	1140	670	.172	656	.166	632	.156	608	.146	529	.121	450	.095								
75FS-H	3/4	1750	1030	.625	1020	.614	1010	.605	1000	.595	980	.575	952	.545	922	.52	885	.485	795	.41	660	.32

SIZE	MOTOR HP	MOTOR RPM	1/8" SP CFM	HP	1/4" SP CFM	HP	3/8" SP CFM	HP	1/2" SP CFM	HP	5/8" SP CFM	HP	3/4" SP CFM	HP	7/8" SP CFM	HP	1" SP CFM	HP	1 1/8" SP CFM	HP	1 1/4" SP CFM	HP
100FS-L	1/4	850	1230	.26	1100	.21	940	.17	700	.12												
100FS-M	1/2	1150	1700	.67	1616	.58	1520	.52	1410	.46	1260	.40	1110	.35	925	.29						
100FS-H	1 1/2	1750																				

SIZE	MOTOR HP	MOTOR RPM	1/8" SP CFM	HP	1/4" SP CFM	HP	3/8" SP CFM	HP	1/2" SP CFM	HP	5/8" SP CFM	HP	3/4" SP CFM	HP	7/8" SP CFM	HP	1" SP CFM	HP	1 1/8" SP CFM	HP	1 1/4" SP CFM	HP
110FS-L	1/2	850	2040	.51	1860	.44	1640	.37	1400	.28	1200	.23										
110FS-M	1 1/2	1140	2780	1.22	2650	1.14	2520	1.06														
110FS-M	1	1140							2380	.98	2220	.88										
110FS-M	3/4	1140											2030	.75	1800	.64	1610	.54	1440	.46		

BELT DRIVEN UTILITY SETS

60 FS — Wheel Diam. 6" — Outlet Area .25 Sq. Ft.

CFM	FPM	MOTOR HP	1/4" SP RPM	HP	3/8" SP RPM	HP	1/2" SP RPM	HP	5/8" SP RPM	HP	3/4" SP RPM	HP	7/8" SP RPM	HP	1" SP RPM	HP	1 1/4" SP RPM	HP	1 1/2" SP RPM	HP
144	600	1/6	1090	.019																
168	700		1096	.021	1338	.034														
192	800		1102	.024	1340	.037	1539	.055												
216	900		1122	.029	1342	.043	1543	.060	1730	.073										
240	1000		1143	.034	1345	.050	1548	.066	1731	.077	1892	.096								
264	1100		1173	.040	1366	.055	1561	.070	1734	.083	1896	.103	2039	.122						
288	1200		1203	.047	1389	.060	1575	.074	1737	.090	1900	.110	2040	.130	2178	.150				
312	1300		1241	.052	1419	.068	1595	.084	1750	.100	1903	.118	2043	.138	2179	.159	2429	.206		
336	1400		1279	.057	1450	.076	1622	.095	1763	.111	1905	.127	2047	.147	2180	.168	2430	.219	2680	.271
384	1600		1385	.078	1530	.097	1675	.116	1815	.138	1956	.160	2085	.174	2210	.198	2445	.247	2681	.298
432	1800		1492	.099	1610	.118	1728	.137	1867	.165	2007	.194	2123	.211	2240	.228	2461	.276	2682	.325
480	2000	1/4	1598	.125	1708	.146	1819	.167	1943	.196	2067	.226	2178	.253	2290	.279	2500	.325	2711	.372
528	2200		1705	.151	1807	.174	1910	.198	2019	.228	2128	.259	2234	.295	2340	.331	2540	.375	2740	.420
576	2400		1832	.201	1932	.222	2033	.245	2123	.272	2213	.299	2311	.335	2410	.371	2627	.434	2845	.498
624	2600		1960	.250	2058	.271	2156	.293	2227	.316	2298	.339	2389	.375	2480	.412	2715	.494	2950	.577

75 FS — Wheel Diam. 7 1/2" — Outlet Area .28 Sq. Ft.

CFM	FPM	MOTOR HP	1/4" SP RPM	HP	3/8" SP RPM	HP	1/2" SP RPM	HP	5/8" SP RPM	HP	3/4" SP RPM	HP	7/8" SP RPM	HP	1" SP RPM	HP	1 1/4" SP RPM	HP	1 1/2" SP RPM	HP
186	700	1/6	731	.0136																
213	800		739	.017																
240	900		747	.020	893	.026														
266	1000		765	.024	898	.032	1032	.040												
293	1100		783	.027	912	.037	1039	.046	1147	.056	1255	.067								
320	1200		806	.033	925	.042	1045	.051	1155	.063	1260	.077								
346	1300		830	.039	945	.050	1061	.059	1163	.071	1265	.082	1361	.09	1456	.103				
372	1400		850	.044	964	.056	1078	.067	1185	.084	1270	.086	1370	.105	1460	.109				
426	1600		900	.058	1015	.075	1120	.086	1208	.097	1295	.109	1380	.12	1465	.129	1627	.16	1788	.19
480	1800		972	.083	1066	.095	1160	.106	1249	.121	1337	.142	1417	.15	1497	.160	1646	.185	1794	.218
532	2000	1/4	1045	.105	1130	.125	1200	.127	1290	.145	1380	.164	1455	.18	1530	.192	1665	.21	1800	.247
586	2200		1117	.138	1187	.15	1258	.159	1341	.164	1425	.196	1500	.21	1575	.232	1701	.26	1830	.294
640	2400		1186	.169	1254	.18	1315	.191	1392	.21	1470	.227	1545	.26	1620	.272	1740	.31	1860	.342
692	2600		1255	.208	1322	.22	1388	.234	1447	.247	1506	.26	1586	.29	1665	.313	1782	.35	1900	.392

100 FS — Wheel Diam. 10 1/4" — Outlet Area .62 Sq. Ft.

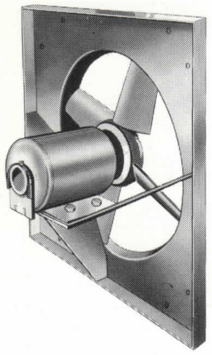
CFM	FPM	MOTOR HP	1/4" SP RPM	HP	3/8" SP RPM	HP	1/2" SP RPM	HP	5/8" SP RPM	HP	3/4" SP RPM	HP	7/8" SP RPM	HP	1" SP RPM	HP	1 1/4" SP RPM	HP	1 1/2" SP RPM	HP
310	500	1/6	585	.03																
370	600		590	.03	716	.04	826	.06												
430	700		596	.04	720	.05	828	.07	925	.09										
500	800		613	.04	730	.06	831	.08	927	.10	1015	.12	1095	.15						
560	900		626	.05	736	.07	835	.09	930	.11	1018	.13	1098	.16	1175	.19				
620	1000		651	.07	752	.09	846	.11	936	.12	1020	.15	1100	.17	1170	.20	1310	.26		
680	1100		677	.08	768	.10	857	.12	943	.14	1030	.17	1100	.19	1175	.22	1300	.28	1440	.34
750	1200		704	.09	792	.11	872	.14	960	.17	1040	.20	1110	.20	1180	.23	1308	.30	1435	.36
800	1300		721	.10	812	.13	889	.15	968	.18	1043	.21	1115	.23	1182	.26	1311	.31	1432	.37
870	1400	1/4	751	.12	839	.15	918	.17	985	.20	1058	.24	1127	.27	1193	.30	1320	.35	1437	.40
990	1600		803	.16	886	.19	964	.22	1035	.26	1099	.30	1160	.33	1221	.36	1341	.43	1455	.49
1120	1800		869	.22	941	.25	1014	.28	1090	.32	1143	.36	1195	.39	1251	.42	1364	.51	1475	.58
1240	2000	1/3	930	.28	991	.31	1065	.36	1134	.40	1192	.44	1247	.48	1302	.52	1401	.60	1503	.68
1360	2200	1/2	996	.37	1054	.40	1117	.43	1177	.47	1240	.51	1298	.56	1353	.61	1438	.68	1530	.77
1490	2400		1068	.46	1122	.49	1181	.54	1236	.58	1293	.62	1349	.67	1401	.72	1496	.82	1583	.91
1610	2600	3/4	1135	.57	1188	.60	1240	.64	1290	.68	1342	.73	1394	.78	1445	.83	1550	.95	1632	1.04

110 FS — Wheel Diam. 11 1/4" — Outlet Area .90 Sq. Ft.

CFM	FPM	MOTOR HP	1/4" SP RPM	HP	3/8" SP RPM	HP	1/2" SP RPM	HP	5/8" SP RPM	HP	3/4" SP RPM	HP	7/8" SP RPM	HP	1" SP RPM	HP	1 1/4" SP RPM	HP	1 1/2" SP RPM	HP
390	500	1/6	535	.02																
470	600		533	.03	650	.04	755	.06												
550	700		530	.03	650	.05	760	.06												
620	800		542	.04	648	.05	750	.07	830	.09										
700	900		555	.05	645	.07	740	.08	835	.10	925	.12	1014	.14						
780	1000		570	.07	652	.08	745	.10	832	.12	917	.14	993	.16	1060	.19				
860	1100		585	.08	660	.09	750	.11	830	.13	915	.16	985	.18	1065	.20	1190	.25		
930	1200		607	.10	685	.11	760	.13	837	.15	910	.17	994	.20	1068	.24	1180	.27	1300	.32
1010	1300	1/4	630	.12	710	.13	770	.15	845	.17	918	.19	1000	.22	1070	.26	1172	.29	1310	.36
1090	1400		640	.13	730	.14	800	.17	860	.20	925	.22	1005	.26	1072	.27	1175	.31	1290	.38
1250	1600		685	.17	775	.21	840	.23	900	.26	955	.28	1020	.31	1074	.34	1178	.40	1240	.45
1400	1800		720	.22	804	.26	871	.29	935	.32	989	.35	1036	.38	1092	.41	1188	.47	1290	.54
1560	2000	1/3	767	.29	840	.33	908	.37	970	.41	1027	.44	1078	.47	1128	.51	1219	.57	1307	.64
1710	2200	1/2	815	.36	877	.40	946	.45	1005	.49	1065	.53	1120	.57	1169	.61	1250	.67	1325	.74
1870	2400		868	.46	929	.51	991	.55	1047	.60	1102	.64	1155	.69	1207	.74	1292	.82	1368	.89
2030	2600	1	922	.56	981	.61	1036	.66	1089	.71	1140	.76	1190	.82	1245	.87	1335	.96	1410	1.1

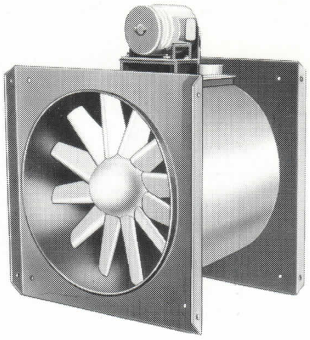
BELT DRIVEN UNITS ONLY — Performances based on air at .075 lb. per cu. ft. dens. (70°F 29.92 Hg Barometer)
BHP shown does not include belt losses.

OTHER VENTILATION PRODUCTS



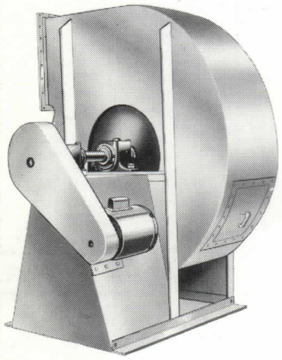
PROPELLER FANS
STEEL PANEL

AVAILABLE SIZES AND ACCESSORIES:
Sizes 12M, 16M, 16H2, 18M, 20M, 24M, 27M and 30M
Catalogue #651
Available accessories
- wire guards (motor side only)
- shutters



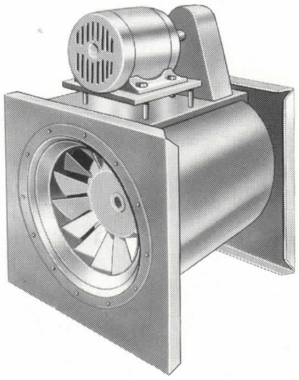
TUBE & VANEAXIA AF FANS

AVAILABLE SIZES AND ACCESSORIES:
Sizes 12″ thru 38″, Arr. 4 and 9
Catalogue #688
Available accessories
- inlet screens
- external belt guard
- extended junction box



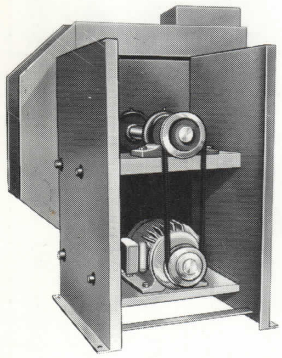
INDUSTRIAL EXHAUSTERS

AVAILABLE SIZES AND ACCESSORIES:
Sizes 11 thru 19, Arr. 1 and 9, XO and XB Wheels,
Catalogue #420A
Available accessories
- scroll access doors
- scroll drains
- inlet screens



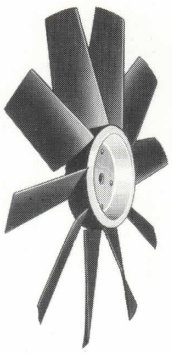
MF FANS

AVAILABLE SIZES AND ACCESSORIES:
Sizes 300 thru 800
Catalogue #690A
Available accessories
- slip fit connection



SMALL INDUSTRIAL EXHAUSTERS

AVAILABLE SIZES AND ACCESSORIES:
Sizes 7 and 9, Arr. 1 and 10, XO and XB Wheels
Catalogue #527
Available accessories
- belt guard
- access scroll doors
- scroll drains
- inlet screens
- isolation rails



MULTI-WING WHEELS

AVAILABLE SIZES AND ACCESSORIES:
Catalogue #670

Sheldons Engineering.

Leaders in fan technology

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