

# SIZE 180

## SWSI TYPE PBA CENTRIFUGAL FAN

INTAKE AREA = 1.917 S. F. OUTLET AREA = 1.915 S. F. WHEEL DIAMETER = 18.25"

TIP SPEED FPM = 4.78 x RPM MAX. BHP = .514 ( RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA,  
CLASS III / BOTTOM SHADED AREA, CLASS IV

|      |      | 0.125 SP |       | 0.25 SP |       | 0.5 SP |       | 0.75 SP |       | 1 SP  |       | 1.5 SP |       |
|------|------|----------|-------|---------|-------|--------|-------|---------|-------|-------|-------|--------|-------|
| CFM  | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 1149 | 600  | 496      | 0.04  | 568     | 0.07  | 685    | 0.12  | 790     | 0.19  | 893   | 0.25  |        |       |
| 1532 | 800  | 595      | 0.08  | 676     | 0.11  | 780    | 0.18  | 830     | 0.22  | 948   | 0.33  | 1110   | 0.51  |
| 1915 | 1000 | 705      | 0.12  | 773     | 0.17  | 885    | 0.26  | 965     | 0.34  | 1038  | 0.43  | 1170   | 0.61  |
| 2298 | 1200 | 825      | 0.19  | 870     | 0.24  | 995    | 0.35  | 1070    | 0.45  | 1140  | 0.56  | 1260   | 0.77  |
| 2681 | 1400 | 950      | 0.29  | 985     | 0.34  | 1090   | 0.47  | 1180    | 0.59  | 1245  | 0.71  | 1360   | 0.95  |
|      |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 3064 | 1600 | 1075     | 0.41  | 1103    | 0.46  | 1185   | 0.60  | 1280    | 0.76  | 1355  | 0.90  | 1460   | 1.16  |
| 3447 | 1800 | 1200     | 0.57  | 1220    | 0.62  | 1290   | 0.77  | 1370    | 0.93  | 1455  | 1.11  | 1570   | 1.41  |
| 3830 | 2000 | 1340     | 0.79  | 1350    | 0.83  | 1400   | 0.96  | 1470    | 1.14  | 1550  | 1.34  | 1680   | 1.71  |
| 4213 | 2200 | 1465     | 1.02  | 1475    | 1.07  | 1520   | 1.22  | 1575    | 1.40  | 1645  | 1.60  | 1780   | 2.03  |
| 4596 | 2400 | 1590     | 1.29  | 1602    | 1.35  | 1640   | 1.51  | 1685    | 1.69  | 1743  | 1.89  | 1873   | 2.38  |
|      |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 4979 | 2600 | 1715     | 1.62  | 1730    | 1.69  | 1765   | 1.87  | 1806    | 2.05  | 1850  | 2.25  | 1965   | 2.73  |
| 5362 | 2800 | 1845     | 2.02  | 1860    | 2.10  | 1895   | 2.29  | 1925    | 2.46  | 1965  | 2.67  | 2065   | 3.16  |
| 5745 | 3000 | 1975     | 2.47  | 1986    | 2.55  | 2015   | 2.73  | 2050    | 2.95  | 2080  | 3.14  | 2165   | 3.63  |
| 6128 | 3200 | 2105     | 2.98  | 2115    | 3.07  | 2140   | 3.24  | 2170    | 3.47  | 2200  | 3.68  | 2275   | 4.18  |
| 6511 | 3400 | 2235     | 3.56  | 2245    | 3.66  | 2270   | 3.85  | 2295    | 4.06  | 2320  | 4.28  | 2380   | 4.75  |
|      |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 6894 | 3600 | 2365     | 4.23  | 2370    | 4.29  | 2395   | 4.50  | 2420    | 4.76  | 2445  | 4.99  | 2500   | 5.45  |
| 7277 | 3800 | 2495     | 4.94  | 2503    | 5.05  | 2525   | 5.26  | 2545    | 5.49  | 2570  | 5.76  | 2620   | 6.22  |
| 7660 | 4000 | 2625     | 5.75  | 2635    | 5.87  | 2655   | 6.09  | 2675    | 6.32  | 2695  | 6.58  | 2740   | 7.09  |
| 8043 | 4200 | 2755     | 6.64  | 2765    | 6.78  | 2780   | 6.99  | 2800    | 7.21  | 2820  | 7.47  | 2860   | 8.01  |
| 8426 | 4400 | 2885     | 7.63  | 2895    | 7.78  | 2910   | 8.02  | 2930    | 8.24  | 2950  | 8.55  | 2980   | 8.98  |
|      |      |          |       |         |       |        |       |         |       |       |       |        |       |
|      |      | 2 SP     |       | 2.5 SP  |       | 3 SP   |       | 3.5 SP  |       | 4 SP  |       | 4.5 SP |       |
| CFM  | CV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 2298 | 1200 | 1370     | 0.98  | 1475    | 1.23  | 1578   | 1.48  | 1688    | 1.76  |       |       |        |       |
| 2681 | 1400 | 1463     | 1.20  | 1555    | 1.44  | 1648   | 1.71  | 1740    | 2.01  | 1827  | 2.30  | 1920   | 2.62  |
|      |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 3064 | 1600 | 1560     | 1.44  | 1650    | 1.72  | 1735   | 2.00  | 1820    | 2.31  | 1895  | 2.60  | 1975   | 2.94  |
| 3447 | 1800 | 1663     | 1.71  | 1745    | 2.02  | 1830   | 2.34  | 1910    | 2.67  | 1985  | 2.99  | 2050   | 3.30  |
| 3830 | 2000 | 1768     | 2.04  | 1850    | 2.37  | 1930   | 2.72  | 2005    | 3.07  | 2080  | 3.44  | 2145   | 3.78  |
| 4213 | 2200 | 1880     | 2.42  | 1960    | 2.79  | 2030   | 3.14  | 2105    | 3.52  | 2175  | 3.90  | 2240   | 4.29  |
| 4596 | 2400 | 1990     | 2.83  | 2070    | 3.23  | 2140   | 3.63  | 2206    | 4.03  | 2275  | 4.44  | 2340   | 4.86  |
|      |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 4979 | 2600 | 2080     | 3.24  | 2180    | 3.73  | 2250   | 4.15  | 2315    | 4.59  | 2385  | 5.06  | 2440   | 5.55  |
| 5362 | 2800 | 2170     | 3.69  | 2280    | 4.26  | 2360   | 4.74  | 2420    | 5.17  | 2490  | 5.69  | 2545   | 6.13  |
| 5745 | 3000 | 2265     | 4.19  | 2375    | 4.83  | 2465   | 5.38  | 2535    | 5.90  | 2595  | 6.37  | 2650   | 6.87  |
| 6128 | 3200 | 2365     | 4.75  | 2460    | 5.35  | 2560   | 6.03  | 2640    | 6.61  | 2705  | 7.17  | 2765   | 7.69  |
| 6511 | 3400 | 2465     | 5.36  | 2560    | 6.03  | 2650   | 6.69  | 2740    | 7.39  | 2815  | 8.02  | 2875   | 8.61  |
|      |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 6894 | 3600 | 2570     | 6.03  | 2655    | 6.72  | 2740   | 7.41  | 2830    | 8.17  | 2910  | 8.86  | 2980   | 9.51  |
| 7277 | 3800 | 2680     | 6.81  | 2760    | 7.54  | 2840   | 8.23  | 2920    | 8.97  | 3000  | 9.72  | 3080   | 10.50 |
| 7660 | 4000 | 2800     | 7.72  | 2865    | 8.36  | 2940   | 9.11  | 3020    | 9.90  | 3095  | 10.68 | 3170   | 11.47 |
| 8043 | 4200 | 2915     | 8.03  | 2975    | 9.34  | 3040   | 10.05 | 3115    | 10.86 | 3190  | 11.69 | 3255   | 12.43 |
| 8426 | 4400 | 3035     | 9.68  | 3085    | 10.32 | 3145   | 11.09 | 3215    | 11.92 | 3285  | 12.76 | 3345   | 13.51 |
|      |      |          |       |         |       |        |       |         |       |       |       |        |       |
|      |      | 5 SP     |       | 6 SP    |       | 8 SP   |       | 10 SP   |       | 12 SP |       | 14 SP  |       |
| CFM  | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 3447 | 1800 | 2123     | 3.66  | 2265    | 4.43  |        |       |         |       |       |       |        |       |
| 3830 | 2000 | 2210     | 4.13  | 2340    | 4.90  | 2590   | 6.54  | 2848    | 8.41  | 3100  | 10.48 |        |       |
| 4213 | 2200 | 2305     | 4.68  | 2428    | 5.47  | 2655   | 7.16  | 2885    | 9.01  | 3120  | 11.06 | 3353   | 13.55 |
| 4596 | 2400 | 2400     | 5.27  | 2518    | 6.10  | 2735   | 7.83  | 2950    | 9.80  | 3158  | 11.82 | 3373   | 14.03 |
|      |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 4979 | 2600 | 2500     | 5.90  | 2615    | 6.81  | 2825   | 8.62  | 3020    | 10.54 | 3215  | 12.68 | 3410   | 14.86 |
| 5362 | 2800 | 2600     | 6.60  | 2715    | 7.59  | 2920   | 9.52  | 3115    | 11.56 | 3295  | 13.68 | 3470   | 15.92 |
| 5745 | 3000 | 2705     | 7.34  | 2815    | 8.39  | 3020   | 10.49 | 3205    | 12.59 | 3377  | 14.73 | 3550   | 17.11 |
| 6128 | 3200 | 2815     | 8.19  | 2920    | 9.29  | 3118   | 11.50 | 3300    | 13.73 | 3470  | 15.98 | 3635   | 18.37 |
| 6511 | 3400 | 2930     | 9.16  | 3030    | 10.27 | 3223   | 12.60 | 3395    | 14.91 | 3560  | 17.26 | 3725   | 19.77 |
|      |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 6894 | 3600 | 3030     | 10.02 | 3136    | 11.29 | 3320   | 13.73 | 3495    | 16.20 | 3657  | 18.66 | 3810   | 21.15 |
| 7277 | 3800 | 3140     | 11.13 | 3245    | 12.43 | 3426   | 14.92 | 3590    | 17.41 | 3762  | 20.23 | 3907   | 22.77 |
| 7660 | 4000 | 3235     | 12.18 | 3360    | 13.69 | 3537   | 16.34 | 3695    | 18.94 | 3858  | 21.79 | 4005   | 24.37 |
| 8043 | 4200 | 3325     | 13.22 | 3470    | 15.05 | 3650   | 17.73 | 3805    | 20.48 | 3962  | 23.41 | 4100   | 26.15 |
| 8426 | 4400 | 3420     | 14.41 | 3560    | 16.21 | 3760   | 19.32 | 3915    | 22.21 | 4070  | 25.27 | 4205   | 27.98 |

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

# SIZE 200

## SWSI TYPE PBA CENTRIFUGAL FAN

INTAKE AREA = 2.41 S. F. OUTLET AREA = 2.28 S. F. WHEEL DIAMETER = 20"

TIP SPEED FPM = 4.78 x RPM MAX. BHP = .925 ( RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA,  
CLASS III / BOTTOM SHADED AREA, CLASS IV

|       |      | 0.125 SP |       | 0.25 SP |       | 0.5 SP |       | 0.75 SP |       | 1 SP  |       | 1.5 SP |       |
|-------|------|----------|-------|---------|-------|--------|-------|---------|-------|-------|-------|--------|-------|
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 1368  | 600  | 451      | 0.05  | 517     | 0.08  | 623    | 0.15  | 717     | 0.22  | 821   | 0.32  |        |       |
| 1824  | 800  | 538      | 0.09  | 613     | 0.13  | 707    | 0.21  | 788     | 0.30  | 862   | 0.39  | 1008   | 0.59  |
| 2200  | 1000 | 617      | 0.13  | 690     | 0.18  | 785    | 0.28  | 862     | 0.38  | 928   | 0.48  | 1053   | 0.70  |
| 2736  | 1200 | 745      | 0.22  | 792     | 0.28  | 900    | 0.41  | 970     | 0.53  | 1033  | 0.65  | 1143   | 0.90  |
| 3192  | 1400 | 860      | 0.34  | 893     | 0.39  | 987    | 0.55  | 1070    | 0.70  | 1128  | 0.84  | 1233   | 1.12  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 3648  | 1600 | 973      | 0.48  | 998     | 0.54  | 1073   | 0.70  | 1162    | 0.88  | 1226  | 1.05  | 1332   | 1.39  |
| 4104  | 1800 | 1085     | 0.66  | 1110    | 0.75  | 1165   | 0.89  | 1245    | 1.10  | 1320  | 1.30  | 1423   | 1.67  |
| 4560  | 2000 | 1205     | 0.90  | 1223    | 0.97  | 1268   | 1.14  | 1333    | 1.34  | 1405  | 1.58  | 1523   | 2.03  |
| 5016  | 2200 | 1320     | 1.18  | 1338    | 1.25  | 1376   | 1.42  | 1425    | 1.63  | 1490  | 1.88  | 1617   | 2.38  |
| 5472  | 2400 | 1438     | 1.52  | 1450    | 1.60  | 1488   | 1.77  | 1525    | 1.98  | 1580  | 2.22  | 1700   | 2.79  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 5928  | 2600 | 1555     | 1.93  | 1567    | 1.98  | 1600   | 2.19  | 1630    | 2.39  | 1680  | 2.67  | 1783   | 3.23  |
| 6384  | 2800 | 1670     | 2.36  | 1683    | 2.44  | 1710   | 2.64  | 1743    | 2.86  | 1780  | 3.14  | 1870   | 3.71  |
| 6840  | 3000 | 1790     | 2.90  | 1800    | 2.97  | 1825   | 3.18  | 1855    | 3.43  | 1885  | 3.69  | 1970   | 4.31  |
| 7296  | 3200 | 1905     | 3.50  | 1915    | 3.60  | 1940   | 3.82  | 1965    | 4.06  | 1995  | 4.29  | 2060   | 4.92  |
| 7752  | 3400 | 2025     | 4.20  | 2035    | 4.32  | 2055   | 4.52  | 2083    | 4.80  | 2105  | 5.00  | 2160   | 5.62  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 8208  | 3600 | 2145     | 4.99  | 2150    | 5.07  | 2170   | 5.29  | 2190    | 5.52  | 2210  | 5.77  | 2265   | 6.43  |
| 8664  | 3800 | 2260     | 5.83  | 2268    | 5.94  | 2285   | 6.18  | 2305    | 6.41  | 2320  | 6.61  | 2376   | 7.32  |
| 9120  | 4000 | 2375     | 6.77  | 2385    | 6.90  | 2400   | 7.08  | 2420    | 7.39  | 2438  | 7.67  | 2490   | 8.34  |
| 9576  | 4200 | 2495     | 7.78  | 2503    | 7.94  | 2518   | 8.18  | 2535    | 8.34  | 2550  | 8.68  | 2603   | 9.47  |
| 10032 | 4400 | 2615     | 8.95  | 2620    | 9.09  | 2635   | 9.36  | 2650    | 9.57  | 2670  | 9.96  | 2705   | 10.62 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
|       |      | 2 SP     |       | 2.5 SP  |       | 3 SP   |       | 3.5 SP  |       | 4 SP  |       | 4.5 SP |       |
| CFM   | CV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 2736  | 1200 | 1246     | 1.17  | 1342    | 1.46  | 1438   | 1.76  | 1537    | 2.11  |       |       |        |       |
| 3192  | 1400 | 1330     | 1.42  | 1425    | 1.75  | 1498   | 2.03  | 1582    | 2.39  | 1662  | 2.71  | 1746   | 3.09  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 3648  | 1600 | 1415     | 1.69  | 1500    | 2.03  | 1578   | 2.37  | 1653    | 2.72  | 1723  | 3.08  | 1796   | 3.49  |
| 4104  | 1800 | 1510     | 2.04  | 1590    | 2.40  | 1665   | 2.77  | 1735    | 3.15  | 1803  | 3.53  | 1868   | 3.93  |
| 4560  | 2000 | 1605     | 2.41  | 1683    | 2.82  | 1753   | 3.22  | 1822    | 3.63  | 1887  | 4.05  | 1950   | 4.47  |
| 5016  | 2200 | 1705     | 2.82  | 1777    | 3.29  | 1845   | 3.72  | 1912    | 4.18  | 1980  | 4.66  | 2035   | 5.06  |
| 5472  | 2400 | 1805     | 3.34  | 1875    | 3.79  | 1940   | 4.28  | 2005    | 4.75  | 2065  | 5.24  | 2120   | 5.65  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 5928  | 2600 | 1895     | 3.83  | 1975    | 4.38  | 2040   | 4.88  | 2100    | 5.43  | 2158  | 5.92  | 2215   | 6.46  |
| 6384  | 2800 | 1975     | 4.38  | 2070    | 5.00  | 2138   | 5.56  | 2198    | 6.12  | 2255  | 6.68  | 2310   | 7.24  |
| 6840  | 3000 | 2060     | 4.97  | 2153    | 5.63  | 2236   | 6.30  | 2298    | 6.96  | 2355  | 7.52  | 2408   | 8.10  |
| 7296  | 3200 | 2147     | 5.63  | 2235    | 6.34  | 2325   | 7.08  | 2395    | 7.80  | 2453  | 8.45  | 2505   | 9.05  |
| 7752  | 3400 | 2240     | 6.33  | 2320    | 7.10  | 2415   | 7.98  | 2485    | 8.65  | 2550  | 9.42  | 2605   | 10.10 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 8208  | 3600 | 2335     | 7.17  | 2410    | 7.95  | 2490   | 8.78  | 2567    | 9.53  | 2643  | 10.46 | 2703   | 11.23 |
| 8664  | 3800 | 2430     | 8.03  | 2500    | 8.80  | 2580   | 9.77  | 2650    | 10.59 | 2725  | 11.47 | 2797   | 12.40 |
| 9120  | 4000 | 2533     | 9.04  | 2597    | 9.87  | 2665   | 10.73 | 2735    | 11.64 | 2808  | 12.60 | 2880   | 13.54 |
| 9576  | 4200 | 2636     | 10.11 | 2695    | 11.02 | 2760   | 11.85 | 2825    | 12.81 | 2895  | 13.80 | 2958   | 14.70 |
| 10032 | 4400 | 2745     | 11.30 | 2800    | 12.22 | 2853   | 13.08 | 2915    | 14.04 | 2980  | 15.06 | 3045   | 16.06 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
|       |      | 5 SP     |       | 6 SP    |       | 8 SP   |       | 10 SP   |       | 12 SP |       | 14 SP  |       |
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 4104  | 1800 | 1931     | 4.34  | 2057    | 5.22  |        |       |         |       |       |       |        |       |
| 4560  | 2000 | 2010     | 4.90  | 2126    | 5.80  | 2355   | 7.79  |         |       |       |       |        |       |
| 5016  | 2200 | 2093     | 5.53  | 2205    | 6.47  | 2417   | 8.52  | 2625    | 10.70 |       |       |        |       |
| 5472  | 2400 | 2180     | 6.22  | 2290    | 7.24  | 2490   | 9.31  | 2683    | 11.63 | 2875  | 14.06 |        |       |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 5928  | 2600 | 2270     | 6.99  | 2382    | 8.12  | 2570   | 10.24 | 2755    | 12.61 | 2928  | 15.06 | 3106   | 17.73 |
| 6384  | 2800 | 2365     | 7.83  | 2467    | 8.97  | 2655   | 11.29 | 2832    | 13.70 | 2996  | 16.22 | 3160   | 18.96 |
| 6840  | 3000 | 2448     | 8.60  | 2557    | 9.95  | 2743   | 12.40 | 2915    | 14.94 | 3073  | 17.50 | 3228   | 20.29 |
| 7296  | 3200 | 2555     | 9.68  | 2652    | 11.02 | 2832   | 13.57 | 3000    | 16.28 | 3155  | 18.94 | 3305   | 21.77 |
| 7752  | 3400 | 2655     | 10.75 | 2747    | 12.15 | 2923   | 14.89 | 3090    | 17.73 | 3242  | 20.55 | 3383   | 23.35 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 8208  | 3600 | 2755     | 11.90 | 2845    | 13.36 | 3017   | 16.25 | 3178    | 19.17 | 3328  | 22.20 | 3470   | 25.20 |
| 8664  | 3800 | 2853     | 13.19 | 2945    | 14.68 | 3112   | 17.68 | 3268    | 20.81 | 3416  | 23.95 | 3557   | 27.12 |
| 9120  | 4000 | 2943     | 14.39 | 3046    | 16.08 | 3210   | 19.05 | 3360    | 22.45 | 3505  | 25.72 | 3645   | 29.10 |
| 9576  | 4200 | 3025     | 15.66 | 3145    | 17.56 | 3308   | 21.42 | 3455    | 24.22 | 3600  | 27.71 | 3735   | 31.13 |
| 10032 | 4400 | 3108     | 17.05 | 3235    | 19.11 | 3408   | 22.66 | 3550    | 26.28 | 3693  | 29.80 | 3825   | 33.37 |

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

# SIZE 220

## SWSI TYPE PBA CENTRIFUGAL FAN

INTAKE AREA = 3.09 S. F. OUTLET AREA = 2.92 S. F. WHEEL DIAMETER = 22.125"

TIP SPEED FPM = 5.79 x RPM MAX. BHP = 1.532 ( RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

|       |      | 0.125 SP |       | 0.25 SP |       | 0.5 SP |       | 0.75 SP |       | 1 SP  |       | 1.5 SP |       |
|-------|------|----------|-------|---------|-------|--------|-------|---------|-------|-------|-------|--------|-------|
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 1752  | 600  | 420      | 0.07  | 428     | 0.08  | 574    | 0.19  | 655     | 0.28  | 742   | 0.39  |        |       |
| 2336  | 800  | 502      | 0.12  | 572     | 0.18  | 657    | 0.28  | 727     | 0.38  | 792   | 0.50  | 918    | 0.76  |
| 2920  | 1000 | 600      | 0.20  | 653     | 0.26  | 745    | 0.39  | 810     | 0.52  | 870   | 0.66  | 978    | 0.95  |
| 3504  | 1200 | 705      | 0.31  | 740     | 0.38  | 838    | 0.55  | 902     | 0.71  | 955   | 0.86  | 1056   | 1.18  |
| 4088  | 1400 | 797      | 0.44  | 835     | 0.53  | 915    | 0.72  | 996     | 0.93  | 1048  | 1.10  | 1142   | 1.47  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 4672  | 1600 | 920      | 0.67  | 942     | 0.74  | 1000   | 0.94  | 1083    | 1.19  | 1142  | 1.40  | 1230   | 1.80  |
| 5256  | 1800 | 1030     | 0.93  | 1048    | 1.02  | 1093   | 1.21  | 1157    | 1.46  | 1220  | 1.69  | 1323   | 2.19  |
| 5840  | 2000 | 1140     | 1.25  | 1155    | 1.35  | 1195   | 1.56  | 1243    | 1.79  | 1303  | 2.08  | 1416   | 2.67  |
| 6424  | 2200 | 1248     | 1.64  | 1263    | 1.75  | 1298   | 1.96  | 1336    | 2.21  | 1387  | 2.51  | 1500   | 3.15  |
| 7008  | 2400 | 1360     | 2.11  | 1373    | 2.23  | 1402   | 2.45  | 1435    | 2.69  | 1477  | 3.01  | 1582   | 3.72  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 7592  | 2600 | 1470     | 2.66  | 1482    | 2.78  | 1507   | 3.02  | 1536    | 3.28  | 1570  | 3.58  | 1657   | 4.28  |
| 8176  | 2800 | 1580     | 3.28  | 1590    | 3.42  | 1615   | 3.69  | 1640    | 3.96  | 1668  | 4.23  | 1745   | 5.01  |
| 8760  | 3000 | 1693     | 4.00  | 1700    | 4.16  | 1722   | 4.43  | 1747    | 4.74  | 1772  | 5.03  | 1835   | 5.77  |
| 9344  | 3200 | 1800     | 4.83  | 1812    | 4.99  | 1832   | 5.29  | 1852    | 5.60  | 1880  | 5.96  | 1930   | 6.61  |
| 9928  | 3400 | 1915     | 5.79  | 1922    | 5.96  | 1940   | 6.29  | 1960    | 6.45  | 1985  | 6.96  | 2030   | 7.65  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 10512 | 3600 | 2025     | 6.85  | 2033    | 7.04  | 2060   | 7.46  | 2068    | 7.68  | 2090  | 8.06  | 2130   | 8.78  |
| 11096 | 3800 | 2138     | 8.06  | 2145    | 8.26  | 2150   | 8.47  | 2175    | 8.86  | 2196  | 9.34  | 2235   | 10.01 |
| 11680 | 4000 | 2250     | 9.43  | 2255    | 9.60  | 2268   | 9.87  | 2285    | 10.18 | 2305  | 10.72 | 2340   | 11.46 |
| 12264 | 4200 | 2360     | 10.88 | 2367    | 11.09 | 2383   | 11.36 | 2395    | 11.73 | 2410  | 12.15 | 2445   | 13.00 |
| 12848 | 4400 | 2475     | 12.55 | 2483    | 12.80 | 2490   | 12.95 | 2506    | 13.21 | 2530  | 13.95 | 2550   | 14.68 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
|       |      | 2 SP     |       | 2.5 SP  |       | 3 SP   |       | 3.5 SP  |       | 4 SP  |       | 4.5 SP |       |
| CFM   | CV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 3504  | 1200 | 1148     | 1.51  | 1233    | 1.87  | 1312   | 2.24  | 1397    | 2.64  |       |       |        |       |
| 4088  | 1400 | 1226     | 1.84  | 1295    | 2.17  | 1377   | 2.58  | 1448    | 3.03  | 1520  | 3.48  | 1592   | 3.96  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 4672  | 1600 | 1310     | 2.22  | 1388    | 2.66  | 1455   | 3.07  | 1520    | 3.51  | 1585  | 3.97  | 1647   | 4.46  |
| 5256  | 1800 | 1400     | 2.67  | 1472    | 3.14  | 1538   | 3.61  | 1600    | 4.09  | 1660  | 4.57  | 1718   | 5.06  |
| 5840  | 2000 | 1493     | 3.18  | 1560    | 3.69  | 1625   | 4.22  | 1685    | 4.74  | 1743  | 5.28  | 1800   | 5.82  |
| 6424  | 2200 | 1590     | 3.78  | 1653    | 4.44  | 1712   | 4.88  | 1770    | 5.46  | 1827  | 6.03  | 1885   | 6.64  |
| 7008  | 2400 | 1680     | 4.44  | 1748    | 5.06  | 1805   | 5.64  | 1862    | 6.28  | 1915  | 6.89  | 1968   | 7.53  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 7592  | 2600 | 1757     | 5.08  | 1843    | 5.87  | 1900   | 6.50  | 1955    | 7.16  | 2005  | 7.81  | 2056   | 8.49  |
| 8176  | 2800 | 1835     | 5.81  | 1920    | 6.60  | 1995   | 7.47  | 2048    | 8.14  | 2100  | 8.84  | 2147   | 9.56  |
| 8760  | 3000 | 1916     | 6.61  | 2000    | 7.50  | 2078   | 8.37  | 2140    | 9.22  | 2193  | 9.99  | 2240   | 10.73 |
| 9344  | 3200 | 2003     | 7.53  | 2078    | 8.44  | 2160   | 9.45  | 2230    | 10.35 | 2288  | 11.26 | 2335   | 12.06 |
| 9928  | 3400 | 2095     | 8.58  | 2162    | 9.50  | 2235   | 10.50 | 2308    | 11.47 | 2375  | 12.50 | 2430   | 13.49 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 10512 | 3600 | 2186     | 9.67  | 2250    | 10.68 | 2315   | 11.67 | 2385    | 12.74 | 2455  | 13.81 | 2516   | 14.86 |
| 11096 | 3800 | 2282     | 10.92 | 2337    | 11.91 | 2400   | 12.98 | 2460    | 14.00 | 2530  | 15.18 | 2597   | 16.34 |
| 11680 | 4000 | 2385     | 12.37 | 2430    | 13.29 | 2488   | 14.37 | 2550    | 15.59 | 2610  | 16.72 | 2670   | 17.84 |
| 12264 | 4200 | 2485     | 13.88 | 2525    | 14.81 | 2580   | 16.03 | 2635    | 17.15 | 2695  | 18.41 | 2750   | 19.56 |
| 12848 | 4400 | 2590     | 15.58 | 2625    | 16.49 | 2670   | 17.62 | 2723    | 18.84 | 2778  | 20.10 | 2835   | 21.43 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
|       |      | 5 SP     |       | 6 SP    |       | 8 SP   |       | 10 SP   |       | 12 SP |       | 14 SP  |       |
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 5256  | 1800 | 1775     | 5.59  | 1888    | 6.72  | 2110   | 9.11  |         |       |       |       |        |       |
| 5840  | 2000 | 1853     | 6.35  | 1957    | 7.49  | 2155   | 9.92  | 2355    | 12.66 |       |       |        |       |
| 6424  | 2200 | 1933     | 7.21  | 2033    | 8.39  | 2217   | 10.88 | 2396    | 13.63 | 2582  | 16.56 |        |       |
| 7008  | 2400 | 2017     | 8.13  | 2115    | 9.44  | 2293   | 12.04 | 2462    | 14.90 | 2622  | 17.73 | 2793   | 21.12 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 7592  | 2600 | 2105     | 9.18  | 2200    | 10.55 | 2370   | 13.29 | 2530    | 16.18 | 2690  | 19.43 | 2838   | 22.65 |
| 8176  | 2800 | 2195     | 10.33 | 2285    | 11.74 | 2455   | 14.76 | 2608    | 17.71 | 2753  | 20.84 | 2895   | 24.22 |
| 8760  | 3000 | 2285     | 11.53 | 2373    | 13.05 | 2538   | 16.20 | 2690    | 19.43 | 2832  | 22.67 | 2970   | 26.15 |
| 9344  | 3200 | 2378     | 12.84 | 2462    | 14.47 | 2623   | 17.81 | 2773    | 21.22 | 2910  | 24.60 | 3043   | 28.15 |
| 9928  | 3400 | 2475     | 14.37 | 2555    | 15.97 | 2710   | 19.56 | 2857    | 23.11 | 2995  | 26.80 | 3123   | 30.41 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 10512 | 3600 | 2568     | 15.93 | 2650    | 17.63 | 2800   | 21.34 | 2943    | 25.08 | 3076  | 28.88 | 3205   | 32.85 |
| 11096 | 3800 | 2655     | 17.46 | 2745    | 19.53 | 2895   | 24.01 | 3028    | 27.23 | 3162  | 31.29 | 3286   | 35.28 |
| 11680 | 4000 | 2735     | 19.09 | 2838    | 21.48 | 2985   | 25.97 | 3120    | 29.53 | 3247  | 33.68 | 3370   | 37.93 |
| 12264 | 4200 | 2810     | 20.80 | 2923    | 23.30 | 3080   | 28.41 | 3210    | 31.97 | 3335  | 36.28 | 3457   | 40.88 |
| 12848 | 4400 | 2890     | 22.70 | 3000    | 25.20 | 3175   | 30.15 | 3305    | 34.58 | 3425  | 39.01 | 3540   | 43.64 |

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

# SIZE 240

## SWSI TYPE PBA CENTRIFUGAL FAN

INTAKE AREA = 3.35 S. F. OUTLET AREA = 3.56 S. F. WHEEL DIAMETER = 24.375"

TIP SPEED FPM = 6.38 x RPM MAX. BHP = 2.48 ( RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA,  
CLASS III / BOTTOM SHADED AREA, CLASS IV

|       |      | 0.125 SP |       | 0.25 SP |       | 0.5 SP |       | 0.75 SP |       | 1 SP  |       | 1.5 SP |       |
|-------|------|----------|-------|---------|-------|--------|-------|---------|-------|-------|-------|--------|-------|
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 2136  | 600  | 383      | 0.09  | 436     | 0.13  | 522    | 0.23  | 597     | 0.34  |       |       |        |       |
| 2848  | 800  | 457      | 0.15  | 520     | 0.22  | 598    | 0.34  | 662     | 0.47  | 720   | 0.61  | 833    | 0.92  |
| 3560  | 1000 | 545      | 0.24  | 596     | 0.32  | 680    | 0.49  | 740     | 0.65  | 793   | 0.81  | 890    | 1.10  |
| 4272  | 1200 | 640      | 0.38  | 673     | 0.46  | 765    | 0.68  | 823     | 0.87  | 873   | 1.06  | 963    | 1.44  |
| 4984  | 1400 | 738      | 0.57  | 765     | 0.66  | 838    | 0.97  | 912     | 1.16  | 956   | 1.36  | 1040   | 1.80  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 5696  | 1600 | 838      | 0.83  | 860     | 0.93  | 913    | 1.16  | 985     | 1.45  | 1043  | 1.88  | 1123   | 2.23  |
| 6408  | 1800 | 938      | 1.15  | 955     | 1.25  | 997    | 1.49  | 1055    | 1.79  | 1120  | 2.14  | 1207   | 2.73  |
| 7120  | 2000 | 1037     | 1.53  | 1055    | 1.66  | 1095   | 1.95  | 1133    | 2.21  | 1188  | 2.54  | 1293   | 3.30  |
| 7832  | 2200 | 1140     | 2.04  | 1150    | 2.14  | 1184   | 2.46  | 1218    | 2.72  | 1265  | 3.08  | 1368   | 3.87  |
| 8544  | 2400 | 1240     | 2.61  | 1263    | 2.75  | 1280   | 3.03  | 1308    | 3.36  | 1345  | 3.68  | 1438   | 4.54  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 7592  | 2600 | 1340     | 3.28  | 1353    | 3.44  | 1376   | 3.72  | 1403    | 4.08  | 1433  | 4.42  | 1512   | 5.28  |
| 9256  | 2800 | 1443     | 4.09  | 1455    | 4.27  | 1475   | 4.53  | 1500    | 4.94  | 1525  | 5.30  | 1590   | 6.12  |
| 9968  | 3000 | 1545     | 5.01  | 1555    | 5.21  | 1575   | 5.52  | 1597    | 5.89  | 1618  | 6.22  | 1675   | 7.11  |
| 10680 | 3200 | 1645     | 6.04  | 1655    | 6.27  | 1673   | 6.54  | 1693    | 6.93  | 1714  | 7.37  | 1762   | 8.22  |
| 11392 | 3400 | 1745     | 7.21  | 1755    | 7.39  | 1773   | 7.57  | 1790    | 8.19  | 1810  | 8.58  | 1850   | 9.41  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 12816 | 3600 | 1850     | 8.56  | 1857    | 8.76  | 1872   | 9.12  | 1890    | 9.59  | 1906  | 10.01 | 1945   | 10.84 |
| 13528 | 3800 | 1950     | 10.03 | 1958    | 10.21 | 1972   | 10.65 | 1987    | 11.00 | 2005  | 11.51 | 2040   | 12.44 |
| 14240 | 4000 | 2053     | 11.70 | 2060    | 11.89 | 2072   | 12.33 | 2087    | 12.70 | 2103  | 13.24 | 2137   | 14.30 |
| 14952 | 4200 | 2155     | 13.53 | 2162    | 13.74 | 2173   | 14.18 | 2186    | 14.56 | 2203  | 15.06 | 2235   | 16.15 |
| 15664 | 4400 | 2258     | 15.57 | 2263    | 15.76 | 2273   | 16.15 | 2286    | 16.60 | 2310  | 17.37 | 2331   | 18.27 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
|       |      | 2 SP     |       | 2.5 SP  |       | 3 SP   |       | 3.5 SP  |       | 4 SP  |       | 4.5 SP |       |
| CFM   | CV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 4272  | 1200 | 1045     | 1.84  | 1118    | 2.27  | 1193   | 2.74  |         |       |       |       |        |       |
| 4984  | 1400 | 1115     | 2.24  | 1188    | 2.71  | 1252   | 3.18  | 1317    | 3.71  | 1381  | 4.25  | 1445   | 4.82  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 5696  | 1600 | 1195     | 2.74  | 1263    | 3.25  | 1324   | 3.75  | 1383    | 4.30  | 1440  | 4.86  | 1496   | 5.42  |
| 6408  | 1800 | 1275     | 3.27  | 1340    | 3.84  | 1400   | 4.43  | 1458    | 5.01  | 1512  | 5.60  | 1564   | 6.19  |
| 7120  | 2000 | 1358     | 3.90  | 1423    | 4.55  | 1478   | 5.18  | 1533    | 5.82  | 1586  | 6.44  | 1636   | 7.07  |
| 7832  | 2200 | 1448     | 4.66  | 1506    | 5.34  | 1560   | 6.00  | 1612    | 6.69  | 1663  | 7.41  | 1713   | 8.12  |
| 8544  | 2400 | 1530     | 5.45  | 1593    | 6.23  | 1645   | 6.96  | 1693    | 7.66  | 1743  | 8.45  | 1790   | 9.20  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 7592  | 2600 | 1600     | 6.23  | 1678    | 7.24  | 1730   | 7.97  | 1780    | 8.79  | 1825  | 9.59  | 1871   | 10.46 |
| 9256  | 2800 | 1670     | 7.10  | 1753    | 8.20  | 1818   | 9.16  | 1867    | 10.03 | 1910  | 10.86 | 1955   | 11.79 |
| 9968  | 3000 | 1745     | 8.10  | 1822    | 9.20  | 1895   | 10.35 | 1951    | 11.33 | 1998  | 12.28 | 2040   | 13.24 |
| 10680 | 3200 | 1824     | 9.23  | 1893    | 10.35 | 1965   | 11.57 | 2032    | 12.76 | 2085  | 13.86 | 2126   | 14.80 |
| 11392 | 3400 | 1905     | 10.49 | 1968    | 11.63 | 2034   | 12.82 | 2103    | 14.15 | 2163  | 15.40 | 2213   | 16.57 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 12816 | 3600 | 1993     | 11.95 | 2047    | 13.08 | 2108   | 14.29 | 2173    | 15.65 | 2235  | 16.99 | 2294   | 18.37 |
| 13528 | 3800 | 2080     | 13.52 | 2130    | 14.63 | 2188   | 15.98 | 2245    | 17.30 | 2305  | 18.68 | 2363   | 20.07 |
| 14240 | 4000 | 2170     | 15.16 | 2215    | 16.41 | 2265   | 17.68 | 2320    | 19.09 | 2375  | 20.43 | 2435   | 22.02 |
| 14952 | 4200 | 2265     | 17.11 | 2305    | 18.40 | 2350   | 19.65 | 2403    | 21.16 | 2450  | 22.48 | 2505   | 23.97 |
| 15664 | 4400 | 2360     | 19.26 | 2395    | 20.64 | 2435   | 21.75 | 2480    | 23.21 | 2530  | 24.76 | 2580   | 26.26 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
|       |      | 5 SP     |       | 6 SP    |       | 8 SP   |       | 10 SP   |       | 12 SP |       | 14 SP  |       |
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 6408  | 1800 | 1614     | 6.82  | 1715    | 8.19  | 1915   | 11.08 |         |       |       |       |        |       |
| 7120  | 2000 | 1685     | 7.76  | 1780    | 9.15  | 1958   | 12.13 | 2140    | 15.46 |       |       |        |       |
| 7832  | 2200 | 1758     | 8.78  | 1850    | 10.25 | 2018   | 13.34 | 2178    | 16.61 | 2345  | 20.35 |        |       |
| 8544  | 2400 | 1836     | 10.00 | 1923    | 11.49 | 2086   | 14.73 | 2237    | 18.17 | 2385  | 21.86 | 2536   | 25.73 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 7592  | 2600 | 1915     | 11.26 | 2000    | 12.92 | 2158   | 16.31 | 2302    | 19.80 | 2442  | 23.63 | 2578   | 27.61 |
| 9256  | 2800 | 1997     | 12.69 | 2080    | 14.37 | 2233   | 17.99 | 2373    | 21.69 | 2505  | 25.51 | 2633   | 29.62 |
| 9968  | 3000 | 2080     | 14.10 | 2160    | 16.05 | 2310   | 19.91 | 2446    | 23.64 | 2575  | 27.71 | 2698   | 31.87 |
| 10680 | 3200 | 2167     | 15.75 | 2243    | 17.80 | 2387   | 21.82 | 2523    | 25.94 | 2648  | 30.06 | 2737   | 33.27 |
| 11392 | 3400 | 2253     | 17.61 | 2328    | 19.72 | 2467   | 23.97 | 2598    | 28.26 | 2723  | 32.61 | 2840   | 37.17 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 12816 | 3600 | 2343     | 19.67 | 2415    | 21.75 | 2550   | 26.22 | 2678    | 30.81 | 2800  | 35.46 | 2915   | 40.10 |
| 13528 | 3800 | 2418     | 21.51 | 2502    | 24.01 | 2633   | 28.59 | 2758    | 33.41 | 2877  | 38.38 | 2990   | 43.18 |
| 14240 | 4000 | 2490     | 23.49 | 2585    | 26.35 | 2718   | 31.30 | 2840    | 36.23 | 2955  | 41.39 | 3065   | 46.47 |
| 14952 | 4200 | 2558     | 25.48 | 2662    | 28.70 | 2805   | 34.07 | 2950    | 40.31 | 3035  | 44.74 | 3145   | 50.01 |
| 15664 | 4400 | 2630     | 27.75 | 2735    | 31.20 | 2893   | 37.11 | 3010    | 42.72 | 3120  | 48.49 | 3226   | 53.73 |

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

# SIZE 270

## SWSI TYPE PBA CENTRIFUGAL FAN

INTAKE AREA = 4.12 S. F. OUTLET AREA = 4.255 S. F. WHEEL DIAMETER = 27"

TIP SPEED FPM = 7.069 x RPM MAX. BHP = 4.14 ( RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

|       |      | 0.125 SP |       | 0.25 SP |       | 0.5 SP |       | 0.75 SP |       | 1 SP  |       | 1.5 SP |       |
|-------|------|----------|-------|---------|-------|--------|-------|---------|-------|-------|-------|--------|-------|
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 2550  | 600  | 338      | 0.10  | 386     | 0.15  | 465    | 0.27  | 534     | 0.40  |       |       |        |       |
| 3400  | 800  | 403      | 0.17  | 460     | 0.24  | 530    | 0.40  | 590     | 0.55  | 644   | 0.72  |        |       |
| 4250  | 1000 | 480      | 0.28  | 527     | 0.37  | 605    | 0.58  | 658     | 0.76  | 706   | 0.95  | 793    | 1.35  |
| 5100  | 1200 | 565      | 0.44  | 595     | 0.53  | 678    | 0.79  | 728     | 1.01  | 775   | 1.23  | 857    | 1.70  |
| 5950  | 1400 | 650      | 0.65  | 673     | 0.76  | 743    | 1.04  | 806     | 1.33  | 848   | 1.59  | 925    | 2.11  |
| 6800  | 1600 | 736      | 0.94  | 757     | 1.06  | 805    | 1.33  | 875     | 1.69  | 924   | 2.01  | 997    | 2.60  |
| 7650  | 1800 | 825      | 1.30  | 843     | 1.43  | 882    | 1.72  | 936     | 2.09  | 995   | 2.49  | 1070   | 3.16  |
| 8500  | 2000 | 910      | 1.73  | 928     | 1.88  | 962    | 2.23  | 1003    | 2.56  | 1053  | 2.98  | 1147   | 3.85  |
| 9350  | 2200 | 1000     | 2.30  | 1015    | 2.45  | 1043   | 2.78  | 1073    | 3.09  | 1120  | 3.44  | 1218   | 4.57  |
| 10200 | 2400 | 1090     | 2.93  | 1103    | 3.12  | 1123   | 3.45  | 1155    | 3.84  | 1192  | 4.28  | 1276   | 5.29  |
| 11050 | 2600 | 1178     | 3.69  | 1190    | 3.90  | 1215   | 4.26  | 1238    | 4.67  | 1266  | 5.09  | 1340   | 6.14  |
| 11900 | 2800 | 1267     | 4.59  | 1277    | 4.79  | 1300   | 5.22  | 1321    | 5.65  | 1346  | 6.09  | 1408   | 6.85  |
| 12750 | 3000 | 1356     | 5.63  | 1365    | 5.84  | 1386   | 6.24  | 1406    | 6.67  | 1426  | 7.10  | 1480   | 8.17  |
| 13600 | 3200 | 1445     | 6.81  | 1455    | 7.07  | 1473   | 7.49  | 1491    | 7.89  | 1511  | 8.43  | 1556   | 9.44  |
| 14450 | 3400 | 1535     | 8.17  | 1543    | 8.34  | 1550   | 8.62  | 1576    | 9.30  | 1595  | 9.82  | 1635   | 10.93 |
| 15300 | 3600 | 1624     | 9.64  | 1633    | 9.89  | 1646   | 10.30 | 1663    | 10.81 | 1680  | 11.33 | 1715   | 12.38 |
| 16150 | 3800 | 1715     | 11.35 | 1721    | 11.52 | 1735   | 12.01 | 1750    | 12.59 | 1765  | 13.03 | 1798   | 14.24 |
| 17000 | 4000 | 1803     | 13.19 | 1810    | 13.40 | 1823   | 13.90 | 1837    | 14.44 | 1851  | 14.97 | 1882   | 16.26 |
| 17850 | 4200 | 1893     | 15.26 | 1900    | 15.50 | 1911   | 15.98 | 1925    | 16.51 | 1937  | 17.04 | 1965   | 18.29 |
| 18700 | 4400 | 1983     | 17.54 | 1988    | 17.76 | 2000   | 18.28 | 2012    | 18.77 | 2025  | 19.35 | 2050   | 20.59 |
|       |      | 2 SP     |       | 2.5 SP  |       | 3 SP   |       | 3.5 SP  |       | 4 SP  |       | 4.5 SP |       |
| CFM   | CV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 5100  | 1200 | 930      | 2.18  | 1000    | 2.70  | 1070   | 3.26  |         |       |       |       |        |       |
| 5950  | 1400 | 994      | 2.65  | 1053    | 3.15  | 1120   | 3.79  | 1180    | 4.44  | 1237  | 5.05  | 1296   | 5.77  |
| 6800  | 1600 | 1063     | 3.21  | 1123    | 3.82  | 1182   | 4.46  | 1235    | 5.09  | 1287  | 5.76  | 1340   | 6.50  |
| 7650  | 1800 | 1132     | 3.84  | 1191    | 4.51  | 1246   | 5.21  | 1298    | 5.90  | 1348  | 6.61  | 1396   | 7.35  |
| 8500  | 2000 | 1207     | 4.57  | 1261    | 5.31  | 1314   | 6.06  | 1365    | 6.83  | 1413  | 7.61  | 1458   | 8.37  |
| 9350  | 2200 | 1283     | 5.40  | 1335    | 6.20  | 1386   | 7.04  | 1433    | 7.82  | 1481  | 8.69  | 1525   | 9.54  |
| 10200 | 2400 | 1357     | 6.32  | 1410    | 7.20  | 1458   | 8.06  | 1507    | 9.02  | 1550  | 9.87  | 1594   | 10.81 |
| 11050 | 2600 | 1423     | 7.29  | 1488    | 8.38  | 1534   | 9.24  | 1580    | 10.26 | 1622  | 11.24 | 1663   | 12.19 |
| 11900 | 2800 | 1484     | 8.33  | 1558    | 9.57  | 1610   | 10.64 | 1654    | 11.58 | 1695  | 12.66 | 1736   | 13.76 |
| 12750 | 3000 | 1548     | 9.46  | 1625    | 10.88 | 1683   | 12.06 | 1725    | 13.09 | 1771  | 14.28 | 1808   | 15.31 |
| 13600 | 3200 | 1615     | 10.72 | 1682    | 12.13 | 1747   | 13.46 | 1805    | 14.88 | 1847  | 16.07 | 1886   | 17.24 |
| 14450 | 3400 | 1685     | 12.08 | 1745    | 13.55 | 1808   | 14.53 | 1868    | 16.49 | 1922  | 17.96 | 1962   | 19.18 |
| 15300 | 3600 | 1760     | 13.74 | 1814    | 15.16 | 1870   | 16.67 | 1930    | 18.26 | 1990  | 19.90 | 2035   | 21.32 |
| 16150 | 3800 | 1836     | 15.47 | 1883    | 16.89 | 1936   | 18.49 | 1992    | 20.16 | 2052  | 21.86 | 2104   | 23.52 |
| 17000 | 4000 | 1916     | 17.55 | 1958    | 18.92 | 2006   | 20.50 | 2057    | 22.19 | 2110  | 23.93 | 2163   | 25.60 |
| 17850 | 4200 | 1997     | 19.59 | 2034    | 21.04 | 2078   | 22.70 | 2125    | 24.37 | 2174  | 26.20 | 2225   | 28.07 |
| 18700 | 4400 | 2080     | 22.05 | 2114    | 23.48 | 2151   | 25.08 | 2195    | 26.78 | 2243  | 28.19 | 2290   | 30.62 |
|       |      | 5 SP     |       | 6 SP    |       | 8 SP   |       | 10 SP   |       | 12 SP |       | 14 SP  |       |
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 7650  | 1800 | 1443     | 8.11  | 1535    | 9.73  |        |       |         |       |       |       |        |       |
| 8500  | 2000 | 1503     | 9.17  | 1588    | 10.81 | 1753   | 14.41 | 1923    | 18.56 |       |       |        |       |
| 9350  | 2200 | 1565     | 10.35 | 1650    | 12.13 | 1803   | 15.83 | 1955    | 19.99 | 2110  | 24.61 |        |       |
| 10200 | 2400 | 1635     | 11.71 | 1714    | 13.60 | 1863   | 17.46 | 2000    | 21.58 | 2140  | 26.07 | 2280   | 31.05 |
| 11050 | 2600 | 1705     | 13.22 | 1782    | 15.17 | 1923   | 19.20 | 2057    | 23.50 | 2185  | 28.17 | 2314   | 33.14 |
| 11900 | 2800 | 1774     | 14.79 | 1860    | 17.18 | 1988   | 21.21 | 2117    | 25.62 | 2240  | 30.35 | 2358   | 35.40 |
| 12750 | 3000 | 1848     | 16.54 | 1920    | 18.76 | 2055   | 23.30 | 2183    | 28.09 | 2298  | 32.77 | 2413   | 37.93 |
| 13600 | 3200 | 1922     | 18.42 | 1992    | 20.79 | 2123   | 25.55 | 2248    | 30.62 | 2362  | 35.58 | 2471   | 40.74 |
| 14450 | 3400 | 1998     | 20.46 | 2070    | 23.06 | 2190   | 27.83 | 2314    | 33.27 | 2427  | 38.60 | 2535   | 43.98 |
| 15300 | 3600 | 2073     | 22.70 | 2140    | 25.24 | 2266   | 30.76 | 2383    | 36.13 | 2493  | 41.68 | 2598   | 47.35 |
| 16150 | 3800 | 2147     | 25.04 | 2216    | 27.75 | 2338   | 33.42 | 2453    | 39.11 | 2561  | 44.85 | 2664   | 51.01 |
| 17000 | 4000 | 2215     | 27.44 | 2294    | 30.72 | 2412   | 36.41 | 2522    | 42.35 | 2630  | 48.57 | 2730   | 54.53 |
| 17850 | 4200 | 2280     | 30.10 | 2365    | 33.47 | 2488   | 39.66 | 2596    | 45.84 | 2700  | 52.16 | 2798   | 58.49 |
| 18700 | 4400 | 2340     | 32.67 | 2433    | 36.37 | 2565   | 43.12 | 2671    | 49.54 | 2770  | 56.22 | 2865   | 62.55 |

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

# SIZE 300

## SWSI TYPE PBA CENTRIFUGAL FAN

INTAKE AREA = 5.41 S. F. OUTLET AREA = 5.15 S. F. WHEEL DIAMETER = 30"

TIP SPEED FPM = 7.840 x RPM MAX. BHP = 7.24 ( RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA,  
CLASS III / BOTTOM SHADED AREA, CLASS IV

|       |      | 0.125 SP |       | 0.25 SP |       | 0.5 SP |       | 0.75 SP |       | 1 SP  |       | 1.5 SP |       |
|-------|------|----------|-------|---------|-------|--------|-------|---------|-------|-------|-------|--------|-------|
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 3090  | 600  | 301      | 0.12  | 345     | 0.19  | 415    | 0.33  | 479     | 0.50  |       |       |        |       |
| 4120  | 800  | 357      | 0.20  | 410     | 0.30  | 473    | 0.48  | 527     | 0.66  | 576   | 0.87  |        |       |
| 5150  | 1000 | 424      | 0.32  | 468     | 0.44  | 537    | 0.69  | 586     | 0.91  | 630   | 1.15  | 710    | 1.63  |
| 6180  | 1200 | 500      | 0.51  | 528     | 0.63  | 602    | 0.94  | 649     | 1.22  | 691   | 1.49  | 765    | 2.05  |
| 7210  | 1400 | 577      | 0.77  | 595     | 0.90  | 660    | 1.24  | 717     | 1.67  | 755   | 1.90  | 824    | 2.53  |
| 8240  | 1600 | 653      | 1.11  | 671     | 1.24  | 718    | 1.60  | 778     | 2.02  | 823   | 2.43  | 887    | 3.14  |
| 9270  | 1800 | 730      | 1.54  | 745     | 1.67  | 782    | 2.04  | 830     | 2.47  | 872   | 2.84  | 953    | 3.80  |
| 10300 | 2000 | 808      | 2.06  | 820     | 2.21  | 851    | 2.60  | 893     | 3.07  | 940   | 3.57  | 1020   | 4.60  |
| 11330 | 2200 | 886      | 2.69  | 897     | 2.87  | 925    | 3.31  | 955     | 3.72  | 997   | 4.28  | 1083   | 5.44  |
| 12360 | 2400 | 964      | 3.45  | 975     | 3.67  | 1002   | 4.14  | 1025    | 4.55  | 1058  | 5.12  | 1138   | 6.32  |
| 13390 | 2600 | 1043     | 4.36  | 1053    | 4.60  | 1075   | 5.03  | 1097    | 5.51  | 1124  | 6.14  | 1193   | 7.34  |
| 14420 | 2800 | 1122     | 5.43  | 1130    | 5.64  | 1150   | 6.09  | 1171    | 6.61  | 1194  | 7.23  | 1252   | 8.48  |
| 15450 | 3000 | 1202     | 6.67  | 1210    | 6.90  | 1226   | 7.33  | 1245    | 7.94  | 1266  | 8.49  | 1313   | 9.72  |
| 16480 | 3200 | 1275     | 7.96  | 1287    | 8.27  | 1303   | 8.80  | 1321    | 9.33  | 1338  | 9.86  | 1380   | 11.21 |
| 17510 | 3400 | 1358     | 9.61  | 1365    | 9.82  | 1381   | 10.41 | 1397    | 11.01 | 1414  | 11.63 | 1450   | 12.92 |
| 18540 | 3600 | 1437     | 11.39 | 1443    | 11.54 | 1457   | 12.22 | 1472    | 12.69 | 1488  | 13.38 | 1521   | 14.77 |
| 19570 | 3800 | 1516     | 13.37 | 1522    | 13.54 | 1533   | 14.08 | 1550    | 14.81 | 1563  | 15.45 | 1595   | 16.78 |
| 20600 | 4000 | 1595     | 15.57 | 1601    | 15.76 | 1612   | 16.38 | 1621    | 16.94 | 1640  | 17.73 | 1668   | 19.10 |
| 21630 | 4200 | 1673     | 17.97 | 1678    | 18.15 | 1692   | 18.87 | 1703    | 19.58 | 1715  | 20.14 | 1743   | 21.79 |
| 22660 | 4400 | 1753     | 20.68 | 1757    | 20.83 | 1770   | 21.49 | 1781    | 22.32 | 1793  | 22.93 | 1817   | 24.36 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
|       |      | 2 SP     |       | 2.5 SP  |       | 3 SP   |       | 3.5 SP  |       | 4 SP  |       | 4.5 SP |       |
| CFM   | CV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 6180  | 1200 | 832      | 2.63  | 896     | 3.27  | 958    | 3.99  |         |       |       |       |        |       |
| 7210  | 1400 | 887      | 3.20  | 945     | 3.87  | 1002   | 4.58  | 1054    | 5.32  | 1109  | 6.20  |        |       |
| 8240  | 1600 | 947      | 3.86  | 1003    | 4.62  | 1054   | 5.38  | 1106    | 6.20  | 1152  | 6.97  | 1200   | 7.85  |
| 9270  | 1800 | 1008     | 4.63  | 1061    | 5.41  | 1112   | 6.28  | 1158    | 7.14  | 1206  | 8.06  | 1248   | 8.93  |
| 10300 | 2000 | 1074     | 5.45  | 1123    | 6.41  | 1170   | 7.25  | 1218    | 8.22  | 1262  | 9.21  | 1305   | 10.21 |
| 11330 | 2200 | 1140     | 6.49  | 1188    | 7.44  | 1234   | 8.50  | 1277    | 9.43  | 1321  | 10.48 | 1360   | 11.49 |
| 12360 | 2400 | 1208     | 7.62  | 1255    | 8.68  | 1298   | 9.72  | 1340    | 10.86 | 1381  | 11.92 | 1420   | 12.98 |
| 13390 | 2600 | 1268     | 8.73  | 1323    | 10.09 | 1364   | 11.14 | 1406    | 12.37 | 1443  | 13.54 | 1481   | 14.70 |
| 14420 | 2800 | 1320     | 9.91  | 1380    | 11.28 | 1430   | 12.68 | 1470    | 13.94 | 1508  | 15.15 | 1545   | 16.47 |
| 15450 | 3000 | 1380     | 11.36 | 1443    | 12.90 | 1498   | 14.43 | 1538    | 15.89 | 1575  | 17.15 | 1610   | 18.46 |
| 16480 | 3200 | 1435     | 12.77 | 1493    | 14.33 | 1557   | 16.13 | 1607    | 17.90 | 1643  | 19.38 | 1678   | 20.74 |
| 17510 | 3400 | 1498     | 14.43 | 1552    | 16.15 | 1610   | 17.98 | 1666    | 19.82 | 1710  | 21.54 | 1744   | 23.14 |
| 18540 | 3600 | 1562     | 16.23 | 1612    | 18.01 | 1663   | 19.87 | 1720    | 21.88 | 1772  | 23.89 | 1811   | 25.66 |
| 19570 | 3800 | 1630     | 18.42 | 1675    | 20.18 | 1722   | 22.06 | 1772    | 24.04 | 1821  | 25.84 | 1874   | 28.17 |
| 20600 | 4000 | 1700     | 20.79 | 1738    | 22.43 | 1783   | 24.41 | 1828    | 26.39 | 1883  | 28.85 | 1928   | 30.72 |
| 21630 | 4200 | 1773     | 23.28 | 1805    | 25.05 | 1845   | 26.97 | 1888    | 29.08 | 1934  | 31.26 | 1980   | 33.43 |
| 22660 | 4400 | 1844     | 25.98 | 1875    | 27.99 | 1910   | 29.68 | 1951    | 31.94 | 1993  | 34.21 | 2032   | 36.25 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
|       |      | 5 SP     |       | 6 SP    |       | 8 SP   |       | 10 SP   |       | 12 SP |       | 14 SP  |       |
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 9270  | 1800 | 1288     | 9.76  | 1372    | 11.73 |        |       |         |       |       |       |        |       |
| 10300 | 2000 | 1342     | 11.11 | 1420    | 13.16 | 1572   | 17.64 |         |       |       |       |        |       |
| 11330 | 2200 | 1398     | 12.56 | 1473    | 14.69 | 1613   | 19.11 | 1751    | 24.38 |       |       |        |       |
| 12360 | 2400 | 1458     | 14.09 | 1530    | 16.46 | 1665   | 21.18 | 1791    | 26.16 | 1917  | 32.03 |        |       |
| 13390 | 2600 | 1518     | 15.83 | 1588    | 18.29 | 1718   | 23.30 | 1838    | 28.45 | 1955  | 33.98 | 2071   | 40.33 |
| 14420 | 2800 | 1580     | 17.84 | 1647    | 20.25 | 1775   | 25.70 | 1892    | 31.12 | 2001  | 36.71 | 2110   | 42.72 |
| 15450 | 3000 | 1644     | 19.87 | 1710    | 22.63 | 1833   | 28.17 | 1948    | 33.97 | 2054  | 39.82 | 2158   | 45.91 |
| 16480 | 3200 | 1710     | 22.01 | 1773    | 25.12 | 1894   | 30.80 | 2006    | 37.09 | 2108  | 43.05 | 2208   | 49.32 |
| 17510 | 3400 | 1776     | 24.59 | 1840    | 27.69 | 1955   | 33.82 | 2063    | 39.99 | 2166  | 46.70 | 2263   | 53.26 |
| 18540 | 3600 | 1843     | 27.35 | 1905    | 30.35 | 2018   | 37.14 | 2125    | 43.50 | 2224  | 50.40 | 2320   | 57.38 |
| 19570 | 3800 | 1911     | 30.11 | 1972    | 33.64 | 2081   | 40.18 | 2183    | 47.09 | 2283  | 54.11 | 2377   | 61.53 |
| 20600 | 4000 | 1973     | 32.93 | 2038    | 36.75 | 2147   | 43.71 | 2248    | 51.35 | 2344  | 58.30 | 2435   | 65.85 |
| 21630 | 4200 | 2028     | 35.87 | 2105    | 40.30 | 2214   | 47.04 | 2311    | 55.11 | 2406  | 63.05 | 2495   | 70.52 |
| 22660 | 4400 | 2082     | 38.75 | 2164    | 43.51 | 2280   | 52.03 | 2376    | 59.62 | 2467  | 67.86 | 2556   | 75.59 |

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

# SIZE 330

## SWSI TYPE PBA CENTRIFUGAL FAN

INTAKE AREA = 6.68 S. F. OUTLET AREA = 6.26 S. F. WHEEL DIAMETER = 33"

TIP SPEED FPM = 8.640 x RPM MAX. BHP = 11.31 ( RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA,  
CLASS III / BOTTOM SHADED AREA, CLASS IV

|       |      | 0.125 SP |       | 0.25 SP |       | 0.5 SP |       | 0.75 SP |       | 1 SP  |       | 1.5 SP |       |
|-------|------|----------|-------|---------|-------|--------|-------|---------|-------|-------|-------|--------|-------|
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 3756  | 600  | 275      | 0.14  | 315     | 0.23  | 378    | 0.40  | 436     | 0.60  |       |       |        |       |
| 5008  | 800  | 328      | 0.24  | 373     | 0.36  | 431    | 0.58  | 480     | 0.82  | 525   | 1.07  |        |       |
| 6260  | 1000 | 390      | 0.40  | 428     | 0.54  | 488    | 0.83  | 535     | 1.11  | 575   | 1.40  | 646    | 1.99  |
| 7512  | 1200 | 453      | 0.61  | 483     | 0.77  | 550    | 1.15  | 592     | 1.48  | 630   | 1.81  | 695    | 2.48  |
| 8764  | 1400 | 525      | 0.93  | 543     | 1.08  | 603    | 1.52  | 652     | 1.94  | 687   | 2.31  | 751    | 3.08  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 10016 | 1600 | 600      | 1.39  | 612     | 1.52  | 657    | 1.96  | 707     | 2.44  | 750   | 2.95  | 808    | 3.80  |
| 11268 | 1800 | 665      | 1.86  | 680     | 2.06  | 715    | 2.50  | 760     | 3.04  | 808   | 3.64  | 867    | 4.58  |
| 12520 | 2000 | 738      | 2.51  | 751     | 2.73  | 776    | 3.18  | 814     | 3.73  | 856   | 4.35  | 930    | 5.59  |
| 13772 | 2200 | 810      | 3.32  | 821     | 3.56  | 845    | 4.00  | 873     | 4.57  | 908   | 5.19  | 987    | 6.62  |
| 15024 | 2400 | 880      | 4.23  | 891     | 4.50  | 913    | 5.02  | 935     | 5.57  | 965   | 6.20  | 1033   | 7.62  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 16276 | 2600 | 956      | 5.43  | 962     | 5.60  | 982    | 6.23  | 1003    | 6.78  | 1025  | 7.36  | 1087   | 8.91  |
| 17528 | 2800 | 1024     | 6.67  | 1034    | 6.91  | 1050   | 7.50  | 1070    | 8.14  | 1090  | 8.80  | 1143   | 10.32 |
| 18780 | 3000 | 1096     | 8.17  | 1105    | 8.43  | 1120   | 9.06  | 1138    | 9.73  | 1150  | 10.40 | 1200   | 11.89 |
| 20032 | 3200 | 1168     | 9.89  | 1170    | 10.01 | 1191   | 10.86 | 1206    | 11.56 | 1223  | 12.15 | 1260   | 13.67 |
| 21284 | 3400 | 1240     | 11.84 | 1247    | 12.11 | 1261   | 12.79 | 1275    | 13.40 | 1292  | 14.24 | 1324   | 15.82 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 22536 | 3600 | 1312     | 13.89 | 1318    | 14.24 | 1332   | 14.96 | 1345    | 15.68 | 1360  | 16.53 | 1390   | 18.09 |
| 23788 | 3800 | 1385     | 16.34 | 1391    | 16.72 | 1403   | 17.29 | 1415    | 18.23 | 1428  | 19.02 | 1455   | 20.58 |
| 25040 | 4000 | 1457     | 19.03 | 1462    | 19.38 | 1474   | 20.02 | 1486    | 21.02 | 1498  | 21.67 | 1523   | 23.46 |
| 26292 | 4200 | 1529     | 21.99 | 1535    | 22.43 | 1545   | 23.05 | 1555    | 23.94 | 1567  | 24.80 | 1592   | 26.68 |
| 27544 | 4400 | 1601     | 25.25 | 1606    | 25.65 | 1615   | 26.33 | 1627    | 27.25 | 1638  | 28.28 | 1660   | 30.11 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
|       |      | 2 SP     |       | 2.5 SP  |       | 3 SP   |       | 3.5 SP  |       | 4 SP  |       | 4.5 SP |       |
| CFM   | CV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 7512  | 1200 | 755      | 3.18  | 815     | 3.96  | 872    | 4.80  |         |       |       |       |        |       |
| 8764  | 1400 | 808      | 3.89  | 861     | 4.73  | 911    | 5.60  | 960     | 6.49  | 1010  | 7.47  |        |       |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 10016 | 1600 | 862      | 4.67  | 914     | 5.64  | 960    | 6.56  | 1006    | 7.56  | 1050  | 8.57  | 1091   | 9.57  |
| 11268 | 1800 | 920      | 5.62  | 968     | 6.59  | 1013   | 7.65  | 1055    | 8.69  | 1099  | 9.84  | 1136   | 10.87 |
| 12520 | 2000 | 978      | 6.62  | 1025    | 7.78  | 1065   | 8.81  | 1108    | 9.98  | 1150  | 11.21 | 1187   | 12.39 |
| 13772 | 2200 | 1040     | 7.89  | 1084    | 9.04  | 1126   | 10.32 | 1165    | 11.43 | 1202  | 12.67 | 1244   | 14.14 |
| 15024 | 2400 | 1102     | 9.27  | 1145    | 10.55 | 1185   | 11.85 | 1223    | 13.21 | 1260  | 14.48 | 1294   | 15.81 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 16276 | 2600 | 1155     | 10.61 | 1208    | 12.25 | 1245   | 13.57 | 1281    | 14.94 | 1317  | 16.49 | 1350   | 17.78 |
| 17528 | 2800 | 1205     | 12.10 | 1264    | 13.96 | 1308   | 15.62 | 1343    | 17.03 | 1377  | 18.54 | 1408   | 20.14 |
| 18780 | 3000 | 1252     | 13.61 | 1315    | 15.70 | 1367   | 17.66 | 1403    | 19.28 | 1436  | 20.82 | 1468   | 22.43 |
| 20032 | 3200 | 1308     | 15.47 | 1364    | 17.60 | 1418   | 19.66 | 1463    | 21.71 | 1498  | 24.19 | 1529   | 25.13 |
| 21284 | 3400 | 1365     | 17.49 | 1415    | 19.64 | 1467   | 21.86 | 1520    | 24.21 | 1558  | 26.22 | 1591   | 28.16 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 22536 | 3600 | 1425     | 19.87 | 1469    | 21.67 | 1518   | 24.25 | 1566    | 26.52 | 1615  | 29.08 | 1652   | 31.26 |
| 23788 | 3800 | 1488     | 22.52 | 1522    | 24.41 | 1570   | 26.83 | 1617    | 29.31 | 1664  | 31.81 | 1702   | 33.99 |
| 25040 | 4000 | 1552     | 25.40 | 1586    | 27.47 | 1625   | 29.75 | 1669    | 32.23 | 1712  | 34.74 | 1758   | 37.46 |
| 26292 | 4200 | 1617     | 28.44 | 1648    | 30.60 | 1683   | 32.77 | 1723    | 35.46 | 1764  | 38.06 | 1807   | 40.85 |
| 27544 | 4400 | 1683     | 31.84 | 1711    | 34.24 | 1743   | 36.30 | 1780    | 39.10 | 1812  | 41.25 | 1848   | 43.76 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
|       |      | 5 SP     |       | 6 SP    |       | 8 SP   |       | 10 SP   |       | 12 SP |       | 14 SP  |       |
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP   |
| 11268 | 1800 | 1174     | 11.66 | 1250    | 14.29 |        |       |         |       |       |       |        |       |
| 12520 | 2000 | 1224     | 13.61 | 1294    | 16.04 | 1430   | 21.27 |         |       |       |       |        |       |
| 13772 | 2200 | 1275     | 15.26 | 1343    | 17.98 | 1468   | 23.39 | 1595    | 29.44 |       |       |        |       |
| 15024 | 2400 | 1330     | 17.23 | 1395    | 20.07 | 1516   | 25.85 | 1632    | 32.13 | 1745  | 38.45 |        |       |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 16276 | 2600 | 1383     | 19.19 | 1448    | 22.29 | 1563   | 28.26 | 1675    | 34.83 | 1780  | 41.36 | 1885   | 48.40 |
| 17528 | 2800 | 1440     | 21.58 | 1503    | 24.70 | 1618   | 31.27 | 1723    | 37.96 | 1824  | 44.98 | 1921   | 51.92 |
| 18780 | 3000 | 1500     | 24.25 | 1559    | 27.38 | 1672   | 34.23 | 1774    | 41.33 | 1870  | 48.52 | 1963   | 55.99 |
| 20032 | 3200 | 1558     | 26.78 | 1616    | 30.46 | 1732   | 37.85 | 1828    | 45.10 | 1920  | 52.49 | 2010   | 60.27 |
| 21284 | 3400 | 1620     | 29.87 | 1676    | 33.47 | 1783   | 41.07 | 1881    | 48.81 | 1973  | 56.70 | 2060   | 64.88 |
|       |      |          |       |         |       |        |       |         |       |       |       |        |       |
| 22536 | 3600 | 1680     | 33.34 | 1737    | 36.90 | 1838   | 44.87 | 1937    | 52.87 | 2027  | 61.16 | 2112   | 69.73 |
| 23788 | 3800 | 1742     | 36.65 | 1793    | 40.47 | 1896   | 48.98 | 1992    | 57.28 | 2077  | 65.63 | 2165   | 74.32 |
| 25040 | 4000 | 1800     | 40.15 | 1850    | 44.27 | 1957   | 53.07 | 2048    | 62.08 | 2136  | 70.81 | 2218   | 80.13 |
| 26292 | 4200 | 1848     | 43.51 | 1918    | 48.92 | 2019   | 57.87 | 2108    | 67.42 | 2192  | 76.11 | 2275   | 86.01 |
| 27544 | 4400 | 1890     | 46.74 | 1975    | 53.11 | 2078   | 63.00 | 2163    | 71.95 | 2250  | 82.32 | 2330   | 91.78 |

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

# SIZE 360

## SWSI TYPE PBA CENTRIFUGAL FAN

INTAKE AREA = 7.980 S. F. OUTLET AREA = 7.656 S. F. WHEEL DIAMETER = 36.4375"

TIP SPEED FPM = 9.52 x RPM MAX. BHP = 18.78 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

|       |      | 0.125 SP |       | 0.25 SP |       | 0.5 SP |       | 0.75 SP |       | 1 SP  |       | 1.5 SP |        |
|-------|------|----------|-------|---------|-------|--------|-------|---------|-------|-------|-------|--------|--------|
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP    |
| 4594  | 600  | 224      | 0.15  | 263     | 0.24  | 333    | 0.45  | 404     | 0.75  |       |       |        |        |
| 6126  | 800  | 274      | 0.26  | 305     | 0.39  | 363    | 0.63  | 416     | 0.90  | 467   | 1.11  | 569    | 2.00   |
| 7657  | 1000 | 323      | 0.42  | 355     | 0.59  | 404    | 0.89  | 450     | 1.23  | 491   | 1.54  | 573    | 2.30   |
| 9188  | 1200 | 375      | 0.68  | 400     | 0.83  | 450    | 1.23  | 500     | 1.71  | 533   | 2.07  | 575    | 2.35   |
| 10720 | 1400 | 430      | 0.98  | 452     | 1.18  | 500    | 1.67  | 540     | 2.12  | 575   | 2.61  | 633    | 3.42   |
|       |      |          |       |         |       |        |       |         |       |       |       |        |        |
| 12251 | 1600 | 484      | 1.37  | 505     | 1.61  | 545    | 2.11  | 585     | 2.68  | 618   | 3.18  | 680    | 4.32   |
| 13783 | 1800 | 538      | 1.82  | 562     | 2.42  | 600    | 2.76  | 630     | 3.25  | 665   | 3.90  | 719    | 5.00   |
| 15314 | 2000 | 595      | 2.44  | 614     | 2.80  | 650    | 3.51  | 680     | 4.09  | 716   | 4.78  | 761    | 5.95   |
| 16845 | 2200 | 650      | 3.12  | 670     | 3.56  | 700    | 4.37  | 733     | 5.00  | 758   | 5.67  | 810    | 7.18   |
| 18377 | 2400 | 710      | 4.07  | 729     | 4.40  | 750    | 5.20  | 785     | 6.00  | 803   | 6.26  | 860    | 8.44   |
|       |      |          |       |         |       |        |       |         |       |       |       |        |        |
| 19908 | 2600 | 765      | 5.09  | 779     | 5.50  | 805    | 6.43  | 833     | 7.26  | 850   | 7.57  | 905    | 9.83   |
| 21440 | 2800 | 820      | 6.26  | 835     | 6.83  | 860    | 7.80  | 890     | 8.68  | 910   | 9.46  | 955    | 11.35  |
| 22971 | 3000 | 877      | 7.60  | 890     | 8.18  | 918    | 9.35  | 943     | 10.33 | 963   | 11.22 | 1008   | 13.10  |
| 24502 | 3200 | 934      | 9.17  | 950     | 9.95  | 969    | 10.78 | 993     | 11.83 | 1015  | 12.88 | 1068   | 15.60  |
| 26034 | 3400 | 1000     | 11.25 | 1005    | 11.67 | 1025   | 12.50 | 1045    | 13.79 | 1073  | 15.22 | 1103   | 17.11  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |        |
| 27565 | 3600 | 1047     | 12.78 | 1119    | 15.94 | 1078   | 14.55 | 1103    | 15.90 | 1118  | 16.89 | 1155   | 19.35  |
| 29097 | 3800 | 1110     | 15.23 | 1120    | 15.98 | 1136   | 16.76 | 1155    | 18.26 | 1173  | 19.51 | 1203   | 21.45  |
| 30628 | 4000 | 1163     | 27.96 | 1174    | 18.37 | 1202   | 19.75 | 1214    | 21.20 | 1223  | 22.11 | 1260   | 24.65  |
| 32159 | 4200 | 1228     | 32.92 | 1237    | 21.50 | 1247   | 22.00 | 1258    | 23.12 | 1277  | 25.17 | 1313   | 27.36  |
| 33691 | 4400 | 1286     | 37.80 | 1292    | 24.43 | 1314   | 25.81 | 1319    | 26.65 | 1335  | 28.76 | 1363   | 30.61  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |        |
|       |      | 2 SP     |       | 2.5 SP  |       | 3 SP   |       | 3.5 SP  |       | 4 SP  |       | 4.5 SP |        |
| CFM   | CV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP    |
| 9188  | 1200 | 650      | 2.73  |         |       |        |       |         |       |       |       |        |        |
| 10720 | 1400 | 660      | 3.13  | 760     | 5.72  |        |       |         |       |       |       |        |        |
|       |      |          |       |         |       |        |       |         |       |       |       |        |        |
| 12251 | 1600 | 728      | 5.25  | 780     | 6.30  | 840    | 7.58  | 885     | 8.21  | 934   | 10.04 | 984    | 10.84  |
| 13783 | 1800 | 775      | 6.40  | 816     | 7.34  | 855    | 8.30  | 907     | 9.90  | 955   | 11.35 | 1000   | 12.40  |
| 15314 | 2000 | 809      | 7.28  | 870     | 9.00  | 895    | 9.68  | 942     | 11.13 | 980   | 12.50 | 1013   | 13.30  |
| 16845 | 2200 | 860      | 8.60  | 900     | 10.02 | 938    | 11.34 | 960     | 12.16 | 1010  | 13.80 | 1050   | 15.36  |
| 18377 | 2400 | 902      | 9.77  | 945     | 11.60 | 980    | 12.93 | 1020    | 14.46 | 1050  | 15.86 | 1055   | 15.64  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |        |
| 19908 | 2600 | 945      | 11.25 | 983     | 12.83 | 1025   | 14.80 | 1060    | 16.37 | 1095  | 18.36 | 1130   | 19.83  |
| 21440 | 2800 | 1000     | 13.27 | 1030    | 14.50 | 1070   | 16.84 | 1130    | 19.66 | 1136  | 20.15 | 1170   | 22.01  |
| 22971 | 3000 | 1025     | 14.30 | 1080    | 16.72 | 1115   | 18.73 | 1152    | 20.65 | 1180  | 22.51 | 1215   | 24.65  |
| 24502 | 3200 | 1090     | 17.12 | 1127    | 19.00 | 1160   | 20.72 | 1195    | 23.05 | 1230  | 25.14 | 1252   | 26.98  |
| 26034 | 3400 | 1145     | 19.21 | 1180    | 21.40 | 1210   | 23.51 | 1245    | 25.75 | 1275  | 28.00 | 1295   | 29.85  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |        |
| 27565 | 3600 | 1190     | 21.57 | 1230    | 24.26 | 1250   | 26.38 | 1290    | 28.60 | 1320  | 31.07 | 1350   | 33.24  |
| 29097 | 3800 | 1240     | 23.95 | 1270    | 26.21 | 1300   | 29.16 | 1345    | 32.30 | 1370  | 34.13 | 1398   | 36.60  |
| 30628 | 4000 | 1290     | 27.00 | 1320    | 29.33 | 1360   | 32.07 | 1382    | 35.03 | 1425  | 38.41 | 1440   | 40.00  |
| 32159 | 4200 | 1340     | 30.22 | 1370    | 32.73 | 1410   | 35.88 | 1435    | 38.52 | 1455  | 40.74 | 1490   | 44.30  |
| 33691 | 4400 | 1396     | 33.53 | 1428    | 37.00 | 1453   | 39.41 | 1480    | 42.26 | 1515  | 47.80 | 1513   | 45.97  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |        |
|       |      | 5 SP     |       | 6 SP    |       | 8 SP   |       | 10 SP   |       | 12 SP |       | 14 SP  |        |
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP   | RPM   | BHP   | RPM    | BHP    |
| 15314 | 2000 | 1069     | 15.63 | 1150    | 18.74 |        |       |         |       |       |       |        |        |
| 16845 | 2200 | 1092     | 16.97 | 1180    | 21.42 |        |       |         |       |       |       |        |        |
| 18377 | 2400 | 1130     | 19.22 | 1195    | 22.57 | 1335   | 29.89 | 1475    | 35.00 |       |       |        |        |
|       |      |          |       |         |       |        |       |         |       |       |       |        |        |
| 19908 | 2600 | 1157     | 20.74 | 1220    | 24.00 | 1360   | 32.19 | 1476    | 35.06 | 1610  | 48.47 |        |        |
| 21440 | 2800 | 1210     | 24.35 | 1265    | 27.35 | 1390   | 34.31 | 1510    | 43.90 | 1614  | 51.82 |        |        |
| 22971 | 3000 | 1245     | 26.76 | 1300    | 30.00 | 1415   | 37.74 | 1530    | 46.70 | 1640  | 52.27 |        |        |
| 24502 | 3200 | 1295     | 29.85 | 1348    | 33.82 | 1445   | 40.76 | 1545    | 48.95 | 1665  | 59.08 |        |        |
| 26034 | 3400 | 1330     | 32.34 | 1385    | 36.52 | 1510   | 47.33 | 1585    | 53.32 | 1685  | 63.50 | 1775   | 71.58  |
|       |      |          |       |         |       |        |       |         |       |       |       |        |        |
| 27565 | 3600 | 1378     | 35.35 | 1425    | 39.64 | 1520   | 48.28 | 1625    | 57.97 | 1715  | 66.95 | 1810   | 77.30  |
| 29097 | 3800 | 1425     | 39.10 | 1475    | 44.11 | 1555   | 51.70 | 1660    | 61.80 | 1755  | 73.03 | 1830   | 81.34  |
| 30628 | 4000 | 1480     | 43.41 | 1520    | 47.86 | 1620   | 58.45 | 1710    | 68.50 | 1790  | 77.49 | 1870   | 87.57  |
| 32159 | 4200 | 1520     | 46.61 | 1565    | 51.78 | 1675   | 64.38 | 1745    | 73.05 | 1840  | 84.90 | 1908   | 93.84  |
| 33691 | 4400 | 1570     | 51.82 | 1610    | 56.38 | 1710   | 68.50 | 1785    | 78.19 | 1875  | 89.84 | 1950   | 101.94 |

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

# SIZE 400

## SWSI TYPE PBA CENTRIFUGAL FAN

INTAKE AREA = 9.62 S. F. OUTLET AREA = 9.48 S. F. WHEEL DIAMETER = 40.25"

TIP SPEED FPM = 10.54 x RPM MAX. BHP = 30.62 ( RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

|       |      | 0.125 SP |       | 0.25 SP |       | 0.5 SP |       | 0.75 SP |        | 1 SP  |        | 1.5 SP |        |
|-------|------|----------|-------|---------|-------|--------|-------|---------|--------|-------|--------|--------|--------|
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 5688  | 600  | 207      | 0.20  | 247     | 0.33  | 314    | 0.63  |         |        |       |        |        |        |
| 7584  | 800  | 255      | 0.35  | 286     | 0.52  | 340    | 0.87  | 391     | 1.25   |       |        |        |        |
| 9480  | 1000 | 297      | 0.55  | 327     | 0.76  | 378    | 1.23  | 420     | 1.64   | 461   | 2.10   |        |        |
| 11377 | 1200 | 345      | 0.83  | 375     | 1.12  | 418    | 1.62  | 456     | 2.15   | 494   | 2.68   | 562    | 3.78   |
| 13273 | 1400 | 395      | 1.22  | 417     | 1.51  | 461    | 2.14  | 498     | 2.77   | 530   | 3.39   | 593    | 4.60   |
| 15169 | 1600 | 445      | 1.70  | 464     | 2.05  | 505    | 2.75  | 540     | 3.47   | 572   | 4.20   | 627    | 5.55   |
| 17065 | 1800 | 498      | 2.36  | 513     | 2.70  | 550    | 3.50  | 582     | 44.27  | 613   | 5.09   | 665    | 6.68   |
| 18961 | 2000 | 546      | 3.05  | 562     | 3.48  | 594    | 4.37  | 626     | 5.25   | 656   | 6.16   | 709    | 7.97   |
| 20857 | 2200 | 599      | 4.03  | 614     | 4.48  | 641    | 5.41  | 673     | 6.41   | 700   | 7.38   | 750    | 9.32   |
| 22754 | 2400 | 648      | 5.08  | 665     | 5.62  | 690    | 6.62  | 719     | 7.74   | 742   | 8.68   | 792    | 10.86  |
| 24650 | 2600 | 700      | 6.36  | 715     | 6.93  | 738    | 7.98  | 765     | 9.26   | 788   | 10.26  | 834    | 12.52  |
| 26546 | 2800 | 755      | 7.89  | 766     | 8.46  | 788    | 9.58  | 811     | 10.85  | 834   | 12.08  | 882    | 14.67  |
| 28442 | 3000 | 807      | 9.64  | 815     | 10.15 | 838    | 11.36 | 861     | 12.85  | 880   | 14.05  | 927    | 16.87  |
| 30338 | 3200 | 856      | 11.49 | 870     | 12.30 | 888    | 13.51 | 909     | 14.91  | 929   | 16.39  | 968    | 19.02  |
| 32235 | 3400 | 910      | 13.60 | 920     | 14.38 | 941    | 15.85 | 960     | 17.44  | 978   | 18.83  | 1018   | 21.97  |
| 34131 | 3600 | 963      | 16.12 | 970     | 16.79 | 990    | 18.46 | 1010    | 20.03  | 1025  | 21.53  | 1062   | 24.78  |
| 36027 | 3800 | 1015     | 18.88 | 1025    | 19.81 | 1043   | 21.43 | 1055    | 22.66  | 1076  | 24.56  | 1107   | 27.88  |
| 37923 | 4000 | 1067     | 21.93 | 1075    | 22.77 | 1096   | 24.68 | 1110    | 26.21  | 1127  | 28.03  | 1156   | 31.43  |
| 39819 | 4200 | 1122     | 25.50 | 1125    | 25.90 | 1143   | 27.89 | 1160    | 29.80  | 1178  | 31.78  | 1207   | 35.41  |
| 41715 | 4400 | 1175     | 29.29 | 1180    | 29.89 | 1198   | 32.11 | 1208    | 33.54  | 1227  | 35.66  | 1255   | 39.25  |
|       |      |          |       |         |       |        |       |         |        |       |        |        |        |
|       |      | 2 SP     |       | 2.5 SP  |       | 3 SP   |       | 3.5 SP  |        | 4 SP  |        | 4.5 SP |        |
| CFM   | CV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 11377 | 1200 | 629      | 5.11  |         |       |        |       |         |        |       |        |        |        |
| 13273 | 1400 | 652      | 5.93  | 709     | 7.37  |        |       |         |        |       |        |        |        |
| 15169 | 1600 | 680      | 6.94  | 732     | 8.41  | 783    | 10.06 | 833     | 12.76  |       |        |        |        |
| 17065 | 1800 | 716      | 8.23  | 763     | 9.81  | 809    | 11.47 | 855     | 13.88  | 900   | 15.18  | 942    | 17.12  |
| 18961 | 2000 | 754      | 9.76  | 798     | 11.36 | 842    | 13.18 | 880     | 15.28  | 923   | 17.91  | 963    | 18.79  |
| 20857 | 2200 | 796      | 11.22 | 838     | 13.36 | 878    | 15.18 | 917     | 17.56  | 952   | 18.93  | 991    | 19.34  |
| 22754 | 2400 | 837      | 13.03 | 875     | 15.11 | 914    | 17.33 | 952     | 19.53  | 987   | 21.36  | 1021   | 23.50  |
| 24650 | 2600 | 880      | 15.05 | 917     | 17.24 | 956    | 19.78 | 987     | 21.56  | 1026  | 24.37  | 1057   | 26.40  |
| 26546 | 2800 | 921      | 17.08 | 960     | 19.59 | 993    | 21.96 | 1029    | 24.21  | 1062  | 27.28  | 1092   | 29.38  |
| 28442 | 3000 | 964      | 19.34 | 1003    | 22.14 | 1038   | 24.85 | 1070    | 27.05  | 1102  | 30.29  | 1134   | 33.21  |
| 30338 | 3200 | 1010     | 22.03 | 1045    | 24.96 | 1079   | 27.65 | 1111    | 29.99  | 1139  | 32.83  | 1171   | 36.46  |
| 32235 | 3400 | 1052     | 24.74 | 1087    | 27.73 | 1123   | 30.98 | 1153    | 33.31  | 1179  | 36.64  | 1214   | 40.13  |
| 34131 | 3600 | 1100     | 27.91 | 1134    | 31.19 | 1164   | 34.17 | 1195    | 36.85  | 1226  | 39.92  | 1254   | 43.95  |
| 36027 | 3800 | 1142     | 31.44 | 1176    | 34.56 | 1210   | 38.13 | 1240    | 40.78  | 1266  | 44.38  | 1296   | 48.07  |
| 37923 | 4000 | 1189     | 34.90 | 1224    | 38.71 | 1251   | 41.87 | 1280    | 44.56  | 1310  | 49.02  | 1339   | 52.68  |
| 39819 | 4200 | 1238     | 39.13 | 1269    | 42.85 | 1300   | 46.68 | 1328    | 49.44  | 1357  | 54.14  | 1382   | 57.74  |
| 41715 | 4400 | 1285     | 43.46 | 1317    | 47.59 | 1344   | 51.08 | 1372    | 54.16  | 1400  | 59.07  | 1424   | 62.56  |
|       |      |          |       |         |       |        |       |         |        |       |        |        |        |
|       |      | 5 SP     |       | 6 SP    |       | 8 SP   |       | 10 SP   |        | 12 SP |        | 14 SP  |        |
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP   | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 18360 | 2000 | 1004     | 21.08 |         |       |        |       |         |        |       |        |        |        |
| 20196 | 2200 | 1027     | 23.09 | 1100    | 27.72 |        |       |         |        |       |        |        |        |
| 22032 | 2400 | 1054     | 25.53 | 1124    | 30.27 |        |       |         |        |       |        |        |        |
| 23868 | 2600 | 1088     | 28.44 | 1151    | 33.14 | 1276   | 43.42 |         |        |       |        |        |        |
| 25704 | 2800 | 1124     | 31.75 | 1184    | 36.65 | 1301   | 46.94 | 1418    | 59.00  |       |        |        |        |
| 27540 | 3000 | 1160     | 35.22 | 1218    | 40.40 | 1326   | 50.83 | 1435    | 62.17  | 1545  | 76.32  |        |        |
| 29376 | 3200 | 1196     | 38.96 | 1257    | 44.68 | 1359   | 55.42 | 1465    | 67.68  | 1567  | 80.69  | 1663   | 94.21  |
| 31212 | 3400 | 1240     | 43.03 | 1294    | 49.35 | 1400   | 60.97 | 1492    | 72.65  | 1590  | 85.69  | 1684   | 99.49  |
| 33048 | 3600 | 1280     | 47.04 | 1332    | 53.50 | 1435   | 66.28 | 1527    | 78.62  | 1619  | 91.94  | 1710   | 105.90 |
| 34884 | 3800 | 1322     | 51.34 | 1376    | 58.79 | 1472   | 71.98 | 1564    | 85.01  | 1645  | 97.99  | 1733   | 112.04 |
| 36720 | 4000 | 1366     | 56.28 | 1415    | 63.35 | 1509   | 78.26 | 1598    | 91.53  | 1682  | 105.41 | 1762   | 119.66 |
| 38556 | 4200 | 1406     | 60.99 | 1457    | 69.16 | 1550   | 84.30 | 1635    | 98.64  | 1720  | 113.42 | 1798   | 128.36 |
| 40392 | 4400 | 1451     | 66.82 | 1499    | 74.85 | 1590   | 90.72 | 1671    | 106.27 | 1755  | 121.24 | 1831   | 136.41 |
|       |      |          |       |         |       |        |       |         |        |       |        |        |        |

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

# SIZE 440

## SWSI TYPE PBA CENTRIFUGAL FAN

INTAKE AREA = 11.92 S. F. OUTLET AREA = 11.5864 S. F. WHEEL DIAMETER = 44.50"

TIP SPEED FPM = 11.65 x RPM MAX. BHP = 50.59 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

|       |      | 0.125 SP |       | 0.25 SP |       | 0.5 SP |        | 0.75 SP |        | 1 SP  |        | 1.5 SP |        |
|-------|------|----------|-------|---------|-------|--------|--------|---------|--------|-------|--------|--------|--------|
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 6951  | 600  | 193      | 0.28  | 230     | 0.45  |        |        |         |        |       |        |        |        |
| 9269  | 800  | 232      | 0.42  | 265     | 0.70  | 317    | 1.15   | 368     | 1.70   |       |        |        |        |
| 11584 | 1000 | 274      | 0.71  | 303     | 1.01  | 351    | 1.62   | 390     | 2.16   | 431   | 2.81   |        |        |
| 13903 | 1200 | 318      | 1.08  | 343     | 1.43  | 387    | 2.16   | 425     | 2.87   | 458   | 3.51   | 527    | 5.04   |
| 16220 | 1400 | 362      | 1.57  | 384     | 1.97  | 427    | 2.82   | 462     | 3.69   | 492   | 4.45   | 550    | 5.96   |
|       |      |          |       |         |       |        |        |         |        |       |        |        |        |
| 18538 | 1600 | 407      | 2.27  | 428     | 2.66  | 465    | 3.60   | 499     | 4.57   | 529   | 5.55   | 582    | 7.32   |
| 20855 | 1800 | 454      | 3.01  | 471     | 3.51  | 505    | 4.53   | 539     | 5.65   | 567   | 6.75   | 618    | 8.85   |
| 23172 | 2000 | 500      | 3.96  | 515     | 4.54  | 547    | 5.68   | 579     | 6.91   | 607   | 8.12   | 653    | 10.41  |
| 25490 | 2200 | 546      | 5.12  | 561     | 5.76  | 592    | 7.10   | 618     | 8.30   | 646   | 9.67   | 693    | 12.32  |
| 27807 | 2400 | 593      | 6.56  | 608     | 7.28  | 633    | 8.57   | 662     | 10.10  | 685   | 11.38  | 731    | 14.28  |
|       |      |          |       |         |       |        |        |         |        |       |        |        |        |
| 30124 | 2600 | 640      | 8.15  | 654     | 9.00  | 677    | 10.35  | 706     | 12.12  | 726   | 13.37  | 773    | 16.65  |
| 32441 | 2800 | 686      | 9.92  | 700     | 10.92 | 724    | 12.61  | 745     | 14.07  | 769   | 15.80  | 813    | 19.15  |
| 34759 | 3000 | 734      | 12.12 | 749     | 13.30 | 772    | 15.12  | 790     | 16.70  | 814   | 18.60  | 851    | 21.82  |
| 37076 | 3200 | 781      | 14.55 | 795     | 15.81 | 815    | 17.66  | 833     | 19.29  | 852   | 21.00  | 893    | 24.99  |
| 39393 | 3400 | 828      | 17.31 | 840     | 18.43 | 861    | 20.68  | 879     | 22.55  | 899   | 24.55  | 935    | 28.45  |
|       |      |          |       |         |       |        |        |         |        |       |        |        |        |
| 41711 | 3600 | 875      | 20.31 | 887     | 21.71 | 906    | 23.92  | 925     | 26.10  | 941   | 27.96  | 977    | 31.94  |
| 44028 | 3800 | 924      | 23.92 | 933     | 25.19 | 952    | 27.56  | 970     | 29.78  | 987   | 32.14  | 1022   | 36.57  |
| 46345 | 4000 | 970      | 27.46 | 980     | 28.84 | 998    | 31.66  | 1015    | 33.98  | 1031  | 36.27  | 1063   | 40.87  |
| 48662 | 4200 | 1017     | 31.65 | 1026    | 33.00 | 1046   | 36.40  | 1063    | 38.92  | 1077  | 41.29  | 1110   | 46.09  |
| 50980 | 4400 | 1066     | 36.40 | 1075    | 37.95 | 1092   | 40.99  | 1111    | 44.12  | 1121  | 45.84  | 1151   | 51.18  |
|       |      |          |       |         |       |        |        |         |        |       |        |        |        |
|       |      | 2 SP     |       | 2.5 SP  |       | 3 SP   |        | 3.5 SP  |        | 4 SP  |        | 4.5 SP |        |
| CFM   | CV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 13903 | 1200 | 597      | 6.93  |         |       |        |        |         |        |       |        |        |        |
| 16220 | 1400 | 610      | 7.93  |         |       |        |        |         |        |       |        |        |        |
|       |      |          |       |         |       |        |        |         |        |       |        |        |        |
| 18538 | 1600 | 634      | 9.26  | 686     | 11.35 | 735    | 13.42  | 790     | 16.20  |       |        |        |        |
| 20855 | 1800 | 667      | 10.99 | 710     | 13.00 | 754    | 15.28  | 800     | 17.11  | 847   | 20.53  | 896    | 23.47  |
| 23172 | 2000 | 700      | 12.86 | 743     | 15.19 | 783    | 17.53  | 822     | 19.87  | 863   | 22.25  | 903    | 25.29  |
| 25490 | 2200 | 738      | 15.00 | 776     | 17.50 | 816    | 20.12  | 850     | 22.46  | 885   | 24.96  | 924    | 28.12  |
| 27807 | 2400 | 773      | 17.23 | 807     | 19.70 | 848    | 22.83  | 885     | 25.67  | 916   | 28.10  | 949    | 30.98  |
|       |      |          |       |         |       |        |        |         |        |       |        |        |        |
| 30124 | 2600 | 812      | 19.77 | 849     | 22.92 | 884    | 25.90  | 916     | 28.78  | 949   | 31.69  | 979    | 34.53  |
| 32441 | 2800 | 850      | 22.40 | 884     | 25.65 | 922    | 29.35  | 953     | 32.45  | 986   | 35.94  | 1015   | 38.97  |
| 34759 | 3000 | 890      | 25.42 | 927     | 29.24 | 960    | 32.97  | 992     | 36.56  | 1022  | 40.02  | 1047   | 42.98  |
| 37076 | 3200 | 930      | 28.67 | 967     | 32.65 | 1000   | 36.85  | 1027    | 40.36  | 1058  | 44.35  | 1084   | 47.76  |
| 39393 | 3400 | 971      | 32.55 | 1005    | 36.56 | 1037   | 40.78  | 1066    | 44.80  | 1094  | 48.85  | 1122   | 52.90  |
|       |      |          |       |         |       |        |        |         |        |       |        |        |        |
| 41711 | 3600 | 1011     | 36.35 | 1046    | 40.80 | 1077   | 45.11  | 1106    | 49.48  | 1130  | 53.57  | 1158   | 57.94  |
| 44028 | 3800 | 1053     | 40.97 | 1087    | 45.54 | 1117   | 50.00  | 1143    | 54.06  | 1173  | 59.32  | 1196   | 63.36  |
| 46345 | 4000 | 1093     | 45.33 | 1125    | 50.16 | 1157   | 55.21  | 1183    | 59.78  | 1212  | 64.45  | 1234   | 69.16  |
| 48662 | 4200 | 1138     | 50.89 | 1170    | 56.05 | 1200   | 61.20  | 1225    | 65.78  | 1246  | 69.85  | 1278   | 76.14  |
| 50980 | 4400 | 1182     | 56.57 | 1213    | 61.97 | 1237   | 66.60  | 1269    | 72.65  | 1289  | 76.84  | 1315   | 82.11  |
|       |      |          |       |         |       |        |        |         |        |       |        |        |        |
|       |      | 5 SP     |       | 6 SP    |       | 8 SP   |        | 10 SP   |        | 12 SP |        | 14 SP  |        |
| CFM   | OV   | RPM      | BHP   | RPM     | BHP   | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 23172 | 2000 | 946      | 28.53 |         |       |        |        |         |        |       |        |        |        |
| 25490 | 2200 | 963      | 31.33 |         |       |        |        |         |        |       |        |        |        |
| 27807 | 2400 | 983      | 33.50 | 1055    | 41.04 |        |        |         |        |       |        |        |        |
|       |      |          |       |         |       |        |        |         |        |       |        |        |        |
| 30124 | 2600 | 1014     | 38.13 | 1074    | 44.16 | 1201   | 59.10  |         |        |       |        |        |        |
| 32441 | 2800 | 1042     | 41.79 | 1100    | 47.75 | 1219   | 63.73  |         |        |       |        |        |        |
| 34759 | 3000 | 1077     | 46.55 | 1130    | 53.10 | 1240   | 67.96  | 1351    | 85.62  |       |        |        |        |
| 37076 | 3200 | 1109     | 51.14 | 1168    | 59.16 | 1268   | 74.18  | 1370    | 90.47  | 1474  | 110.75 |        |        |
| 39393 | 3400 | 1148     | 56.73 | 1201    | 64.96 | 1296   | 79.61  | 1394    | 97.20  | 1491  | 114.63 | 1585   | 134.57 |
|       |      |          |       |         |       |        |        |         |        |       |        |        |        |
| 41711 | 3600 | 1186     | 62.48 | 1236    | 70.80 | 1328   | 86.74  | 1419    | 103.80 | 1511  | 122.97 | 1600   | 142.22 |
| 44028 | 3800 | 1221     | 67.84 | 1268    | 76.45 | 1365   | 94.78  | 1450    | 111.50 | 1535  | 130.27 | 1622   | 150.14 |
| 46345 | 4000 | 1258     | 73.73 | 1310    | 84.19 | 1401   | 103.12 | 1480    | 119.76 | 1564  | 139.74 | 1650   | 161.17 |
| 48662 | 4200 | 1298     | 80.48 | 1348    | 91.28 | 1433   | 110.35 | 1519    | 130.62 | 1594  | 148.50 | 1672   | 168.80 |
| 50980 | 4400 | 1340     | 88.00 | 1385    | 98.39 | 1470   | 119.11 | 1552    | 140.01 | 1628  | 159.80 | 1701   | 180.00 |

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

# SIZE 490

## SWSI TYPE PBA CENTRIFUGAL FAN

INTAKE AREA = 14.396 S. F. OUTLET AREA = 14.094 S. F. WHEEL DIAMETER = 49"

TIP SPEED FPM = 12.83 x RPM MAX. BHP = 81.90 ( RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

|       |      | 0.125 SP |       | 0.25 SP |        | 0.5 SP |        | 0.75 SP |        | 1 SP  |        | 1.5 SP |        |
|-------|------|----------|-------|---------|--------|--------|--------|---------|--------|-------|--------|--------|--------|
| CFM   | OV   | RPM      | BHP   | RPM     | BHP    | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 8456  | 600  | 169      | 0.29  | 197     | 0.46   |        |        |         |        |       |        |        |        |
| 11275 | 800  | 205      | 0.49  | 230     | 0.73   | 272    | 1.20   | 312     | 1.74   |       |        |        |        |
| 14094 | 1000 | 243      | 0.80  | 266     | 1.09   | 302    | 1.66   | 336     | 2.28   | 367   | 2.88   |        |        |
| 16912 | 1200 | 285      | 1.26  | 300     | 1.53   | 338    | 2.29   | 366     | 2.97   | 392   | 3.59   | 448    | 5.24   |
| 19731 | 1400 | 324      | 1.82  | 341     | 2.20   | 374    | 3.04   | 401     | 3.84   | 426   | 4.68   | 472    | 6.32   |
| 22550 | 1600 | 367      | 2.62  | 380     | 3.01   | 408    | 3.88   | 435     | 4.84   | 461   | 5.83   | 502    | 7.60   |
| 25369 | 1800 | 410      | 3.63  | 422     | 4.07   | 447    | 5.03   | 472     | 6.27   | 494   | 7.03   | 535    | 9.20   |
| 28188 | 2000 | 452      | 4.85  | 464     | 5.35   | 485    | 6.32   | 509     | 7.54   | 529   | 8.61   | 569    | 10.96  |
| 31006 | 2200 | 495      | 6.36  | 504     | 6.83   | 525    | 7.93   | 546     | 9.16   | 568   | 10.47  | 604    | 12.98  |
| 33825 | 2400 | 539      | 8.19  | 548     | 8.73   | 568    | 9.99   | 586     | 11.21  | 604   | 12.46  | 640    | 15.29  |
| 36644 | 2600 | 580      | 10.18 | 590     | 10.84  | 607    | 12.06  | 626     | 13.45  | 642   | 14.81  | 677    | 17.87  |
| 39463 | 2800 | 624      | 12.60 | 633     | 13.31  | 650    | 14.73  | 664     | 16.00  | 682   | 17.57  | 717    | 21.28  |
| 42282 | 3000 | 666      | 15.33 | 673     | 16.00  | 690    | 17.53  | 705     | 19.02  | 720   | 20.68  | 751    | 24.20  |
| 45100 | 3200 | 710      | 18.57 | 716     | 19.21  | 732    | 20.81  | 745     | 22.30  | 761   | 24.16  | 790    | 27.60  |
| 47919 | 3400 | 752      | 22.00 | 760     | 22.99  | 773    | 24.51  | 788     | 26.96  | 803   | 28.20  | 830    | 31.67  |
| 50738 | 3600 | 795      | 26.00 | 801     | 26.82  | 815    | 28.72  | 829     | 30.56  | 842   | 32.20  | 869    | 36.16  |
| 53557 | 3800 | 838      | 30.37 | 845     | 31.49  | 860    | 33.56  | 871     | 35.25  | 883   | 36.93  | 908    | 41.03  |
| 56376 | 4000 | 883      | 35.53 | 890     | 36.69  | 902    | 38.51  | 914     | 40.52  | 926   | 42.59  | 948    | 46.45  |
| 59194 | 4200 | 926      | 40.97 | 940     | 43.22  | 943    | 44.01  | 956     | 46.31  | 966   | 48.30  | 989    | 52.60  |
| 62013 | 4400 | 969      | 46.90 | 974     | 48.09  | 985    | 50.10  | 996     | 52.28  | 1007  | 54.72  | 1040   | 60.83  |
|       |      |          |       |         |        |        |        |         |        |       |        |        |        |
|       |      | 2 SP     |       | 2.5 SP  |        | 3 SP   |        | 3.5 SP  |        | 4 SP  |        | 4.5 SP |        |
| CFM   | CV   | RPM      | BHP   | RPM     | BHP    | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 16912 | 1200 | 496      | 6.79  |         |        |        |        |         |        |       |        |        |        |
| 19731 | 1400 | 520      | 8.20  | 561     | 9.99   |        |        |         |        |       |        |        |        |
| 22550 | 1600 | 545      | 9.67  | 583     | 11.55  | 622    | 13.75  | 657     | 15.86  |       |        |        |        |
| 25369 | 1800 | 572      | 11.35 | 610     | 13.57  | 647    | 15.95  | 680     | 18.15  | 714   | 20.69  | 744    | 22.81  |
| 28188 | 2000 | 606      | 13.43 | 640     | 15.90  | 673    | 18.31  | 706     | 20.83  | 738   | 23.44  | 766    | 25.81  |
| 31006 | 2200 | 640      | 15.74 | 670     | 18.24  | 700    | 20.40  | 734     | 23.87  | 762   | 26.38  | 792    | 29.26  |
| 33825 | 2400 | 674      | 18.12 | 704     | 20.96  | 734    | 23.98  | 761     | 26.73  | 790   | 29.75  | 816    | 32.47  |
| 36644 | 2600 | 707      | 20.81 | 738     | 23.91  | 766    | 26.99  | 794     | 30.33  | 818   | 33.19  | 844    | 36.28  |
| 39463 | 2800 | 745      | 23.99 | 773     | 27.20  | 800    | 30.45  | 828     | 34.09  | 850   | 37.24  | 872    | 40.21  |
| 42282 | 3000 | 781      | 27.50 | 808     | 30.91  | 834    | 34.33  | 861     | 38.00  | 884   | 41.49  | 907    | 45.14  |
| 45100 | 3200 | 818      | 31.28 | 846     | 35.13  | 869    | 38.61  | 894     | 42.29  | 921   | 46.51  | 941    | 50.04  |
| 47919 | 3400 | 856      | 35.66 | 882     | 39.41  | 905    | 43.22  | 930     | 47.37  | 955   | 51.55  | 977    | 55.47  |
| 50738 | 3600 | 893      | 40.07 | 916     | 43.92  | 942    | 48.25  | 966     | 52.56  | 988   | 56.80  | 1010   | 60.98  |
| 53557 | 3800 | 931      | 45.17 | 958     | 49.73  | 981    | 54.22  | 1002    | 58.37  | 1026  | 63.29  | 1046   | 67.40  |
| 56376 | 4000 | 972      | 50.87 | 996     | 55.60  | 1018   | 60.28  | 1039    | 64.75  | 1062  | 69.56  | 1082   | 74.23  |
| 59194 | 4200 | 1011     | 57.09 | 1033    | 61.70  | 1055   | 66.41  | 1076    | 71.19  | 1096  | 76.00  | 1120   | 81.51  |
| 62013 | 4400 | 1052     | 63.81 | 1072    | 68.24  | 1093   | 73.47  | 1113    | 78.38  | 1136  | 84.20  | 1156   | 89.18  |
|       |      |          |       |         |        |        |        |         |        |       |        |        |        |
|       |      | 5 SP     |       | 6 SP    |        | 8 SP   |        | 10 SP   |        | 12 SP |        | 14 SP  |        |
| CFM   | OV   | RPM      | BHP   | RPM     | BHP    | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 28188 | 2000 | 794      | 28.31 |         |        |        |        |         |        |       |        |        |        |
| 31006 | 2200 | 820      | 32.11 | 871     | 37.37  |        |        |         |        |       |        |        |        |
| 33825 | 2400 | 844      | 35.67 | 895     | 41.70  |        |        |         |        |       |        |        |        |
| 36644 | 2600 | 870      | 39.55 | 918     | 45.56  | 1018   | 60.59  |         |        |       |        |        |        |
| 39463 | 2800 | 898      | 43.91 | 948     | 51.17  | 1040   | 65.59  | 1123    | 80.10  |       |        |        |        |
| 42282 | 3000 | 930      | 48.82 | 974     | 55.76  | 1064   | 71.47  | 1146    | 86.88  | 1220  | 101.65 |        |        |
| 45100 | 3200 | 964      | 54.06 | 1003    | 61.19  | 1091   | 77.80  | 1167    | 92.67  | 1244  | 110.01 | 1318   | 128.16 |
| 47919 | 3400 | 996      | 59.28 | 1038    | 67.76  | 1117   | 84.11  | 1188    | 98.99  | 1268  | 118.58 | 1337   | 134.97 |
| 50738 | 3600 | 1028     | 64.68 | 1071    | 73.78  | 1153   | 92.95  | 1217    | 107.72 | 1290  | 126.30 | 1360   | 145.57 |
| 53557 | 3800 | 1066     | 71.69 | 1108    | 81.50  | 1180   | 99.64  | 1247    | 117.02 | 1315  | 135.24 | 1380   | 153.24 |
| 56376 | 4000 | 1102     | 78.81 | 1140    | 88.12  | 1212   | 107.44 | 1278    | 126.58 | 1341  | 144.83 | 1409   | 165.96 |
| 59194 | 4200 | 1138     | 86.36 | 1174    | 95.76  | 1245   | 115.90 | 1310    | 136.33 | 1371  | 155.52 | 1435   | 176.61 |
| 62013 | 4400 | 1174     | 94.26 | 1211    | 104.59 | 1279   | 126.57 | 1341    | 146.10 | 1404  | 167.83 | 1461   | 187.29 |

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

# SIZE 540

## SWSI TYPE PBA CENTRIFUGAL FAN

INTAKE AREA = 17.565 S. F. OUTLET AREA = 17.0944 S. F. WHEEL DIAMETER = 54"

TIP SPEED FPM = 14.14 x RPM MAX. BHP = 133 ( RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

|       |      | 0.125 SP |        | 0.25 SP |        | 0.5 SP |        | 0.75 SP |        | 1 SP  |        | 1.5 SP |        |
|-------|------|----------|--------|---------|--------|--------|--------|---------|--------|-------|--------|--------|--------|
| CFM   | OV   | RPM      | BHP    | RPM     | BHP    | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 10256 | 600  | 153      | 0.35   | 180     | 0.57   | 224    | 1.01   |         |        |       |        |        |        |
| 13675 | 800  | 186      | 0.60   | 209     | 0.89   | 247    | 1.47   | 279     | 2.02   |       |        |        |        |
| 17094 | 1000 | 220      | 0.95   | 241     | 1.32   | 275    | 2.05   | 305     | 2.77   | 331   | 3.42   |        |        |
| 20513 | 1200 | 256      | 1.46   | 274     | 1.89   | 306    | 2.77   | 333     | 3.65   | 359   | 4.55   | 403    | 6.17   |
| 23932 | 1400 | 294      | 2.17   | 309     | 2.65   | 338    | 3.64   | 364     | 4.70   | 387   | 5.74   | 430    | 7.76   |
| 27351 | 1600 | 331      | 3.01   | 345     | 3.61   | 371    | 4.73   | 395     | 5.86   | 418   | 7.13   | 458    | 9.51   |
| 30769 | 1800 | 370      | 4.17   | 382     | 4.81   | 405    | 6.11   | 428     | 7.38   | 449   | 8.66   | 487    | 11.40  |
| 34188 | 2000 | 408      | 5.54   | 419     | 6.23   | 449    | 7.63   | 459     | 8.97   | 481   | 10.50  | 517    | 13.46  |
| 37607 | 2200 | 447      | 7.23   | 457     | 7.96   | 476    | 9.55   | 496     | 11.14  | 514   | 12.70  | 549    | 15.81  |
| 41026 | 2400 | 485      | 9.21   | 496     | 10.14  | 512    | 11.68  | 530     | 13.42  | 548   | 15.20  | 581    | 18.60  |
| 44445 | 2600 | 526      | 11.64  | 534     | 12.53  | 551    | 14.42  | 566     | 16.08  | 583   | 18.07  | 614    | 21.66  |
| 47864 | 2800 | 564      | 14.20  | 570     | 15.09  | 588    | 17.35  | 603     | 19.30  | 618   | 21.24  | 648    | 25.25  |
| 51283 | 3000 | 603      | 17.36  | 610     | 18.45  | 625    | 20.66  | 640     | 22.77  | 653   | 24.72  | 682    | 29.18  |
| 54702 | 3200 | 642      | 20.91  | 650     | 22.18  | 662    | 24.13  | 676     | 26.61  | 690   | 28.90  | 716    | 33.47  |
| 58120 | 3400 | 680      | 24.85  | 690     | 26.41  | 703    | 28.87  | 713     | 30.91  | 725   | 33.20  | 751    | 38.22  |
| 61539 | 3600 | 721      | 29.62  | 728     | 30.86  | 739    | 33.25  | 752     | 35.99  | 765   | 38.68  | 786    | 43.31  |
| 64958 | 3800 | 761      | 34.76  | 765     | 35.70  | 779    | 38.76  | 790     | 41.41  | 801   | 43.90  | 823    | 49.27  |
| 68377 | 4000 | 800      | 40.38  | 804     | 41.16  | 816    | 44.12  | 828     | 47.22  | 839   | 50.08  | 860    | 55.82  |
| 71796 | 4200 | 838      | 46.41  | 843     | 47.44  | 855    | 50.75  | 867     | 54.11  | 877   | 57.09  | 896    | 62.66  |
| 75215 | 4400 | 879      | 53.51  | 883     | 54.52  | 895    | 58.04  | 905     | 61.01  | 915   | 64.16  | 935    | 70.62  |
|       |      |          |        |         |        |        |        |         |        |       |        |        |        |
|       |      | 2 SP     |        | 2.5 SP  |        | 3 SP   |        | 3.5 SP  |        | 4 SP  |        | 4.5 SP |        |
| CFM   | CV   | RPM      | BHP    | RPM     | BHP    | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 20513 | 1200 | 448      | 8.12   |         |        |        |        |         |        |       |        |        |        |
| 23932 | 1400 | 466      | 9.55   | 505     | 11.81  |        |        |         |        |       |        |        |        |
| 27351 | 1600 | 495      | 11.81  | 526     | 13.77  | 559    | 16.21  | 592     | 18.75  |       |        |        |        |
| 30769 | 1800 | 523      | 14.15  | 554     | 16.15  | 583    | 18.94  | 610     | 21.24  | 642   | 24.34  | 671    | 27.31  |
| 34188 | 2000 | 551      | 16.55  | 582     | 19.49  | 611    | 22.31  | 641     | 25.47  | 662   | 27.41  | 687    | 30.29  |
| 37607 | 2200 | 581      | 19.22  | 609     | 22.35  | 639    | 25.79  | 664     | 28.66  | 690   | 31.79  | 714    | 34.79  |
| 41026 | 2400 | 611      | 22.09  | 641     | 25.91  | 667    | 29.38  | 695     | 33.22  | 718   | 36.42  | 742    | 39.80  |
| 44445 | 2600 | 642      | 25.27  | 670     | 29.18  | 698    | 33.46  | 720     | 36.96  | 746   | 41.11  | 773    | 45.56  |
| 47864 | 2800 | 676      | 29.16  | 703     | 33.29  | 727    | 37.50  | 752     | 41.84  | 773   | 45.74  | 796    | 49.95  |
| 51283 | 3000 | 708      | 33.21  | 730     | 37.03  | 759    | 42.22  | 783     | 46.85  | 806   | 51.52  | 825    | 55.61  |
| 54702 | 3200 | 743      | 38.06  | 768     | 42.76  | 790    | 46.93  | 815     | 52.31  | 835   | 56.82  | 857    | 61.93  |
| 58120 | 3400 | 778      | 43.39  | 800     | 47.88  | 823    | 52.71  | 845     | 57.53  | 866   | 62.86  | 888    | 68.34  |
| 61539 | 3600 | 811      | 48.94  | 833     | 53.63  | 857    | 59.26  | 878     | 64.27  | 898   | 69.40  | 918    | 74.88  |
| 64958 | 3800 | 845      | 54.59  | 868     | 60.27  | 890    | 65.87  | 910     | 71.13  | 928   | 76.01  | 949    | 88.01  |
| 68377 | 4000 | 881      | 61.26  | 902     | 67.28  | 919    | 72.02  | 941     | 77.99  | 960   | 83.51  | 972    | 87.42  |
| 71796 | 4200 | 915      | 68.02  | 938     | 75.13  | 957    | 80.63  | 976     | 86.72  | 996   | 92.79  | 1012   | 97.84  |
| 75215 | 4400 | 953      | 76.71  | 972     | 82.87  | 992    | 89.49  | 1010    | 95.61  | 1027  | 101.21 | 1048   | 108.47 |
|       |      |          |        |         |        |        |        |         |        |       |        |        |        |
|       |      | 5 SP     |        | 6 SP    |        | 8 SP   |        | 10 SP   |        | 12 SP |        | 14 SP  |        |
| CFM   | OV   | RPM      | BHP    | RPM     | BHP    | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 34188 | 2000 | 717      | 33.97  |         |        |        |        |         |        |       |        |        |        |
| 37607 | 2200 | 735      | 37.42  | 785     | 44.50  |        |        |         |        |       |        |        |        |
| 41026 | 2400 | 764      | 43.02  | 805     | 49.16  |        |        |         |        |       |        |        |        |
| 44445 | 2600 | 790      | 48.19  | 832     | 55.28  | 911    | 70.16  |         |        |       |        |        |        |
| 47864 | 2800 | 820      | 54.47  | 860     | 62.08  | 934    | 76.91  | 1010    | 94.62  |       |        |        |        |
| 51283 | 3000 | 847      | 60.18  | 888     | 68.62  | 960    | 84.93  | 1029    | 101.98 | 1099  | 120.63 |        |        |
| 54702 | 3200 | 877      | 66.75  | 915     | 75.87  | 987    | 93.53  | 1053    | 110.40 | 1118  | 129.68 | 1184   | 150.04 |
| 58120 | 3400 | 906      | 73.17  | 941     | 82.52  | 1015   | 102.89 | 1082    | 122.41 | 1139  | 139.01 | 1205   | 162.37 |
| 61539 | 3600 | 937      | 80.29  | 973     | 90.79  | 1045   | 112.74 | 1108    | 132.76 | 1167  | 151.55 | 1222   | 170.80 |
| 64958 | 3800 | 968      | 87.80  | 1004    | 99.01  | 1070   | 121.32 | 1135    | 143.87 | 1190  | 162.45 | 1248   | 183.95 |
| 68377 | 4000 | 999      | 95.55  | 1034    | 107.72 | 1102   | 132.43 | 1163    | 155.41 | 1221  | 177.66 | 1277   | 200.24 |
| 71796 | 4200 | 1031     | 104.33 | 1067    | 117.49 | 1130   | 142.21 | 1190    | 166.89 | 1248  | 191.26 | 1304   | 215.88 |
| 75215 | 4400 | 1065     | 114.12 | 1098    | 126.86 | 1160   | 152.84 | 1220    | 179.84 | 1276  | 205.09 | 1332   | 231.78 |

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

# SIZE 600

## SWSI TYPE PBA CENTRIFUGAL FAN

INTAKE AREA = 21.648 S. F. OUTLET AREA = 21.097 S. F. WHEEL DIAMETER = 60"

TIP SPEED FPM = 15.70 x RPM MAX. BHP = 230 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

|       |      | 0.125 SP |        | 0.25 SP |        | 0.5 SP |        | 0.75 SP |        | 1 SP  |        | 1.5 SP |        |
|-------|------|----------|--------|---------|--------|--------|--------|---------|--------|-------|--------|--------|--------|
| CFM   | OV   | RPM      | BHP    | RPM     | BHP    | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 12658 | 600  | 138      | 0.43   | 162     | 0.71   | 202    | 1.27   |         |        |       |        |        |        |
| 16877 | 800  | 167      | 0.73   | 188     | 1.09   | 223    | 1.83   | 253     | 2.54   |       |        |        |        |
| 21097 | 1000 | 199      | 1.19   | 217     | 1.63   | 248    | 2.54   | 274     | 3.39   | 300   | 4.34   |        |        |
| 25316 | 1200 | 230      | 1.78   | 247     | 2.34   | 275    | 3.39   | 301     | 4.56   | 323   | 5.61   | 365    | 7.77   |
| 29535 | 1400 | 263      | 2.61   | 279     | 3.29   | 304    | 4.49   | 328     | 5.80   | 349   | 7.11   | 387    | 9.55   |
| 33755 | 1600 | 296      | 3.63   | 309     | 4.37   | 335    | 5.88   | 355     | 7.23   | 375   | 8.69   | 411    | 11.64  |
| 37974 | 1800 | 332      | 5.04   | 341     | 5.74   | 365    | 7.47   | 386     | 9.11   | 404   | 10.71  | 438    | 13.98  |
| 42194 | 2000 | 365      | 6.61   | 376     | 7.61   | 397    | 9.47   | 415     | 11.15  | 434   | 13.05  | 464    | 16.42  |
| 46413 | 2200 | 400      | 8.70   | 410     | 9.70   | 426    | 11.50  | 445     | 16.50  | 462   | 14.67  | 494    | 19.58  |
| 50632 | 2400 | 436      | 11.07  | 443     | 12.10  | 460    | 14.25  | 477     | 16.32  | 492   | 17.58  | 523    | 22.89  |
| 54852 | 2600 | 468      | 13.69  | 477     | 14.93  | 494    | 17.55  | 507     | 19.70  | 524   | 22.10  | 554    | 26.93  |
| 59071 | 2800 | 504      | 17.05  | 511     | 18.36  | 527    | 21.08  | 541     | 23.37  | 555   | 25.93  | 583    | 30.99  |
| 63291 | 3000 | 539      | 20.80  | 545     | 22.02  | 559    | 24.73  | 574     | 27.38  | 589   | 30.60  | 612    | 35.58  |
| 67510 | 3200 | 572      | 23.88  | 579     | 26.17  | 591    | 29.06  | 608     | 32.54  | 618   | 34.93  | 641    | 40.45  |
| 71729 | 3400 | 607      | 29.52  | 613     | 30.96  | 627    | 34.41  | 639     | 37.57  | 650   | 40.42  | 675    | 46.75  |
| 75949 | 3600 | 643      | 34.88  | 648     | 36.57  | 659    | 39.49  | 673     | 45.85  | 683   | 46.39  | 709    | 53.89  |
| 80168 | 3800 | 678      | 41.02  | 684     | 42.75  | 694    | 45.99  | 704     | 49.68  | 716   | 53.15  | 739    | 60.05  |
| 84388 | 4000 | 715      | 48.10  | 717     | 49.25  | 728    | 53.09  | 738     | 57.24  | 749   | 60.34  | 772    | 68.09  |
| 88607 | 4200 | 747      | 54.69  | 751     | 56.25  | 762    | 60.53  | 772     | 64.05  | 783   | 67.97  | 802    | 75.52  |
| 92826 | 4400 | 782      | 62.74  | 785     | 64.24  | 798    | 69.11  | 807     | 72.32  | 815   | 76.22  | 835    | 84.77  |
|       |      | 2 SP     |        | 2.5 SP  |        | 3 SP   |        | 3.5 SP  |        | 4 SP  |        | 4.5 SP |        |
| CFM   | CV   | RPM      | BHP    | RPM     | BHP    | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 25316 | 1200 | 404      | 10.13  |         |        |        |        |         |        |       |        |        |        |
| 29535 | 1400 | 424      | 12.26  | 457     | 14.81  |        |        |         |        |       |        |        |        |
| 33755 | 1600 | 447      | 14.73  | 479     | 17.76  | 508    | 20.66  | 536     | 23.65  |       |        |        |        |
| 37974 | 1800 | 469      | 17.25  | 499     | 20.48  | 527    | 23.71  | 555     | 27.22  | 581   | 30.67  | 607    | 34.35  |
| 42194 | 2000 | 496      | 20.40  | 525     | 24.23  | 550    | 27.43  | 576     | 31.19  | 603   | 35.29  | 623    | 38.26  |
| 46413 | 2200 | 522      | 23.46  | 548     | 27.52  | 575    | 31.79  | 599     | 35.59  | 622   | 39.47  | 644    | 43.16  |
| 50632 | 2400 | 548      | 26.90  | 575     | 31.48  | 601    | 36.30  | 623     | 40.43  | 647   | 45.07  | 667    | 48.90  |
| 54852 | 2600 | 578      | 31.20  | 600     | 35.48  | 626    | 40.72  | 649     | 45.71  | 670   | 50.41  | 693    | 55.38  |
| 59071 | 2800 | 608      | 35.96  | 631     | 40.90  | 653    | 45.78  | 674     | 50.90  | 697   | 56.62  | 717    | 61.87  |
| 63291 | 3000 | 639      | 41.33  | 663     | 46.75  | 684    | 52.23  | 701     | 56.71  | 722   | 62.48  | 743    | 68.58  |
| 67510 | 3200 | 666      | 46.32  | 691     | 52.53  | 711    | 58.08  | 732     | 64.01  | 749   | 69.21  | 769    | 75.49  |
| 71729 | 3400 | 697      | 52.55  | 718     | 58.63  | 740    | 65.84  | 761     | 71.32  | 778   | 76.85  | 795    | 82.60  |
| 75949 | 3600 | 728      | 59.26  | 746     | 65.10  | 770    | 72.31  | 789     | 78.78  | 809   | 85.77  | 825    | 91.64  |
| 80168 | 3800 | 759      | 66.46  | 777     | 72.80  | 798    | 79.88  | 818     | 87.14  | 838   | 94.63  | 854    | 101.15 |
| 84388 | 4000 | 790      | 78.61  | 808     | 81.03  | 827    | 88.33  | 847     | 96.25  | 866   | 103.65 | 884    | 111.52 |
| 88607 | 4200 | 824      | 83.92  | 839     | 90.15  | 858    | 97.93  | 876     | 105.40 | 897   | 114.32 | 912    | 121.25 |
| 92826 | 4400 | 855      | 93.00  | 872     | 100.78 | 890    | 108.57 | 908     | 116.78 | 925   | 124.10 | 940    | 131.63 |
|       |      | 5 SP     |        | 6 SP    |        | 8 SP   |        | 10 SP   |        | 12 SP |        | 14 SP  |        |
| CFM   | OV   | RPM      | BHP    | RPM     | BHP    | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 42194 | 2000 | 650      | 42.95  |         |        |        |        |         |        |       |        |        |        |
| 46413 | 2200 | 668      | 47.69  | 711     | 56.07  |        |        |         |        |       |        |        |        |
| 50632 | 2400 | 688      | 53.12  | 729     | 61.86  |        |        |         |        |       |        |        |        |
| 54852 | 2600 | 711      | 59.35  | 752     | 69.40  | 828    | 89.01  |         |        |       |        |        |        |
| 59071 | 2800 | 738      | 67.21  | 774     | 76.42  | 846    | 96.98  | 918     | 120.81 |       |        |        |        |
| 63291 | 3000 | 762      | 74.19  | 797     | 84.24  | 867    | 106.10 | 933     | 128.65 | 995   | 151.31 |        |        |
| 67510 | 3200 | 787      | 81.50  | 825     | 94.20  | 890    | 116.18 | 952     | 139.29 | 1013  | 163.00 | 1069   | 186.86 |
| 71729 | 3400 | 815      | 89.65  | 849     | 102.71 | 914    | 127.06 | 977     | 152.20 | 1032  | 175.68 | 1091   | 205.18 |
| 75949 | 3600 | 841      | 97.84  | 877     | 112.13 | 940    | 138.87 | 1000    | 164.80 | 1055  | 189.76 | 1112   | 219.24 |
| 80168 | 3800 | 869      | 107.10 | 903     | 121.64 | 967    | 151.55 | 1024    | 178.67 | 1079  | 206.20 | 1129   | 232.32 |
| 84388 | 4000 | 901      | 119.25 | 931     | 132.47 | 991    | 162.10 | 1046    | 191.35 | 1102  | 221.40 | 1154   | 250.81 |
| 88607 | 4200 | 930      | 129.86 | 957     | 143.04 | 1018   | 175.13 | 1070    | 205.32 | 1125  | 236.93 | 1173   | 265.34 |
| 92826 | 4400 | 959      | 141.12 | 988     | 156.62 | 1042   | 186.54 | 1098    | 221.33 | 1150  | 254.29 | 1197   | 284.02 |

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

# SIZE 660

## SWSI TYPE PBA CENTRIFUGAL FAN

INTAKE AREA = 26.156 S. F. OUTLET AREA = 25.0 S. F. WHEEL DIAMETER = 66"

TIP SPEED FPM = 17.28 x RPM MAX. BHP = 370 (RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA, CLASS III / BOTTOM SHADED AREA, CLASS IV

|        |      | 0.125 SP |        | 0.25 SP |        | 0.5 SP |        | 0.75 SP |        | 1 SP  |        | 1.5 SP |        |
|--------|------|----------|--------|---------|--------|--------|--------|---------|--------|-------|--------|--------|--------|
| CFM    | OV   | RPM      | BHP    | RPM     | BHP    | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 15312  | 600  | 125      | 0.51   | 147     | 0.85   |        |        |         |        |       |        |        |        |
| 20416  | 800  | 152      | 0.88   | 171     | 1.32   | 202    | 2.18   | 231     | 3.09   |       |        |        |        |
| 25520  | 1000 | 180      | 1.42   | 195     | 1.91   | 225    | 3.07   | 250     | 4.15   | 272   | 5.16   |        |        |
| 30624  | 1200 | 210      | 2.19   | 225     | 2.85   | 251    | 4.16   | 273     | 5.48   | 294   | 6.81   | 332    | 9.33   |
| 35728  | 1400 | 240      | 3.19   | 252     | 3.92   | 277    | 5.47   | 298     | 6.70   | 316   | 8.50   | 352    | 11.57  |
| 40832  | 1600 | 271      | 4.51   | 282     | 5.36   | 304    | 7.07   | 323     | 8.76   | 342   | 10.62  | 374    | 14.10  |
| 45936  | 1800 | 303      | 6.23   | 313     | 7.18   | 332    | 9.07   | 351     | 11.72  | 368   | 12.99  | 399    | 17.07  |
| 51040  | 2000 | 333      | 8.16   | 343     | 9.29   | 360    | 11.42  | 377     | 13.50  | 394   | 15.70  | 424    | 20.23  |
| 56144  | 2200 | 366      | 10.76  | 374     | 11.88  | 390    | 14.33  | 406     | 16.59  | 422   | 19.00  | 450    | 23.81  |
| 61248  | 2400 | 397      | 13.61  | 405     | 14.93  | 420    | 17.53  | 434     | 20.07  | 449   | 22.66  | 476    | 27.78  |
| 66352  | 2600 | 429      | 17.18  | 436     | 18.50  | 450    | 21.28  | 463     | 24.05  | 477   | 26.82  | 503    | 32.37  |
| 71456  | 2800 | 461      | 21.17  | 467     | 22.50  | 481    | 25.73  | 493     | 28.66  | 505   | 31.63  | 531    | 37.73  |
| 76560  | 3000 | 493      | 25.89  | 500     | 27.58  | 511    | 30.42  | 523     | 33.67  | 534   | 36.80  | 559    | 43.59  |
| 81664  | 3200 | 525      | 31.23  | 531     | 32.81  | 543    | 36.31  | 554     | 39.72  | 564   | 42.91  | 581    | 48.63  |
| 86768  | 3400 | 557      | 37.18  | 562     | 38.62  | 573    | 42.29  | 584     | 46.17  | 594   | 49.60  | 613    | 56.57  |
| 91872  | 3600 | 589      | 43.80  | 594     | 45.60  | 605    | 49.42  | 614     | 53.14  | 625   | 57.22  | 643    | 64.65  |
| 96976  | 3800 | 621      | 51.30  | 627     | 53.59  | 637    | 57.38  | 646     | 61.25  | 655   | 65.19  | 673    | 73.64  |
| 102080 | 4000 | 654      | 59.75  | 659     | 62.04  | 668    | 65.93  | 677     | 70.05  | 687   | 74.70  | 703    | 82.82  |
| 107184 | 4200 | 686      | 68.95  | 692     | 71.57  | 700    | 75.84  | 708     | 79.78  | 717   | 84.27  | 733    | 92.94  |
| 112288 | 4400 | 718      | 79.06  | 723     | 81.63  | 731    | 85.78  | 740     | 90.67  | 749   | 95.46  | 764    | 104.53 |
|        |      |          |        |         |        |        |        |         |        |       |        |        |        |
|        |      | 2 SP     |        | 2.5 SP  |        | 3 SP   |        | 3.5 SP  |        | 4 SP  |        | 4.5 SP |        |
| CFM    | CV   | RPM      | BHP    | RPM     | BHP    | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 30624  | 1200 | 369      | 12.34  |         |        |        |        |         |        |       |        |        |        |
| 35728  | 1400 | 384      | 14.51  | 417     | 18.01  |        |        |         |        |       |        |        |        |
| 40832  | 1600 | 405      | 17.60  | 432     | 20.77  | 462    | 24.85  | 489     | 28.76  |       |        |        |        |
| 45936  | 1800 | 427      | 20.98  | 454     | 24.78  | 478    | 28.30  | 505     | 32.71  | 528   | 36.71  | 553    | 41.60  |
| 51040  | 2000 | 450      | 24.55  | 476     | 29.07  | 500    | 33.20  | 523     | 37.42  | 544   | 41.34  | 568    | 46.32  |
| 56144  | 2200 | 476      | 28.73  | 500     | 33.70  | 522    | 38.24  | 545     | 43.18  | 566   | 47.72  | 584    | 51.62  |
| 61248  | 2400 | 501      | 33.14  | 524     | 38.56  | 546    | 43.88  | 568     | 49.40  | 588   | 54.48  | 607    | 59.22  |
| 66352  | 2600 | 527      | 38.11  | 549     | 43.81  | 571    | 49.89  | 591     | 55.65  | 609   | 60.89  | 629    | 66.89  |
| 71456  | 2800 | 554      | 43.77  | 575     | 49.80  | 595    | 55.94  | 615     | 62.34  | 633   | 68.38  | 652    | 74.72  |
| 76560  | 3000 | 581      | 49.89  | 602     | 56.51  | 621    | 63.03  | 640     | 69.62  | 658   | 76.35  | 677    | 82.65  |
| 81664  | 3200 | 608      | 56.72  | 628     | 63.42  | 648    | 70.57  | 666     | 77.75  | 684   | 85.25  | 700    | 91.92  |
| 86768  | 3400 | 636      | 64.41  | 655     | 71.44  | 674    | 78.87  | 692     | 86.42  | 709   | 93.80  | 726    | 101.63 |
| 91872  | 3600 | 664      | 72.60  | 683     | 80.29  | 701    | 87.90  | 718     | 95.40  | 736   | 103.97 | 752    | 112.09 |
| 96976  | 3800 | 692      | 81.65  | 711     | 90.00  | 728    | 97.84  | 744     | 105.42 | 762   | 114.61 | 777    | 122.71 |
| 102080 | 4000 | 720      | 91.37  | 739     | 100.41 | 756    | 108.88 | 771     | 116.60 | 788   | 125.96 | 804    | 134.71 |
| 107184 | 4200 | 748      | 102.11 | 767     | 111.54 | 784    | 120.66 | 799     | 128.94 | 815   | 137.93 | 831    | 147.73 |
| 112288 | 4400 | 779      | 114.13 | 795     | 123.40 | 811    | 132.71 | 827     | 141.85 | 843   | 151.92 | 858    | 161.54 |
|        |      |          |        |         |        |        |        |         |        |       |        |        |        |
|        |      | 5 SP     |        | 6 SP    |        | 8 SP   |        | 10 SP   |        | 12 SP |        | 14 SP  |        |
| CFM    | OV   | RPM      | BHP    | RPM     | BHP    | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 51040  | 2000 | 591      | 51.49  |         |        |        |        |         |        |       |        |        |        |
| 56144  | 2200 | 606      | 56.83  | 648     | 67.91  |        |        |         |        |       |        |        |        |
| 61248  | 2400 | 626      | 64.17  | 664     | 74.82  |        |        |         |        |       |        |        |        |
| 66352  | 2600 | 647      | 72.15  | 682     | 82.67  | 753    | 107.08 |         |        |       |        |        |        |
| 71456  | 2800 | 670      | 80.89  | 704     | 92.40  | 768    | 116.07 | 833     | 143.48 |       |        |        |        |
| 76560  | 3000 | 692      | 89.33  | 726     | 102.80 | 788    | 127.41 | 848     | 154.40 | 908   | 184.45 |        |        |
| 81664  | 3200 | 717      | 99.37  | 749     | 113.28 | 809    | 139.99 | 864     | 166.14 | 924   | 197.05 | 978    | 230.11 |
| 86768  | 3400 | 741      | 108.87 | 772     | 124.04 | 831    | 153.80 | 884     | 180.71 | 939   | 211.62 | 993    | 244.78 |
| 91872  | 3600 | 768      | 120.31 | 797     | 136.08 | 854    | 167.91 | 908     | 198.23 | 957   | 227.88 | 1009   | 260.91 |
| 96976  | 3800 | 793      | 131.25 | 823     | 148.99 | 876    | 181.23 | 929     | 214.87 | 979   | 246.21 | 1024   | 276.60 |
| 102080 | 4000 | 819      | 143.71 | 847     | 161.30 | 900    | 196.53 | 952     | 232.06 | 1000  | 265.60 | 1045   | 297.61 |
| 107184 | 4200 | 846      | 157.91 | 873     | 175.11 | 926    | 213.43 | 975     | 249.88 | 1021  | 285.66 | 1066   | 313.80 |
| 112288 | 4400 | 871      | 170.21 | 900     | 190.70 | 952    | 230.54 | 999     | 268.80 | 1046  | 308.26 | 1088   | 343.71 |

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream

# SIZE 730

## SWSI TYPE PBA CENTRIFUGAL FAN

INTAKE AREA = 31.193 S. F. OUTLET AREA = 31.28 S. F. WHEEL DIAMETER = 73"

TIP SPEED FPM = 19.11 x RPM MAX. BHP = 611.36 ( RPM/ 1000)cubed

TOP WHITE AREA, CLASS I / TOP SHADED AREA. CLASS II / BOTTOM WHITE AREA,  
CLASS III / BOTTOM SHADED AREA, CLASS IV

|        |      | 0.125 SP |        | 0.25 SP |        | 0.5 SP |        | 0.75 SP |        | 1 SP  |        | 1.5 SP |        |
|--------|------|----------|--------|---------|--------|--------|--------|---------|--------|-------|--------|--------|--------|
| CFM    | OV   | RPM      | BHP    | RPM     | BHP    | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 18768  | 600  | 113      | 0.63   | 133     | 1.04   |        |        |         |        |       |        |        |        |
| 25024  | 800  | 138      | 1.11   | 155     | 1.64   | 183    | 2.69   | 209     | 3.81   |       |        |        |        |
| 31281  | 1000 | 163      | 1.75   | 178     | 2.42   | 204    | 3.79   | 226     | 5.09   | 245   | 6.28   |        |        |
| 37537  | 1200 | 190      | 2.70   | 203     | 3.51   | 227    | 5.12   | 247     | 6.75   | 265   | 8.25   | 300    | 11.53  |
| 43793  | 1400 | 218      | 3.98   | 229     | 4.85   | 250    | 6.73   | 269     | 8.58   | 285   | 9.91   | 318    | 14.15  |
| 50049  | 1600 | 246      | 5.64   | 255     | 6.57   | 275    | 8.77   | 293     | 10.91  | 309   | 13.03  | 339    | 17.41  |
| 56305  | 1800 | 274      | 7.69   | 283     | 8.79   | 300    | 11.12  | 317     | 13.61  | 333   | 16.04  | 360    | 20.75  |
| 62562  | 2000 | 303      | 10.28  | 311     | 11.55  | 326    | 14.00  | 342     | 16.80  | 357   | 19.53  | 384    | 24.91  |
| 68818  | 2200 | 331      | 13.27  | 338     | 14.67  | 352    | 17.36  | 367     | 20.44  | 381   | 23.43  | 407    | 29.31  |
| 75074  | 2400 | 360      | 16.98  | 367     | 18.59  | 380    | 21.51  | 393     | 24.67  | 406   | 27.95  | 430    | 34.22  |
| 81330  | 2600 | 388      | 21.12  | 395     | 22.46  | 407    | 26.16  | 419     | 29.42  | 432   | 33.09  | 455    | 40.13  |
| 87586  | 2800 | 417      | 26.10  | 424     | 28.20  | 435    | 31.61  | 446     | 35.13  | 458   | 38.89  | 480    | 46.45  |
| 93843  | 3000 | 446      | 31.87  | 452     | 33.98  | 463    | 37.72  | 474     | 41.70  | 483   | 45.07  | 505    | 53.47  |
| 100099 | 3200 | 476      | 38.60  | 481     | 40.60  | 491    | 44.74  | 501     | 48.79  | 511   | 52.73  | 531    | 61.45  |
| 106355 | 3400 | 505      | 46.10  | 509     | 48.00  | 519    | 52.51  | 529     | 56.85  | 538   | 61.04  | 556    | 69.78  |
| 112611 | 3600 | 534      | 54.39  | 538     | 56.43  | 548    | 61.48  | 556     | 65.66  | 565   | 69.98  | 582    | 79.25  |
| 118867 | 3800 | 562      | 63.19  | 567     | 65.80  | 576    | 70.71  | 585     | 76.08  | 593   | 80.58  | 609    | 89.89  |
| 125120 | 4000 | 592      | 73.53  | 596     | 76.15  | 605    | 81.53  | 613     | 86.61  | 621   | 91.67  | 636    | 101.57 |
| 131380 | 4200 | 621      | 84.85  | 625     | 87.73  | 633    | 93.34  | 641     | 98.61  | 649   | 103.88 | 664    | 114.76 |
| 137636 | 4400 | 651      | 97.56  | 654     | 100.14 | 662    | 106.18 | 670     | 112.37 | 676   | 116.89 | 691    | 128.15 |
|        |      | 2 SP     |        | 2.5 SP  |        | 3 SP   |        | 3.5 SP  |        | 4 SP  |        | 4.5 SP |        |
| CFM    | CV   | RPM      | BHP    | RPM     | BHP    | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 37537  | 1200 | 335      | 15.34  |         |        |        |        |         |        |       |        |        |        |
| 43793  | 1400 | 347      | 17.85  | 378     | 22.34  |        |        |         |        |       |        |        |        |
| 50049  | 1600 | 366      | 21.56  | 390     | 25.53  | 418    | 30.65  | 444     | 35.71  |       |        |        |        |
| 56305  | 1800 | 386      | 25.63  | 410     | 30.33  | 432    | 34.89  | 456     | 40.20  |       |        |        |        |
| 62562  | 2000 | 408      | 30.32  | 430     | 35.43  | 452    | 40.78  | 472     | 45.76  | 493   | 51.43  | 515    | 57.59  |
| 68818  | 2200 | 430      | 35.17  | 452     | 41.30  | 473    | 47.20  | 492     | 52.59  | 511   | 58.39  | 529    | 64.13  |
| 75074  | 2400 | 453      | 40.72  | 474     | 47.28  | 494    | 53.96  | 513     | 60.21  | 531   | 66.39  | 549    | 72.67  |
| 81330  | 2600 | 477      | 47.06  | 498     | 54.34  | 516    | 61.00  | 534     | 68.16  | 552   | 75.08  | 569    | 81.79  |
| 87586  | 2800 | 501      | 55.08  | 521     | 61.60  | 539    | 68.90  | 557     | 76.73  | 573   | 84.06  | 589    | 91.30  |
| 93843  | 3000 | 525      | 61.64  | 544     | 69.55  | 562    | 77.39  | 580     | 85.93  | 596   | 94.00  | 611    | 101.91 |
| 100099 | 3200 | 550      | 70.14  | 569     | 78.85  | 586    | 87.25  | 603     | 95.77  | 619   | 104.64 | 634    | 113.15 |
| 106355 | 3400 | 575      | 79.39  | 592     | 87.97  | 610    | 97.69  | 627     | 107.08 | 642   | 115.67 | 657    | 125.12 |
| 112611 | 3600 | 600      | 88.99  | 618     | 99.51  | 635    | 109.38 | 650     | 118.53 | 666   | 128.33 | 681    | 138.33 |
| 118867 | 3800 | 626      | 100.09 | 643     | 111.02 | 659    | 121.35 | 675     | 131.63 | 690   | 141.92 | 703    | 151.20 |
| 125120 | 4000 | 652      | 111.98 | 668     | 123.28 | 684    | 134.41 | 699     | 145.08 | 713   | 155.72 | 727    | 166.30 |
| 131380 | 4200 | 678      | 124.67 | 694     | 136.91 | 709    | 148.26 | 724     | 160.00 | 738   | 171.55 | 751    | 182.13 |
| 137636 | 4400 | 704      | 138.87 | 720     | 151.69 | 734    | 163.24 | 749     | 175.81 | 763   | 188.34 | 775    | 199.23 |
|        |      | 5 SP     |        | 6 SP    |        | 8 SP   |        | 10 SP   |        | 12 SP |        | 14 SP  |        |
| CFM    | OV   | RPM      | BHP    | RPM     | BHP    | RPM    | BHP    | RPM     | BHP    | RPM   | BHP    | RPM    | BHP    |
| 62562  | 2000 |          |        |         |        |        |        |         |        |       |        |        |        |
| 68818  | 2200 |          |        |         |        |        |        |         |        |       |        |        |        |
| 75074  | 2400 | 565      | 78.57  | 600     | 92.10  | 671    | 123.26 | 740     | 157.06 |       |        |        |        |
| 81330  | 2600 | 585      | 88.25  | 617     | 102.03 | 682    | 132.67 | 745     | 165.60 | 810   | 205.69 |        |        |
| 87586  | 2800 | 606      | 99.08  | 636     | 113.19 | 695    | 143.63 | 757     | 179.42 | 815   | 215.67 |        |        |
| 93843  | 3000 | 626      | 109.61 | 657     | 125.92 | 712    | 156.79 | 769     | 192.09 | 825   | 230.22 | 878    | 263.97 |
| 100099 | 3200 | 649      | 121.92 | 677     | 138.46 | 732    | 172.17 | 781     | 205.03 | 837   | 246.28 | 887    | 284.73 |
| 106355 | 3400 | 671      | 134.14 | 698     | 152.02 | 752    | 188.41 | 800     | 223.23 | 850   | 262.85 | 901    | 304.86 |
| 112611 | 3600 | 694      | 147.61 | 721     | 166.86 | 772    | 205.02 | 820     | 242.60 | 864   | 278.89 | 910    | 319.21 |
| 118867 | 3800 | 718      | 162.12 | 744     | 182.19 | 793    | 223.09 | 840     | 262.69 | 884   | 301.47 | 925    | 341.27 |
| 125120 | 4000 | 741      | 176.91 | 767     | 198.54 | 815    | 241.66 | 861     | 284.67 | 904   | 325.65 | 945    | 367.61 |
| 131380 | 4200 | 764      | 193.18 | 790     | 215.48 | 837    | 260.63 | 882     | 306.84 | 924   | 350.27 | 965    | 394.46 |
| 137636 | 4400 | 788      | 210.60 | 814     | 234.73 | 860    | 281.24 | 903     | 329.28 | 944   | 374.85 | 984    | 421.12 |

Performance shown is for installation type B - Free inlet, Duct outlet

Power ratings (BHP) do not include drive losses

Performance ratings do not include the effects of appurtenances in the airstream