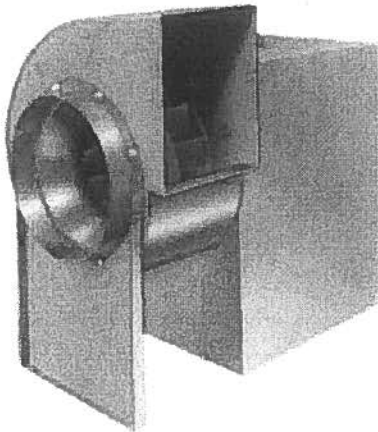


BI-FA UTILITY SET - GENERAL DUTY



- Air Volume: 2 - 18000 cfm
- Maximum SP: 9.5" wg. @ standard air density

FEATURES & BENEFITS

- Full AMCA CLASS 1 operation.
- Vented motor cover for weather protection.
- Standard top horizontal discharge.
- Discharge position can be easily rotated in 45° increments in the field.
- Available in CCW or CW rotation.
- Corrosion resistant enamel finish.

OPTIONS

- Back Draft Damper.
- Inlet & Outlet Guards.
- Heat Slinger.
- Shaft Seal.
- Emergency Disconnect Switch.
- Vibration Isolators.

CERTIFICATIONS

FloAire certifies that Models BI10FA thru BI27FA shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Rating Program.

Models BI10FA thru BI27FA are UL705 Listed.

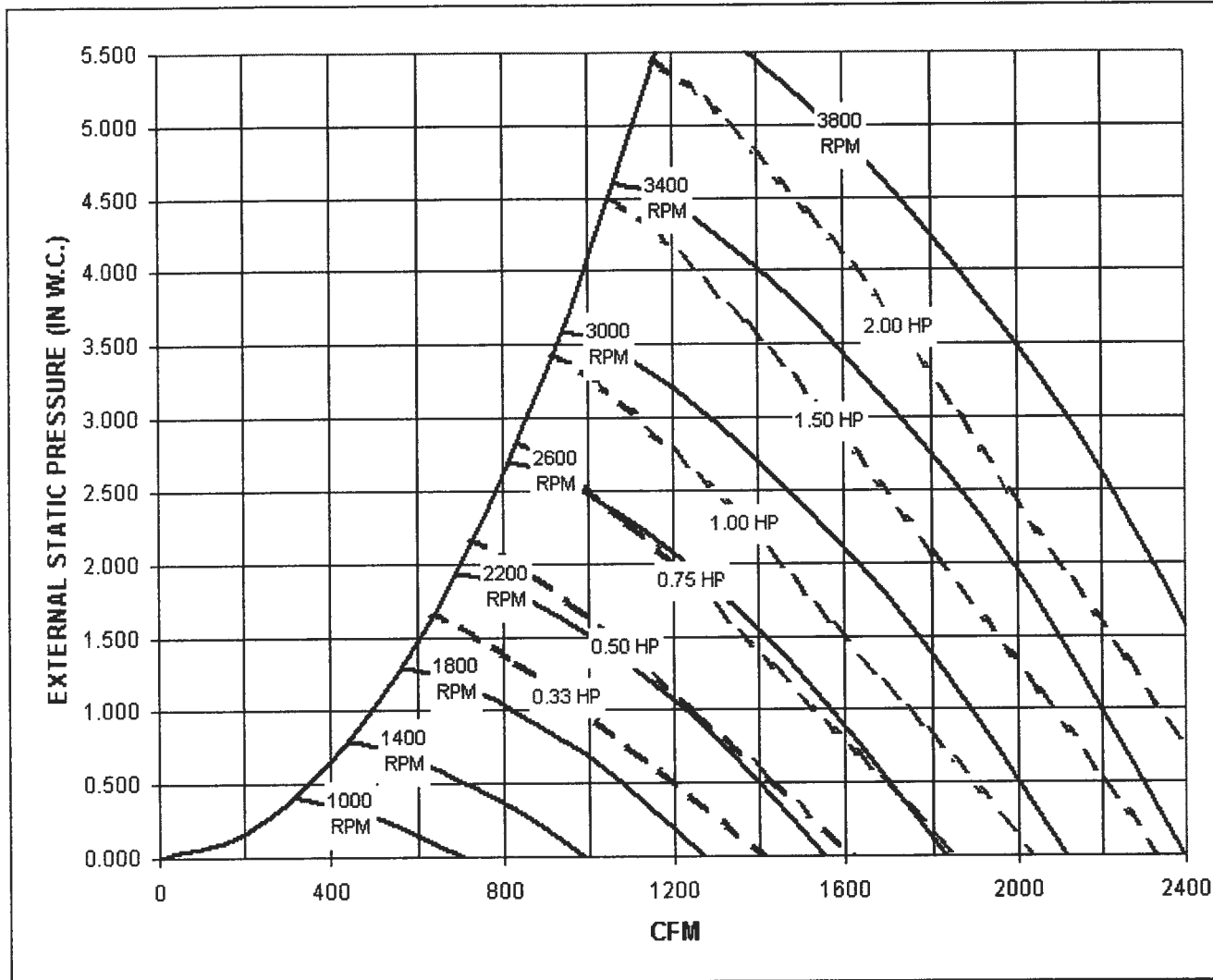


Catalog #109
July 2004

BI10FA Performance Table

| CFM | OV FPM | Static Pressure in Inches W.G. | | | | | | | | |
|------|-----------|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------|-------------------|-------------------|
| | | 0.000 | 0.500 | 1.000 | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 | 4.000 |
| | | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP |
| 800 | 1234 | 1138 6.3 / 0.06 | 1481 7.7 / 0.15 | 1778 10.1 / 0.24 | 2036 12.5 / 0.35 | 2273 14.8 / 0.48 | 2492 17.1 / 0.62 | | | |
| 1200 | 1852 | 1705 11.9 / 0.21 | 1945 12.4 / 0.33 | 2166 14.3 / 0.46 | 2376 16.2 / 0.60 | 2575 18.1 / 0.75 | 2759 19.9 / 0.90 | 2934 22 / 1.07 | 3101 24 / 1.25 | 3252 26 / 1.43 |
| 1600 | 2469 | 2273 18.7 / 0.49 | 2462 18.2 / 0.65 | 2632 19.6 / 0.82 | 2797 21 / 1.00 | 2963 23 / 1.19 | 3119 24 / 1.37 | 3272 26 / 1.56 | 3419 28 / 1.76 | 3556 29 / 1.95 |
| 2000 | 3086 | 2841 26 / 0.95 | 2994 25 / 1.15 | 3135 26 / 1.36 | 3273 27 / 1.58 | 3407 29 / 1.80 | | | | |
| 2400 | 3703 | 3409 34 / 1.64 | 3540 32 / 1.89 | | | | | | | |

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses. The AMCA Certified Ratings Seal applies to air performance ratings only.

BI10FA Performance Curve

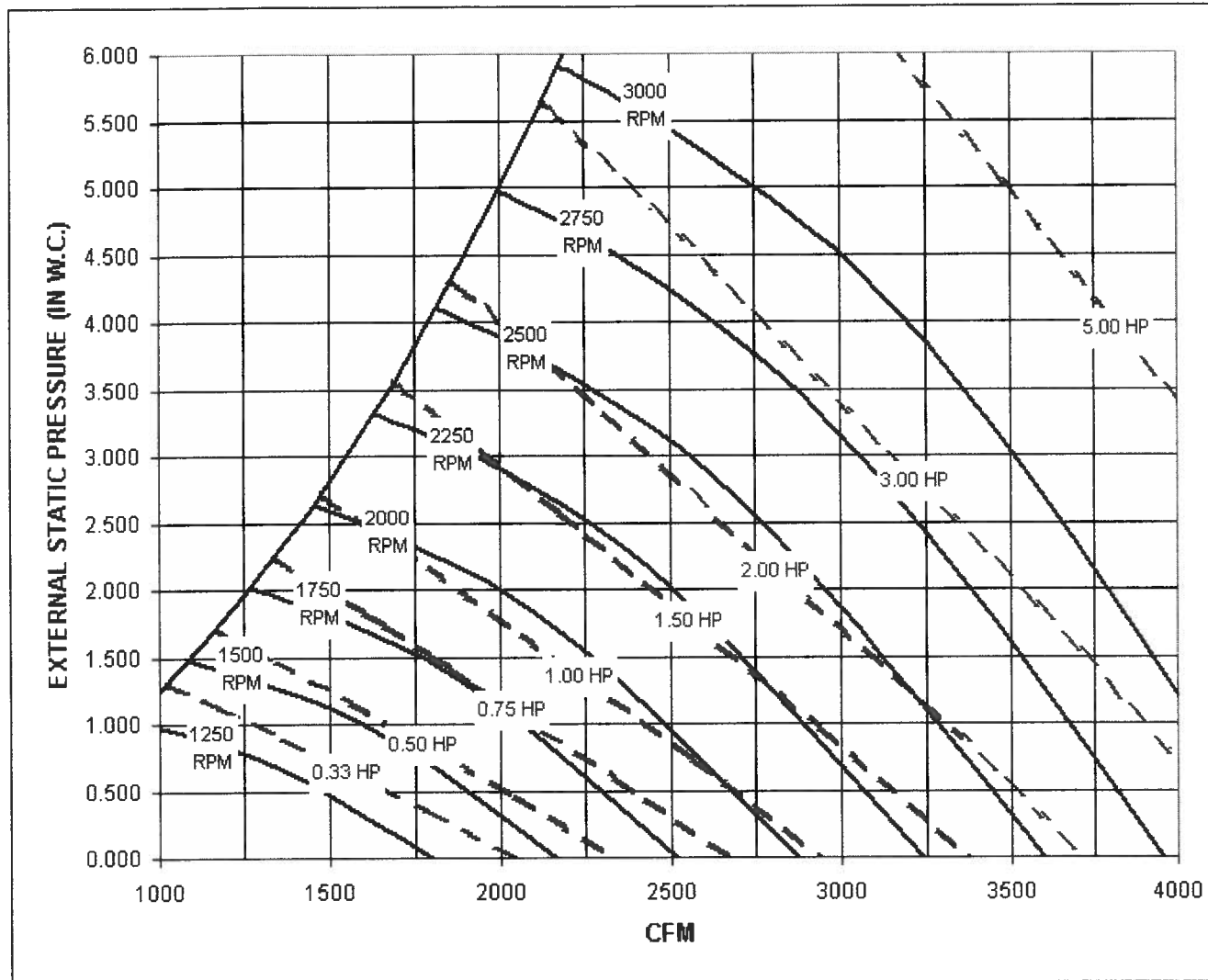
Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI13FA Performance Table

| CFM | OV FPM | Static Pressure in Inches W.G. | | | | | | | | |
|------|-----------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | 0.000 | 0.500 | 1.000 | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 | 4.000 |
| | | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP |
| 2000 | 1864 | 1390 / 0.31 | 1565 / 0.49 | 1715 / 0.69 | 1860 / 0.89 | 2002 / 1.09 | 2141 / 1.31 | 2275 / 1.52 | 2404 / 1.75 | 2528 / 1.99 |
| 2500 | 2330 | 1737 / 0.61 | 1884 / 0.83 | 2010 / 1.06 | 2129 / 1.31 | 2246 / 1.56 | 2361 / 1.81 | 2475 / 2.07 | 2585 / 2.33 | 2697 / 2.60 |
| 3000 | 2796 | 2085 / 1.06 | 2211 / 1.31 | 2322 / 1.59 | 2423 / 1.87 | 2523 / 2.16 | 2620 / 2.46 | 2717 / 2.76 | 2814 / 3.07 | 2910 / 3.38 |
| 3500 | 3261 | 2432 / 1.68 | 2544 / 1.98 | 2642 / 2.29 | 2732 / 2.61 | 2820 / 2.94 | 2907 / 3.29 | 2991 / 3.63 | | |
| 4000 | 3727 | 2780 / 2.51 | 2880 / 2.85 | 2967 / 3.20 | | | | | | |

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI13FA Performance Curve

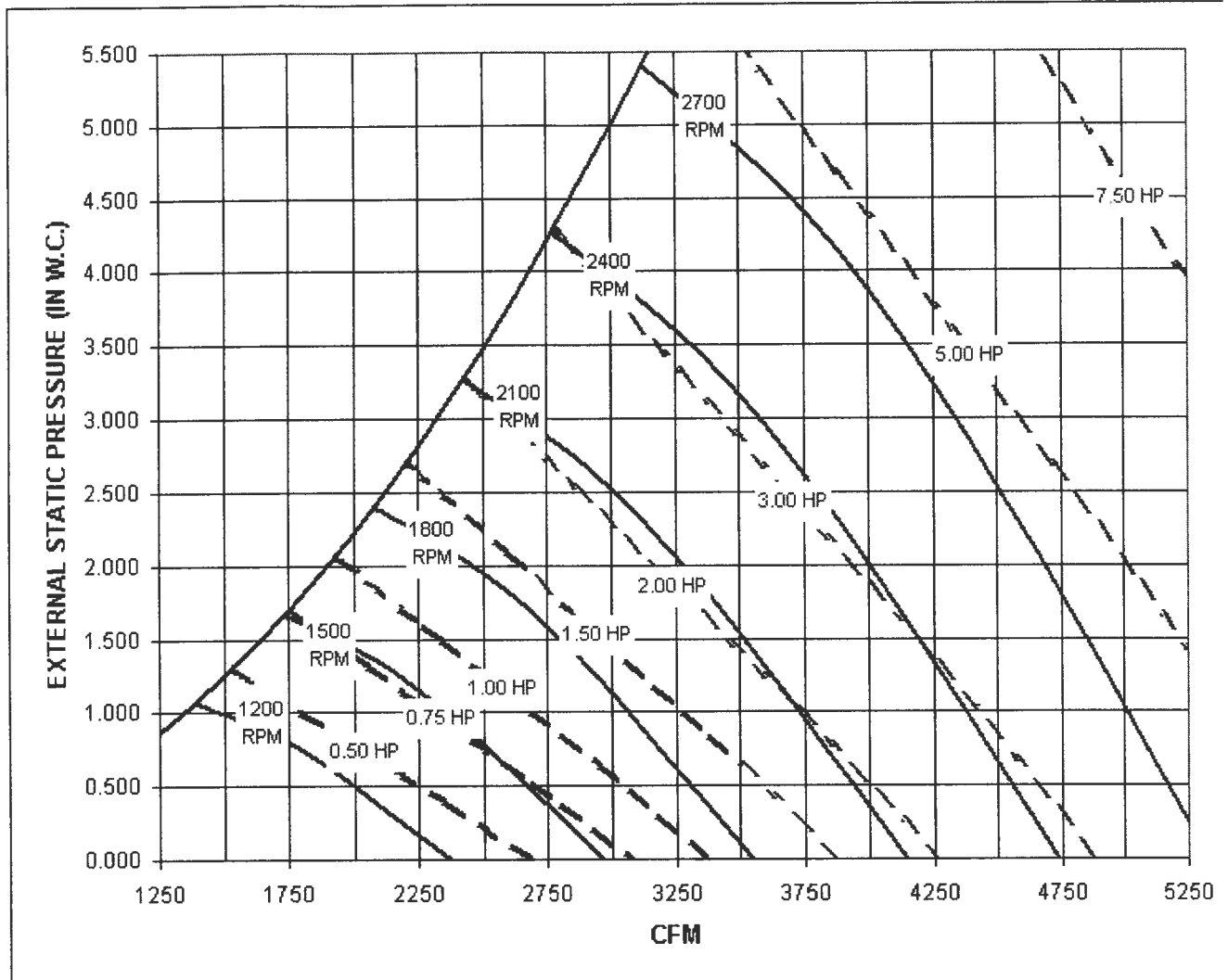


Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI15FA Performance Table

| CFM | OV FPM | Static Pressure in Inches W.G. | | | | | | | | |
|------|-----------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | 0.000 | 0.500 | 1.000 | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 | 4.000 |
| | | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP |
| 2750 | 2095 | 1393 / 0.54 | 1537 / 0.78 | 1663 / 1.04 | 1781 / 1.31 | 1897 / 1.59 | 2010 / 1.87 | 2122 / 2.16 | 2232 / 2.46 | 2340 / 2.78 |
| 3250 | 2476 | 1646 / 0.88 | 1771 / 1.16 | 1882 / 1.47 | 1985 / 1.78 | 2077 / 2.07 | 2184 / 2.43 | 2281 / 2.76 | 2377 / 3.10 | 2473 / 3.44 |
| 3750 | 2857 | 1900 / 1.36 | 2011 / 1.67 | 2109 / 2.01 | 2202 / 2.37 | 2291 / 2.74 | 2378 / 3.11 | 2464 / 3.48 | 2549 / 3.86 | 2633 / 4.24 |
| 4250 | 3238 | 2153 / 1.98 | 2252 / 2.33 | 2342 / 2.71 | 2426 / 3.10 | 2507 / 3.51 | 2587 / 3.93 | 2663 / 4.34 | | |
| 4750 | 3619 | 2406 / 2.76 | 2496 / 3.14 | 2579 / 3.56 | 2657 / 4.00 | | | | | |
| 5250 | 4000 | 2660 / 3.73 | | | | | | | | |

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI15FA Performance Curve

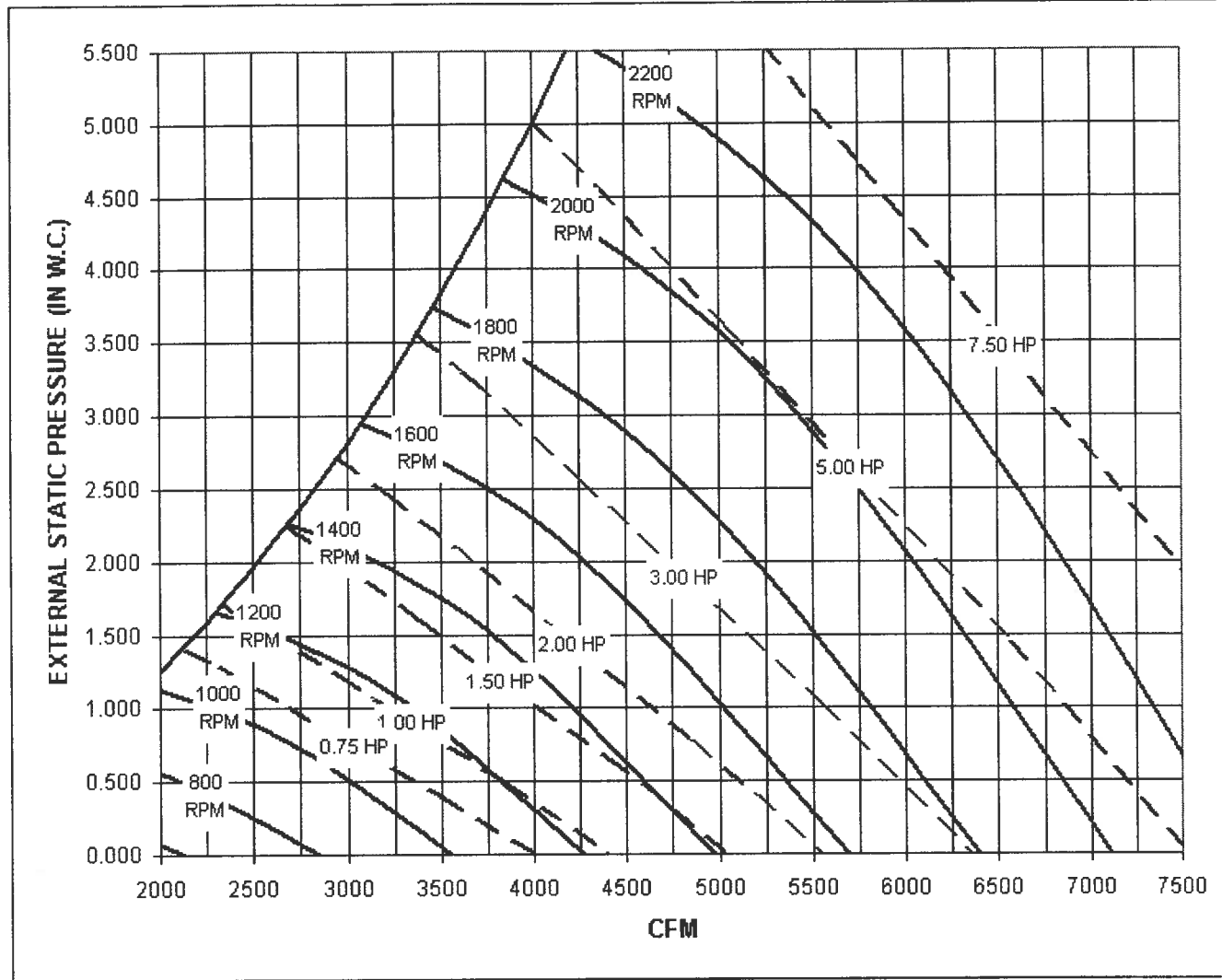
Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI18FA Performance Table

| CFM | OV FPM | Static Pressure in Inches W.G. | | | | | | | | |
|------|-----------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | 0.000 | 0.500 | 1.000 | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 | 4.000 |
| | | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP |
| 2000 | 1025 | 563 / 0.09 | 772 / 0.29 | 957 / 0.50 | | | | | | |
| 2500 | 1281 | 703 / 0.18 | 878 / 0.42 | 1032 / 0.67 | 1179 / 0.95 | | | | | |
| 3000 | 1538 | 844 / 0.32 | 995 / 0.59 | 1126 / 0.89 | 1253 / 1.20 | 1376 / 1.53 | 1493 / 1.87 | | | |
| 3500 | 1794 | 985 / 0.50 | 1119 / 0.82 | 1234 / 1.16 | 1345 / 1.51 | 1453 / 1.87 | 1559 / 2.25 | 1662 / 2.64 | 1760 / 3.06 | |
| 4000 | 2050 | 1125 / 0.75 | 1245 / 1.10 | 1350 / 1.49 | 1448 / 1.88 | 1544 / 2.28 | 1639 / 2.70 | 1733 / 3.12 | 1825 / 3.57 | 1914 / 4.02 |
| 4500 | 2307 | 1266 / 1.07 | 1375 / 1.46 | 1470 / 1.88 | 1560 / 2.32 | 1647 / 2.77 | 1732 / 3.22 | 1817 / 3.69 | 1900 / 4.16 | 1983 / 4.65 |
| 5000 | 2563 | 1406 / 1.47 | 1506 / 1.89 | 1594 / 2.36 | 1677 / 2.84 | 1756 / 3.33 | 1834 / 3.83 | 1911 / 4.34 | 1988 / 4.85 | 2064 / 5.37 |
| 5500 | 2819 | 1547 / 1.95 | 1639 / 2.42 | 1721 / 2.92 | 1797 / 3.45 | 1871 / 3.98 | 1943 / 4.52 | 2014 / 5.07 | 2084 / 5.62 | 2154 / 6.19 |
| 6000 | 3075 | 1687 / 2.54 | 1773 / 3.04 | 1850 / 3.58 | 1922 / 4.15 | 1991 / 4.73 | 2058 / 5.31 | 2123 / 5.90 | 2188 / 6.50 | |
| 6500 | 3332 | 1828 / 3.23 | 1908 / 3.76 | 1980 / 4.35 | 2048 / 4.95 | 2112 / 5.57 | 2175 / 6.20 | | | |
| 7000 | 3588 | 1969 / 4.03 | 2044 / 4.60 | 2112 / 5.22 | 2176 / 5.87 | | | | | |
| 7500 | 3844 | 2109 / 4.96 | 2180 / 5.57 | | | | | | | |

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI18FA Performance Curve

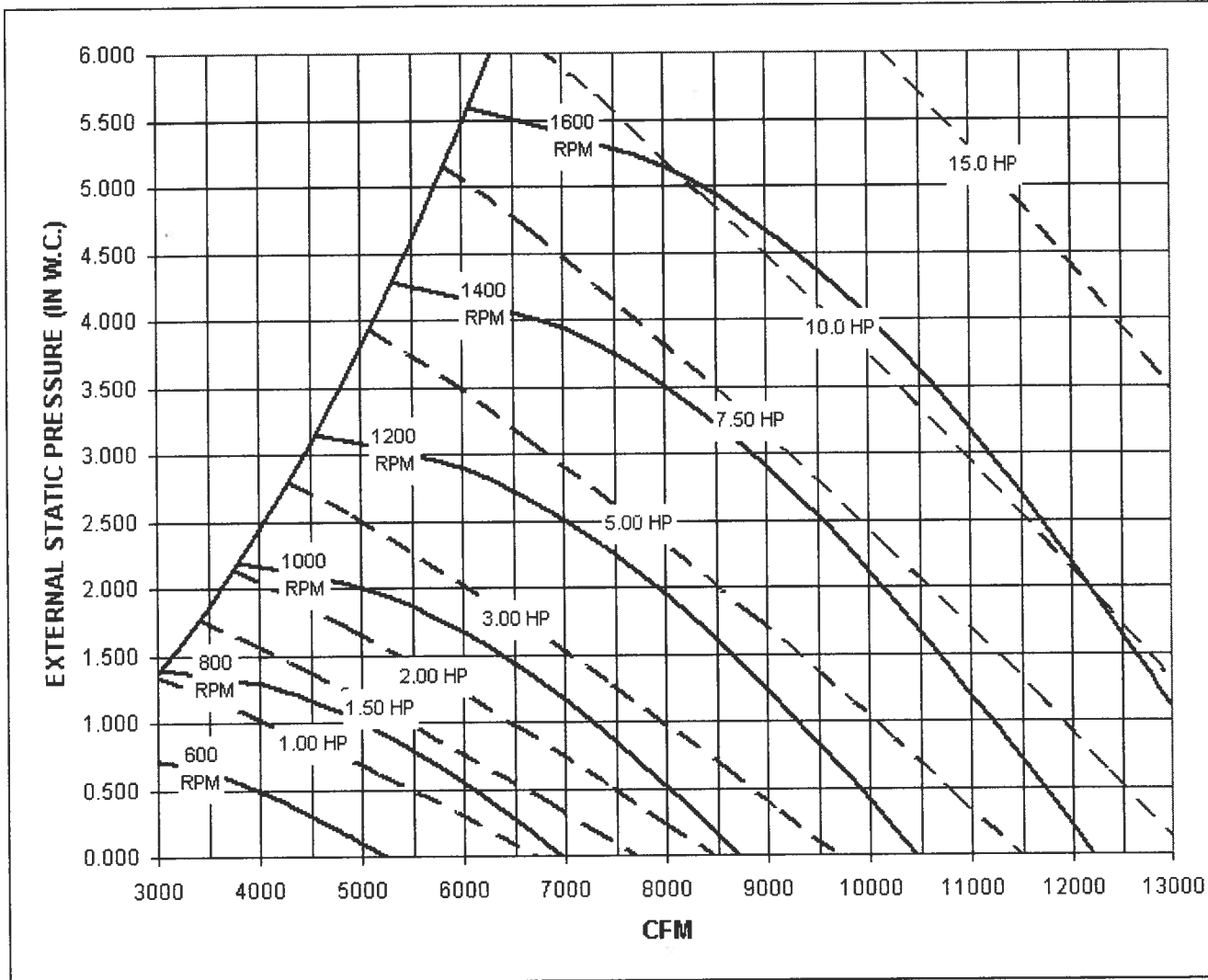


Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI24FA Performance Table

| CFM | OV FPM | Static Pressure in Inches W.G. | | | | | | | | |
|-------|-----------|--------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-----------|
| | | 0.000 | 0.500 | 1.000 | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 | 4.000 |
| | | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP |
| 5000 | 1429 | 574 / 0.41 | 694 / 0.84 | 799 / 1.32 | 900 / 1.84 | 998 / 2.41 | 1095 / 3.00 | 1191 / 3.62 | 1286 / 4.24 | |
| 6000 | 1715 | 689 / 0.72 | 791 / 1.22 | 883 / 1.76 | 969 / 2.35 | 1053 / 2.97 | 1136 / 3.64 | 1217 / 4.33 | 1298 / 5.04 | 1378 / 5 |
| 7000 | 2001 | 803 / 1.14 | 893 / 1.71 | 974 / 2.33 | 1051 / 2.98 | 1125 / 3.67 | 1197 / 4.39 | 1268 / 5.15 | 1338 / 5.93 | 1408 / 6 |
| 8000 | 2287 | 918 / 1.69 | 997 / 2.35 | 1071 / 3.04 | 1140 / 3.75 | 1206 / 4.51 | 1271 / 5.29 | 1335 / 6.11 | 1397 / 6.95 | 1459 / 7 |
| 9000 | 2573 | 1033 / 2.41 | 1104 / 3.15 | 1170 / 3.91 | 1234 / 4.70 | 1295 / 5.52 | 1354 / 6.36 | 1411 / 7.24 | 1468 / 8.15 | 1524 / 9 |
| 10000 | 2859 | 1147 / 3.31 | 1212 / 4.12 | 1273 / 4.96 | 1331 / 5.82 | 1387 / 6.71 | 1442 / 7.62 | 1495 / 8.57 | 1547 / 9.53 | 1598 / 10 |
| 11000 | 3144 | 1262 / 4.40 | 1321 / 5.30 | 1377 / 6.21 | 1431 / 7.15 | 1483 / 8.10 | 1534 / 9.09 | 1583 / 10.10 | | |
| 12000 | 3430 | 1377 / 5.72 | 1431 / 6.69 | 1483 / 7.69 | 1533 / 8.70 | 1582 / 9.73 | | | | |
| 13000 | 3716 | 1492 / 7.27 | 1542 / 8.32 | 1590 / 9.39 | | | | | | |

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

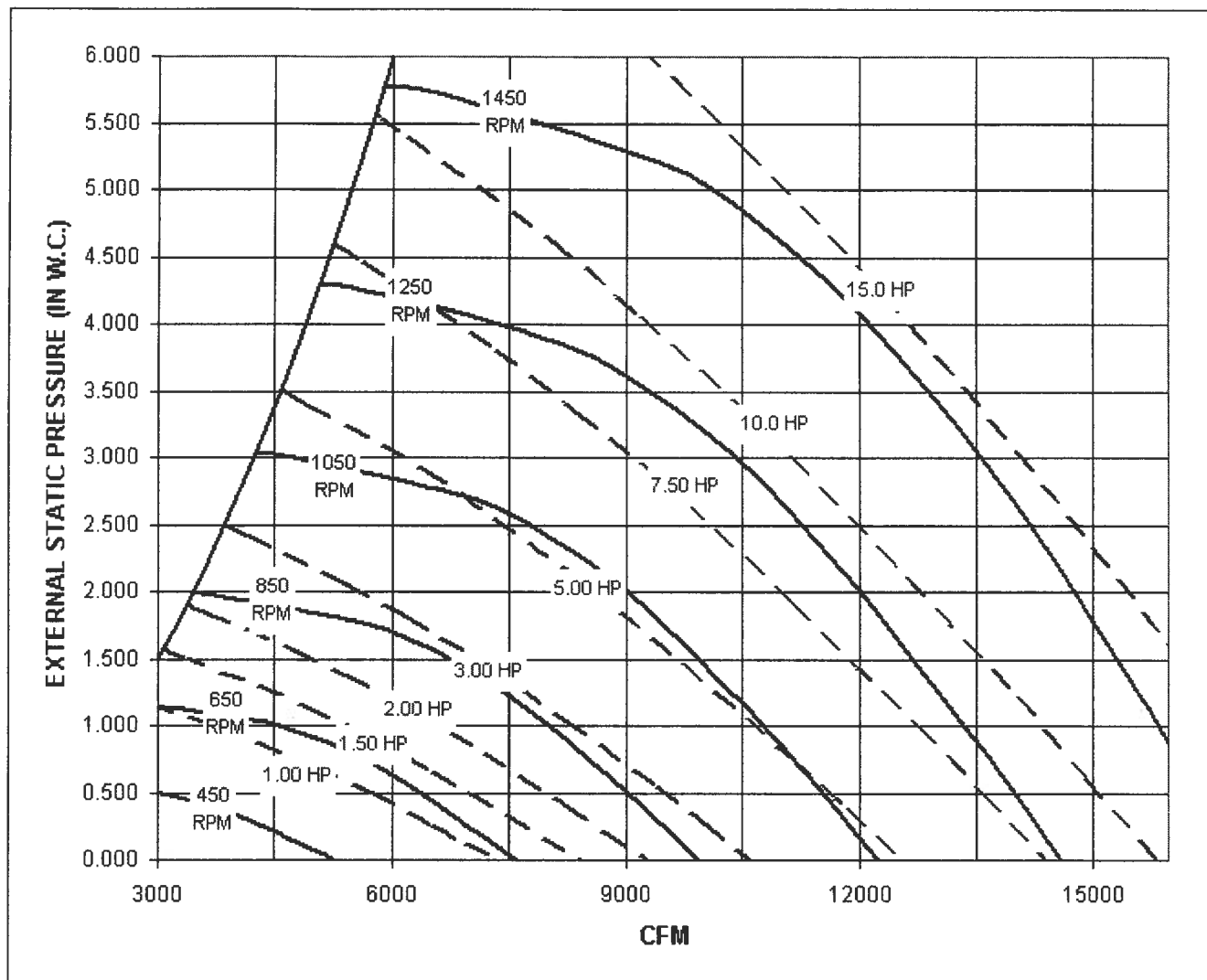
BI24FA Performance Curve

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI27FA Performance Table

| CFM | OV FPM | Static Pressure in Inches W.G. | | | | | | | |
|-------|-----------|--------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | 0.000 | 0.500 | 1.000 | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 |
| | | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP |
| 6000 | 1420 | 515 / 0.55 | 624 / 1.10 | 721 / 1.74 | 813 / 2.45 | 903 / 3.22 | 992 / 4.04 | 1080 / 4.90 | 1167 / 5.79 |
| 7000 | 1657 | 600 / 0.87 | 696 / 1.51 | 782 / 2.21 | 864 / 2.98 | 942 / 3.81 | 1020 / 4.70 | 1096 / 5.63 | 1173 / 6.60 |
| 8000 | 1894 | 686 / 1.29 | 772 / 2.02 | 849 / 2.79 | 922 / 3.63 | 993 / 4.52 | 1062 / 5.47 | 1130 / 6.47 | 1197 / 7.51 |
| 9000 | 2131 | 772 / 1.84 | 849 / 2.65 | 919 / 3.50 | 986 / 4.41 | 1050 / 5.37 | 1113 / 6.38 | 1174 / 7.43 | 1235 / 8.53 |
| 10000 | 2367 | 857 / 2.53 | 927 / 3.42 | 992 / 4.35 | 1054 / 5.33 | 1113 / 6.36 | 1171 / 7.43 | 1227 / 8.55 | 1282 / 9.71 |
| 11000 | 2604 | 943 / 3.36 | 1007 / 4.34 | 1067 / 5.36 | 1124 / 6.41 | 1179 / 7.51 | 1233 / 8.65 | 1285 / 9.83 | 1336 / 11.05 |
| 12000 | 2841 | 1029 / 4.36 | 1088 / 5.43 | 1144 / 6.53 | 1197 / 7.66 | 1249 / 8.83 | 1298 / 10.04 | 1347 / 11.29 | 1395 / 12.58 |
| 13000 | 3078 | 1114 / 5.55 | 1169 / 6.70 | 1221 / 7.88 | 1271 / 9.10 | 1320 / 10.34 | 1367 / 11.63 | 1413 / 12.95 | |
| 14000 | 3314 | 1200 / 6.93 | 1251 / 8.17 | 1300 / 9.43 | 1347 / 10.73 | 1393 / 12.06 | 1437 / 13.41 | | |
| 15000 | 3551 | 1286 / 8.52 | 1334 / 9.85 | 1380 / 11.20 | 1424 / 12.58 | | | | |
| 16000 | 3788 | 1372 / 10.34 | 1416 / 11.76 | | | | | | |

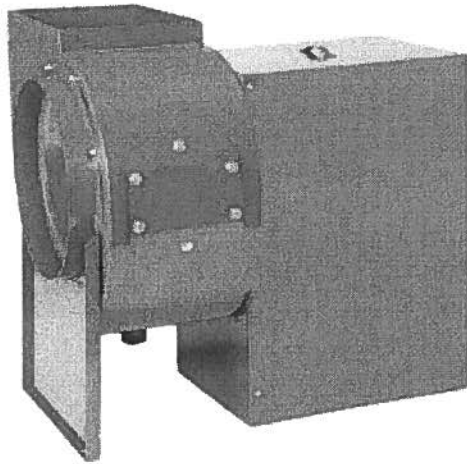
Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appu the airstream. Power rating (BHP) does not include drive losses.

BI27FA Performance Curve

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI-FARM

UTILITY SET - RESTAURANT DUTY



- Air Volume: 2 - 18000 cfm
- Maximum SP: 9.5" wg. @ standard air density

FEATURES & BENEFITS

- Full AMCA CLASS 1 operation.
- Vented motor cover for weather protection.
- UL762 Listed for restaurant duty.
- Upblast discharge directs air away from floor.
- Continuously welded housing.
- Cleanout door with latches provide easy access without tools.
- 2" grease drain will not clog.

OPTIONS

- Heat Slinger.
- Shaft Seal.
- Emergency Disconnect Switch.
- Vibration Isolators.

CERTIFICATIONS

FloAire certifies that Models BI10FARM thru BI27FARM shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Rating Program.

Models BI10FARM thru BI27FARM are UL762 Listed and are in conformance with NFPA96.

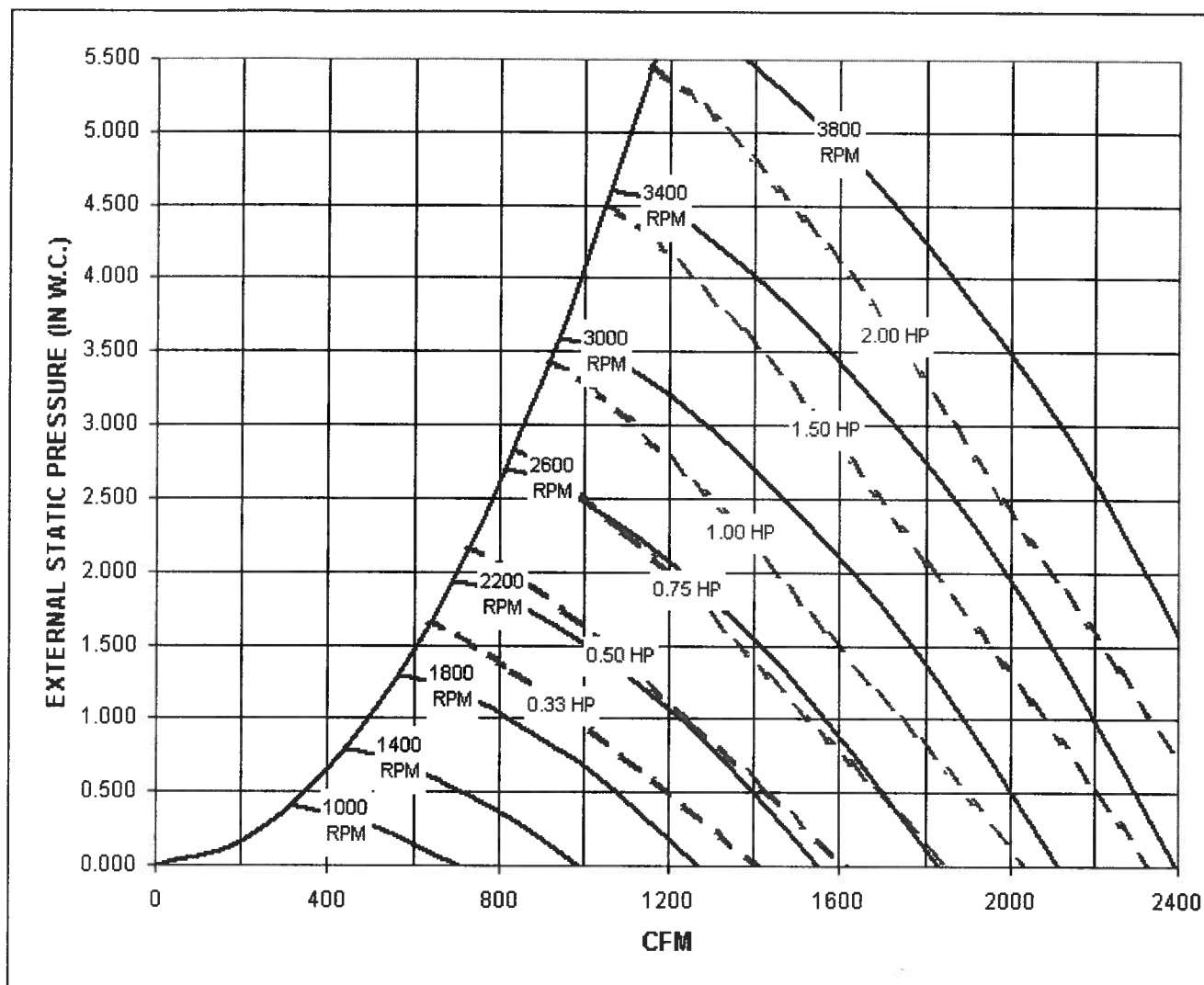


Catalog #109
July 2004

BI10FARM Performance Table

| CFM | OV FPM | Static Pressure in Inches W.G. | | | | | | | | |
|------|-----------|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------|-------------------|-------------------|
| | | 0.000 | 0.500 | 1.000 | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 | 4.000 |
| | | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP |
| 800 | 1234 | 1138 6.3 / 0.06 | 1481 7.7 / 0.15 | 1778 10.1 / 0.24 | 2036 12.5 / 0.35 | 2273 14.8 / 0.48 | 2492 17.1 / 0.62 | | | |
| 1200 | 1852 | 1705 11.9 / 0.21 | 1945 12.4 / 0.33 | 2166 14.3 / 0.46 | 2376 16.2 / 0.60 | 2575 18.1 / 0.75 | 2759 19.9 / 0.90 | 2934 22 / 1.07 | 3101 24 / 1.25 | 3252 26 / 1.43 |
| 1600 | 2469 | 2273 18.7 / 0.49 | 2462 18.2 / 0.65 | 2632 19.6 / 0.82 | 2797 21 / 1.00 | 2963 23 / 1.19 | 3119 24 / 1.37 | 3272 26 / 1.56 | 3419 28 / 1.76 | 3556 29 / 1.95 |
| 2000 | 3086 | 2841 26 / 0.95 | 2994 25 / 1.15 | 3135 26 / 1.36 | 3273 27 / 1.58 | 3407 29 / 1.80 | | | | |
| 2400 | 3703 | 3409 34 / 1.64 | 3540 32 / 1.89 | | | | | | | |

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses. The AMCA Certified Ratings Seal applies to air performance ratings only.

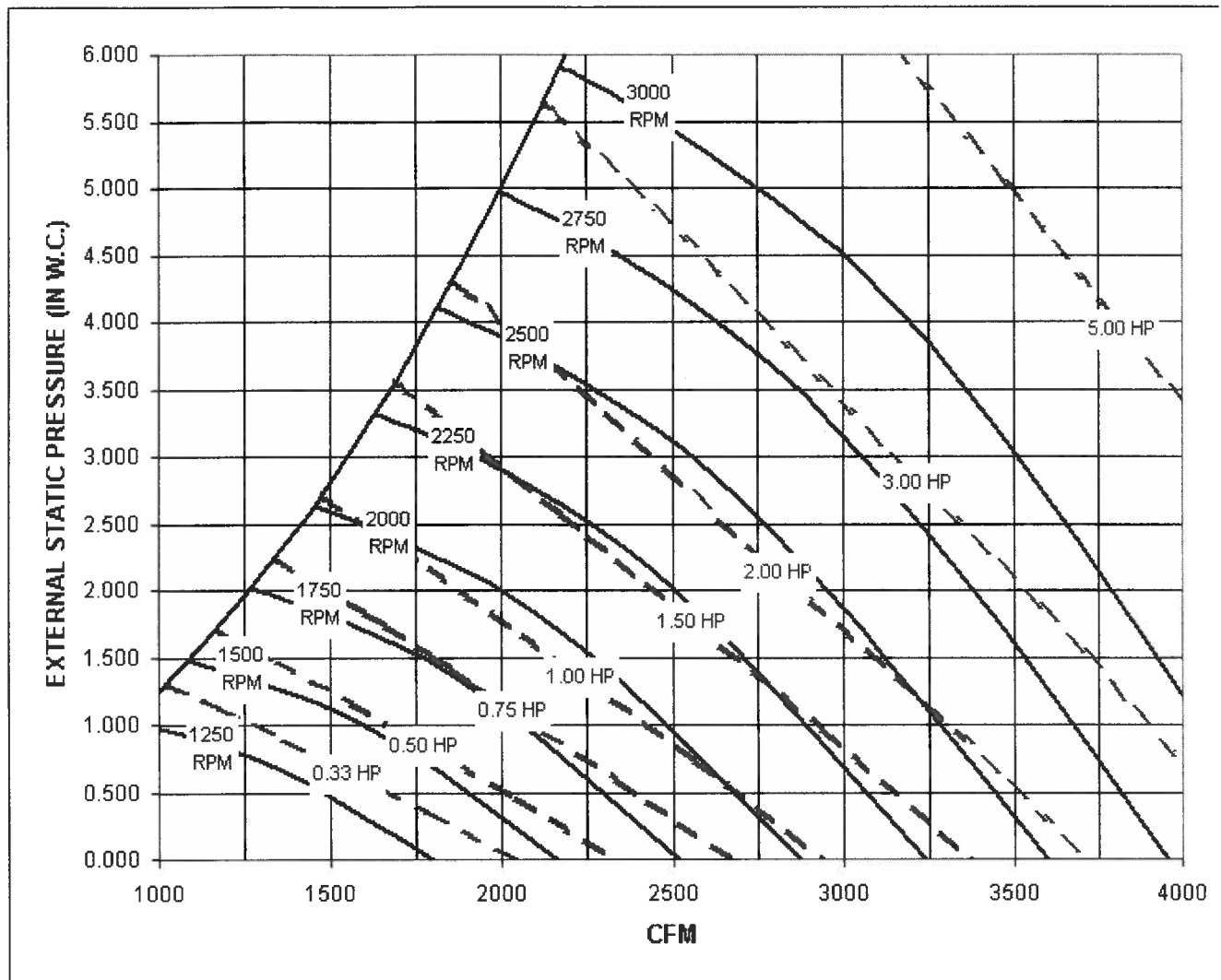
BI10FARM Performance Curve

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI13FARM Performance Table

| CFM | OV FPM | Static Pressure in Inches W.G. | | | | | | | | |
|------|-----------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | 0.000 | 0.500 | 1.000 | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 | 4.000 |
| | | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP |
| 2000 | 1864 | 1390 / 0.31 | 1565 / 0.49 | 1715 / 0.69 | 1860 / 0.89 | 2002 / 1.09 | 2141 / 1.31 | 2275 / 1.52 | 2404 / 1.75 | 2528 / 1.99 |
| 2500 | 2330 | 1737 / 0.61 | 1884 / 0.83 | 2010 / 1.06 | 2129 / 1.31 | 2246 / 1.56 | 2361 / 1.81 | 2475 / 2.07 | 2585 / 2.33 | 2697 / 2.60 |
| 3000 | 2796 | 2085 / 1.06 | 2211 / 1.31 | 2322 / 1.59 | 2423 / 1.87 | 2523 / 2.16 | 2620 / 2.46 | 2717 / 2.76 | 2814 / 3.07 | 2910 / 3.38 |
| 3500 | 3261 | 2432 / 1.68 | 2544 / 1.98 | 2642 / 2.29 | 2732 / 2.61 | 2820 / 2.94 | 2907 / 3.29 | 2991 / 3.63 | | |
| 4000 | 3727 | 2780 / 2.51 | 2880 / 2.85 | 2967 / 3.20 | | | | | | |

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

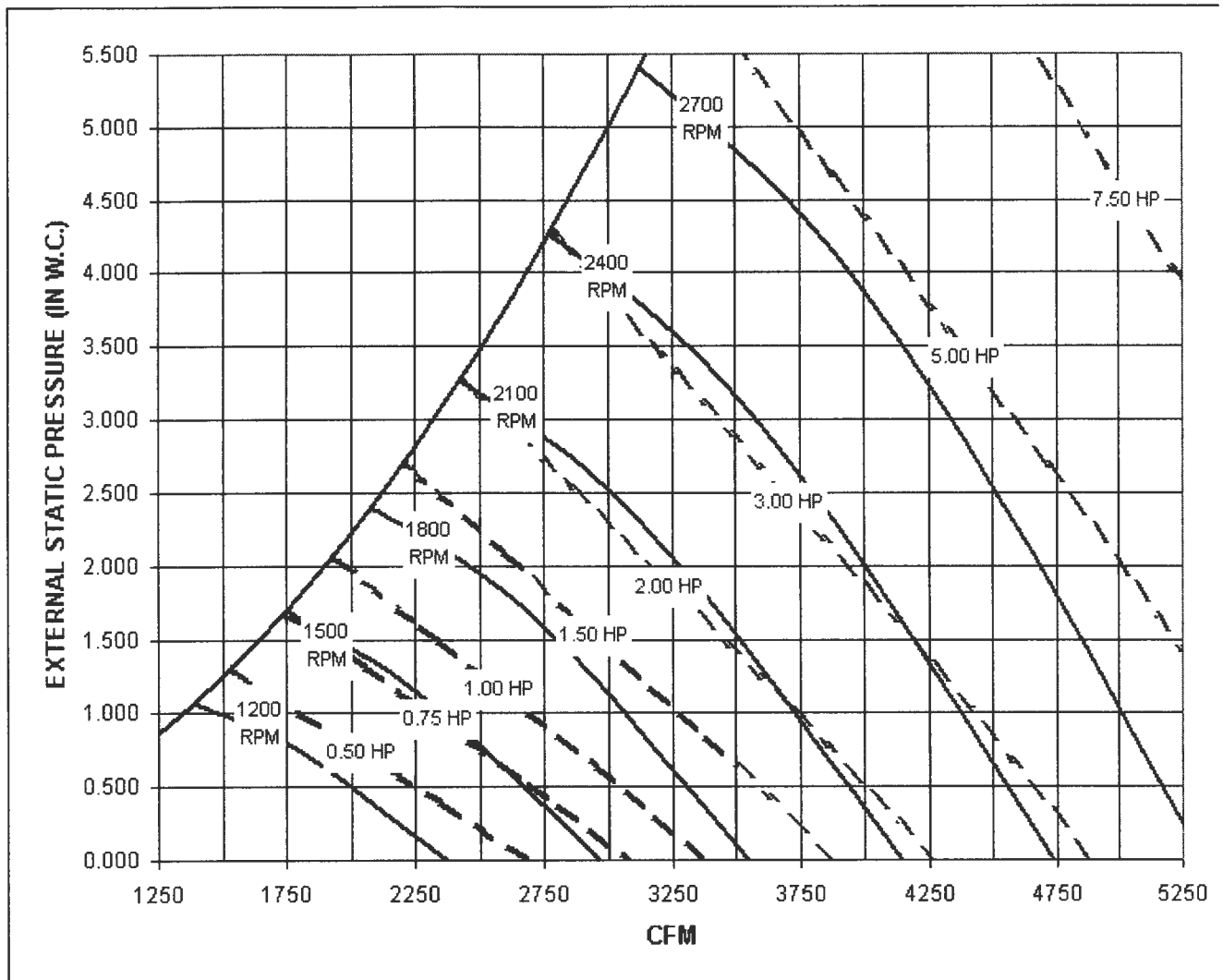
BI13FARM Performance Curve

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI15FARM Performance Table

| CFM | OV FPM | Static Pressure in Inches W.G. | | | | | | | | |
|------|-----------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | 0.000 | 0.500 | 1.000 | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 | 4.000 |
| | | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP |
| 2750 | 2095 | 1393 / 0.54 | 1537 / 0.78 | 1663 / 1.04 | 1781 / 1.31 | 1897 / 1.59 | 2010 / 1.87 | 2122 / 2.16 | 2232 / 2.46 | 2340 / 2.78 |
| 3250 | 2476 | 1646 / 0.88 | 1771 / 1.16 | 1882 / 1.47 | 1985 / 1.78 | 2077 / 2.07 | 2184 / 2.43 | 2281 / 2.76 | 2377 / 3.10 | 2473 / 3.44 |
| 3750 | 2857 | 1900 / 1.36 | 2011 / 1.67 | 2109 / 2.01 | 2202 / 2.37 | 2291 / 2.74 | 2378 / 3.11 | 2464 / 3.48 | 2549 / 3.86 | 2633 / 4.24 |
| 4250 | 3238 | 2153 / 1.98 | 2252 / 2.33 | 2342 / 2.71 | 2426 / 3.10 | 2507 / 3.51 | 2587 / 3.93 | 2663 / 4.34 | | |
| 4750 | 3619 | 2406 / 2.76 | 2496 / 3.14 | 2579 / 3.56 | 2657 / 4.00 | | | | | |
| 5250 | 4000 | 2660 / 3.73 | | | | | | | | |

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

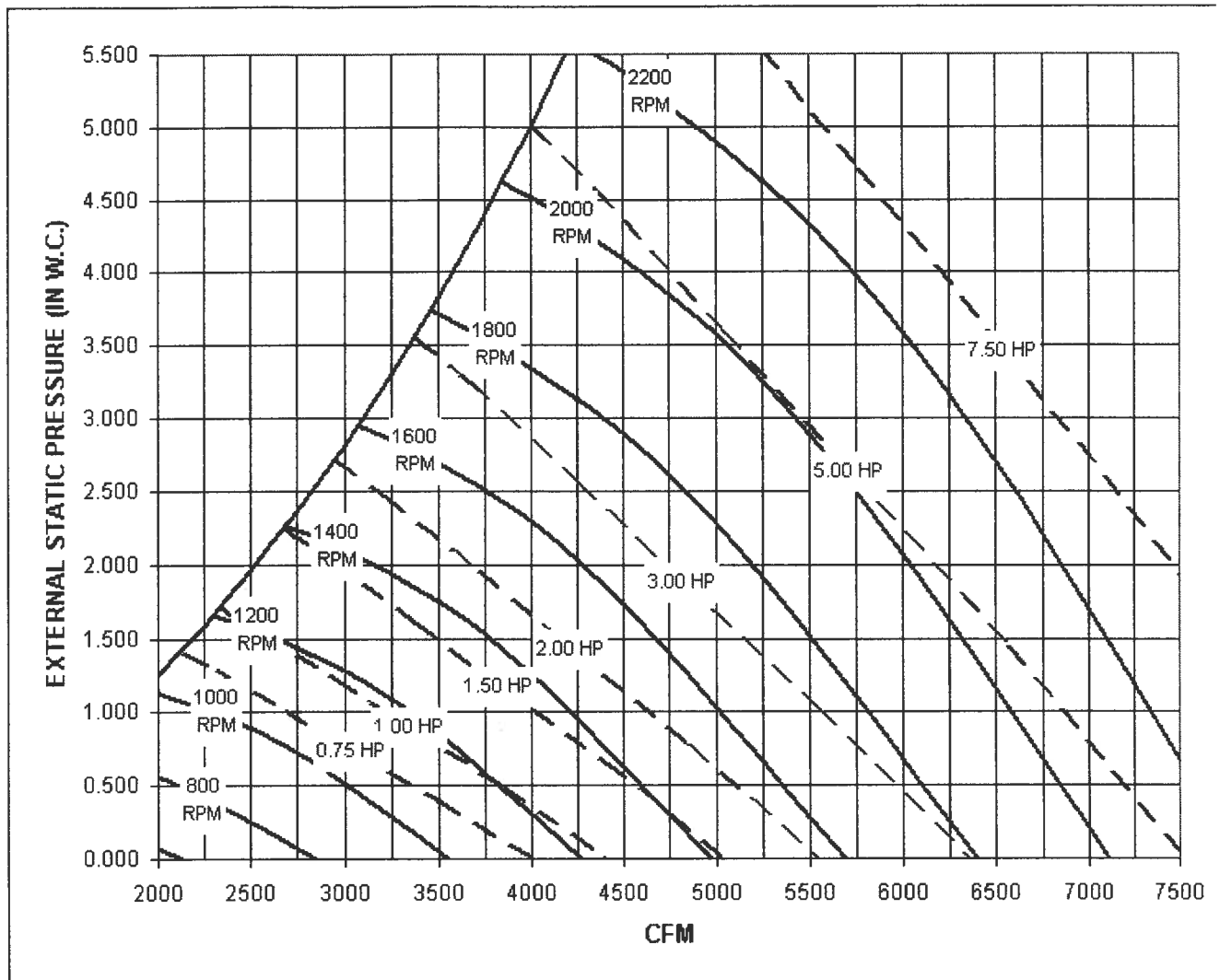
BI15FARM Performance Curve

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI18FARM Performance Table

| CFM | OV FPM | Static Pressure in Inches W.G. | | | | | | | | |
|------|-----------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | 0.000 | 0.500 | 1.000 | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 | 4.000 |
| | | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP |
| 2000 | 1025 | 563 / 0.09 | 772 / 0.29 | 957 / 0.50 | | | | | | |
| 2500 | 1281 | 703 / 0.18 | 878 / 0.42 | 1032 / 0.67 | 1179 / 0.95 | | | | | |
| 3000 | 1538 | 844 / 0.32 | 995 / 0.59 | 1126 / 0.89 | 1253 / 1.20 | 1376 / 1.53 | 1493 / 1.87 | | | |
| 3500 | 1794 | 985 / 0.50 | 1119 / 0.82 | 1234 / 1.16 | 1345 / 1.51 | 1453 / 1.87 | 1559 / 2.25 | 1662 / 2.64 | 1760 / 3.06 | |
| 4000 | 2050 | 1125 / 0.75 | 1245 / 1.10 | 1350 / 1.49 | 1448 / 1.88 | 1544 / 2.28 | 1639 / 2.70 | 1733 / 3.12 | 1825 / 3.57 | 1914 / 4.02 |
| 4500 | 2307 | 1266 / 1.07 | 1375 / 1.46 | 1470 / 1.88 | 1560 / 2.32 | 1647 / 2.77 | 1732 / 3.22 | 1817 / 3.69 | 1900 / 4.16 | 1983 / 4.65 |
| 5000 | 2563 | 1406 / 1.47 | 1506 / 1.89 | 1594 / 2.36 | 1677 / 2.84 | 1756 / 3.33 | 1834 / 3.83 | 1911 / 4.34 | 1988 / 4.85 | 2064 / 5.37 |
| 5500 | 2819 | 1547 / 1.95 | 1639 / 2.42 | 1721 / 2.92 | 1797 / 3.45 | 1871 / 3.98 | 1943 / 4.52 | 2014 / 5.07 | 2084 / 5.62 | 2154 / 6.19 |
| 6000 | 3075 | 1687 / 2.54 | 1773 / 3.04 | 1850 / 3.58 | 1922 / 4.15 | 1991 / 4.73 | 2058 / 5.31 | 2123 / 5.90 | 2188 / 6.50 | |
| 6500 | 3332 | 1828 / 3.23 | 1908 / 3.76 | 1980 / 4.35 | 2048 / 4.95 | 2112 / 5.57 | 2175 / 6.20 | | | |
| 7000 | 3588 | 1969 / 4.03 | 2044 / 4.60 | 2112 / 5.22 | 2176 / 5.87 | | | | | |
| 7500 | 3844 | 2109 / 4.96 | 2180 / 5.57 | | | | | | | |

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

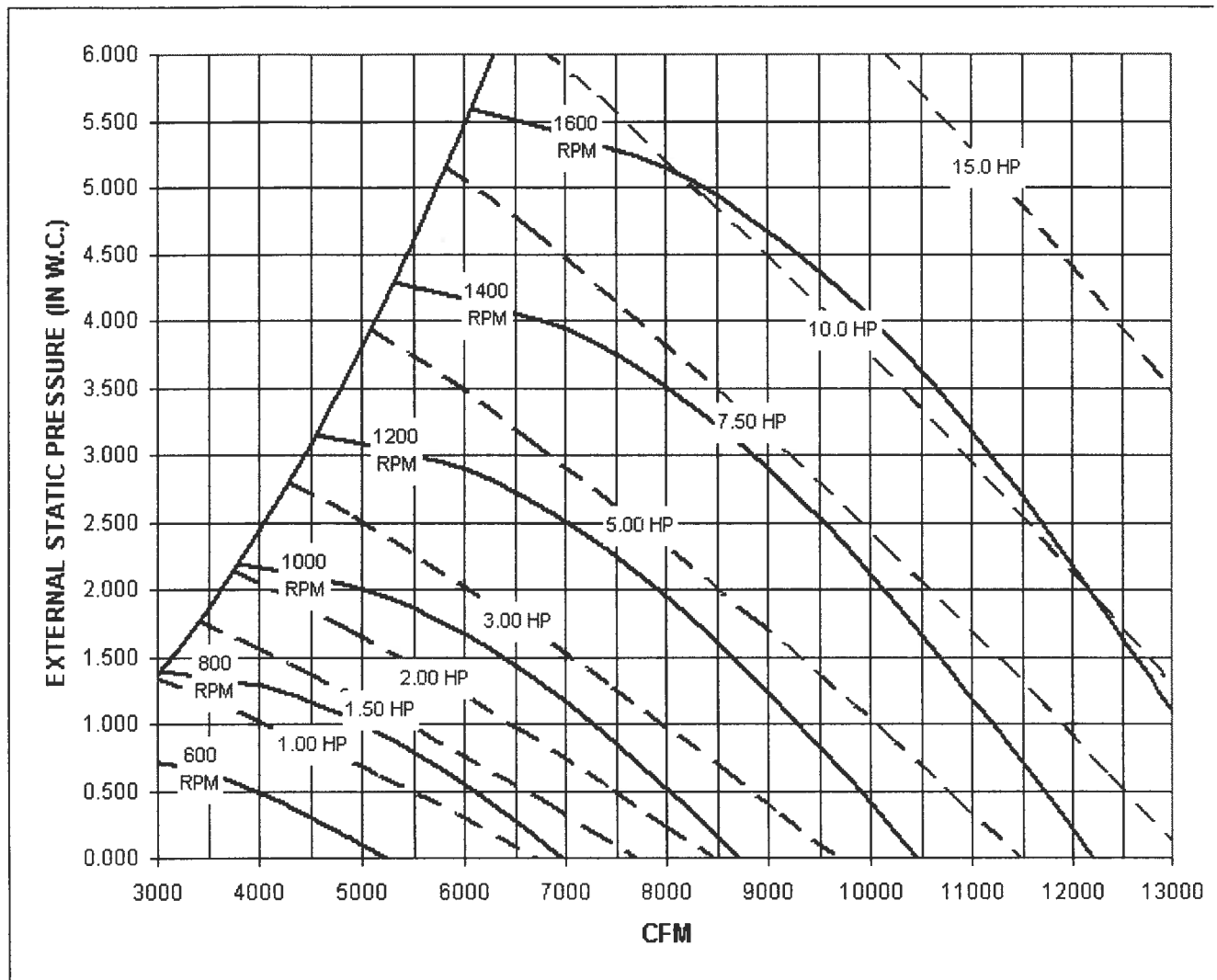
BI18FARM Performance Curve

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI24FARM Performance Table

| CFM | OV FPM | Static Pressure in Inches W.G. | | | | | | | | |
|-------|-----------|--------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-----------|
| | | 0.000 | 0.500 | 1.000 | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 | 4.000 |
| | | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP |
| 5000 | 1429 | 574 / 0.41 | 694 / 0.84 | 799 / 1.32 | 900 / 1.84 | 998 / 2.41 | 1095 / 3.00 | 1191 / 3.62 | 1286 / 4.24 | |
| 6000 | 1715 | 689 / 0.72 | 791 / 1.22 | 883 / 1.76 | 969 / 2.35 | 1053 / 2.97 | 1136 / 3.64 | 1217 / 4.33 | 1298 / 5.04 | 1378 / 5 |
| 7000 | 2001 | 803 / 1.14 | 893 / 1.71 | 974 / 2.33 | 1051 / 2.98 | 1125 / 3.67 | 1197 / 4.39 | 1268 / 5.15 | 1338 / 5.93 | 1408 / 6 |
| 8000 | 2287 | 918 / 1.69 | 997 / 2.35 | 1071 / 3.04 | 1140 / 3.75 | 1206 / 4.51 | 1271 / 5.29 | 1335 / 6.11 | 1397 / 6.95 | 1459 / 7 |
| 9000 | 2573 | 1033 / 2.41 | 1104 / 3.15 | 1170 / 3.91 | 1234 / 4.70 | 1295 / 5.52 | 1354 / 6.36 | 1411 / 7.24 | 1468 / 8.15 | 1524 / 9 |
| 10000 | 2859 | 1147 / 3.31 | 1212 / 4.12 | 1273 / 4.96 | 1331 / 5.82 | 1387 / 6.71 | 1442 / 7.62 | 1495 / 8.57 | 1547 / 9.53 | 1598 / 10 |
| 11000 | 3144 | 1262 / 4.40 | 1321 / 5.30 | 1377 / 6.21 | 1431 / 7.15 | 1483 / 8.10 | 1534 / 9.09 | 1583 / 10.10 | | |
| 12000 | 3430 | 1377 / 5.72 | 1431 / 6.69 | 1483 / 7.69 | 1533 / 8.70 | 1582 / 9.73 | | | | |
| 13000 | 3716 | 1492 / 7.27 | 1542 / 8.32 | 1590 / 9.39 | | | | | | |

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

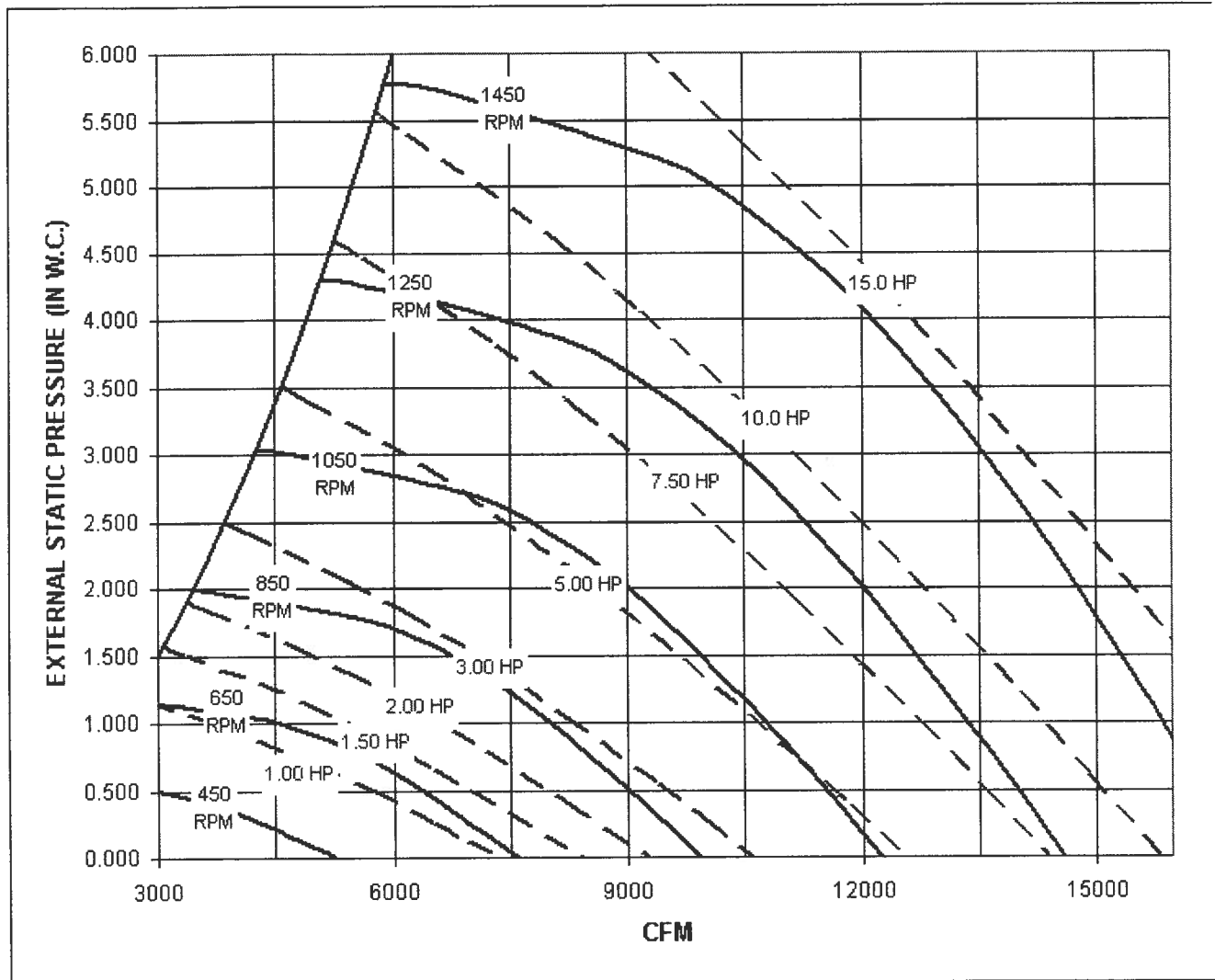
BI24FARM Performance Curve

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI27FARM Performance Table

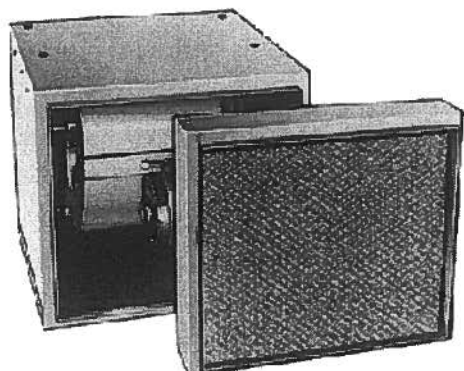
| CFM | OV FPM | Static Pressure in Inches W.G. | | | | | | | |
|-------|-----------|--------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | 0.000 | 0.500 | 1.000 | 1.500 | 2.000 | 2.500 | 3.000 | 3.500 |
| | | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP | RPM/BHP |
| 6000 | 1420 | 515 / 0.55 | 624 / 1.10 | 721 / 1.74 | 813 / 2.45 | 903 / 3.22 | 992 / 4.04 | 1080 / 4.90 | 1167 / 5.79 |
| 7000 | 1657 | 600 / 0.87 | 696 / 1.51 | 782 / 2.21 | 864 / 2.98 | 942 / 3.81 | 1020 / 4.70 | 1096 / 5.63 | 1173 / 6.60 |
| 8000 | 1894 | 686 / 1.29 | 772 / 2.02 | 849 / 2.79 | 922 / 3.63 | 993 / 4.52 | 1062 / 5.47 | 1130 / 6.47 | 1197 / 7.51 |
| 9000 | 2131 | 772 / 1.84 | 849 / 2.65 | 919 / 3.50 | 986 / 4.41 | 1050 / 5.37 | 1113 / 6.38 | 1174 / 7.43 | 1235 / 8.53 |
| 10000 | 2367 | 857 / 2.53 | 927 / 3.42 | 992 / 4.35 | 1054 / 5.33 | 1113 / 6.36 | 1171 / 7.43 | 1227 / 8.55 | 1282 / 9.71 |
| 11000 | 2604 | 943 / 3.36 | 1007 / 4.34 | 1067 / 5.36 | 1124 / 6.41 | 1179 / 7.51 | 1233 / 8.65 | 1285 / 9.83 | 1336 / 11.05 |
| 12000 | 2841 | 1029 / 4.36 | 1088 / 5.43 | 1144 / 6.53 | 1197 / 7.66 | 1249 / 8.83 | 1298 / 10.04 | 1347 / 11.29 | 1395 / 12.58 |
| 13000 | 3078 | 1114 / 5.55 | 1169 / 6.70 | 1221 / 7.88 | 1271 / 9.10 | 1320 / 10.34 | 1367 / 11.63 | 1413 / 12.95 | |
| 14000 | 3314 | 1200 / 6.93 | 1251 / 8.17 | 1300 / 9.43 | 1347 / 10.73 | 1393 / 12.06 | 1437 / 13.41 | | |
| 15000 | 3551 | 1286 / 8.52 | 1334 / 9.85 | 1380 / 11.20 | 1424 / 12.58 | | | | |
| 16000 | 3788 | 1372 / 10.34 | 1416 / 11.76 | | | | | | |

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appu the airstream. Power rating (BHP) does not include drive losses.

BI27FARM Performance Curve

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

F200 SERIES INLINE DUCT BLOWER



- ❑ Air Volume: 300 - 3000 cfm
- ❑ Maximum SP: 2.5" wg. @ standard air density

FEATURES & BENEFITS

- ❑ Ceiling or Inline Fan.
- ❑ UL705.
- ❑ AMCA Sound and Air Licensed.
- ❑ Thermal Overload Protection (Single Phase).

OPTIONS

- ❑ Vibration Isolation.
- ❑ Insulated Housing.
- ❑ Disconnect Switch.
- ❑ Intake Filter.

CERTIFICATIONS

FloAire certifies that Models F207 thru F210 are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and Publication 311, and comply with the requirements of the AMCA Certified Rating Program.

Models F207 thru F210 are UL705 Listed.

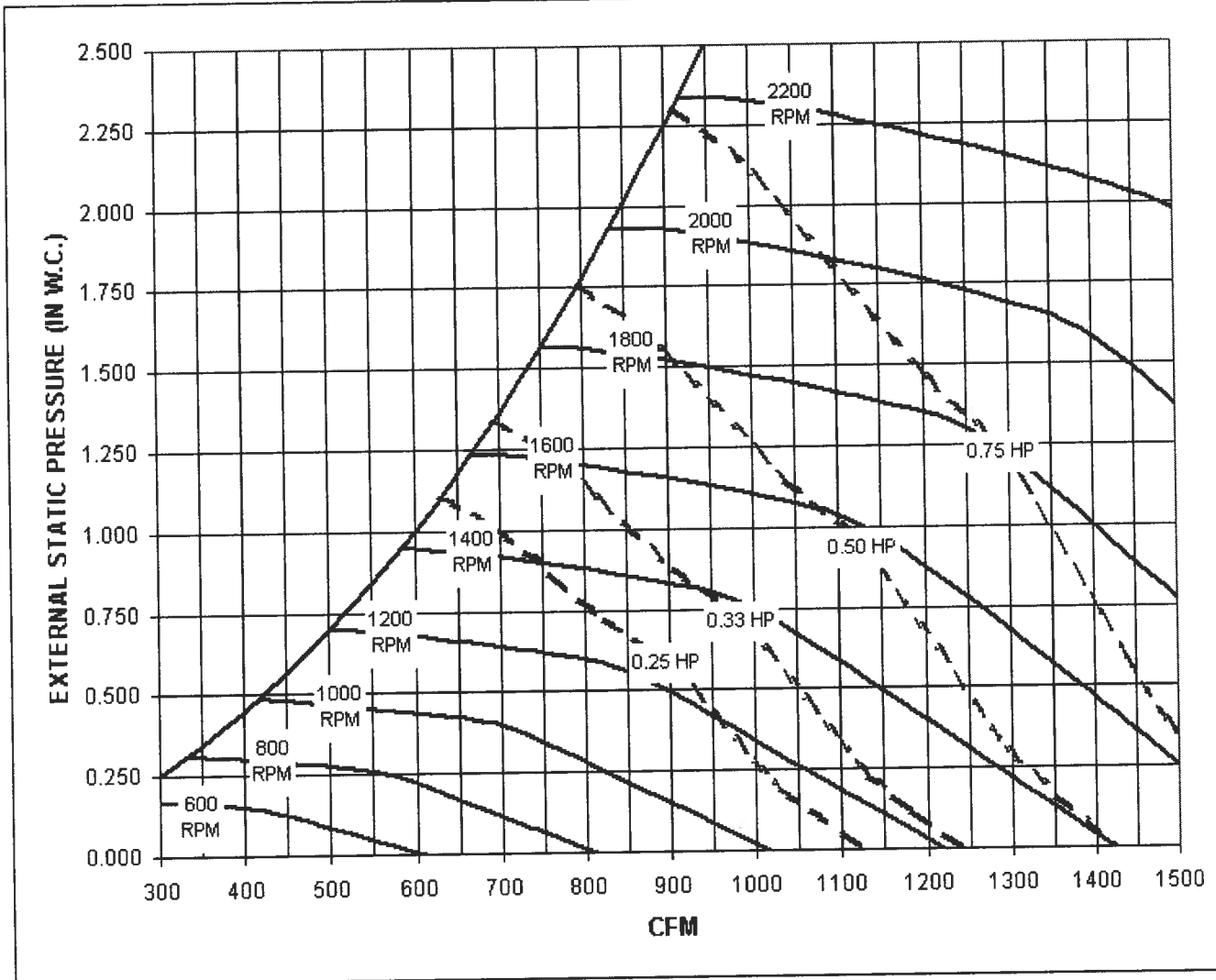


Catalog #109
July 2004

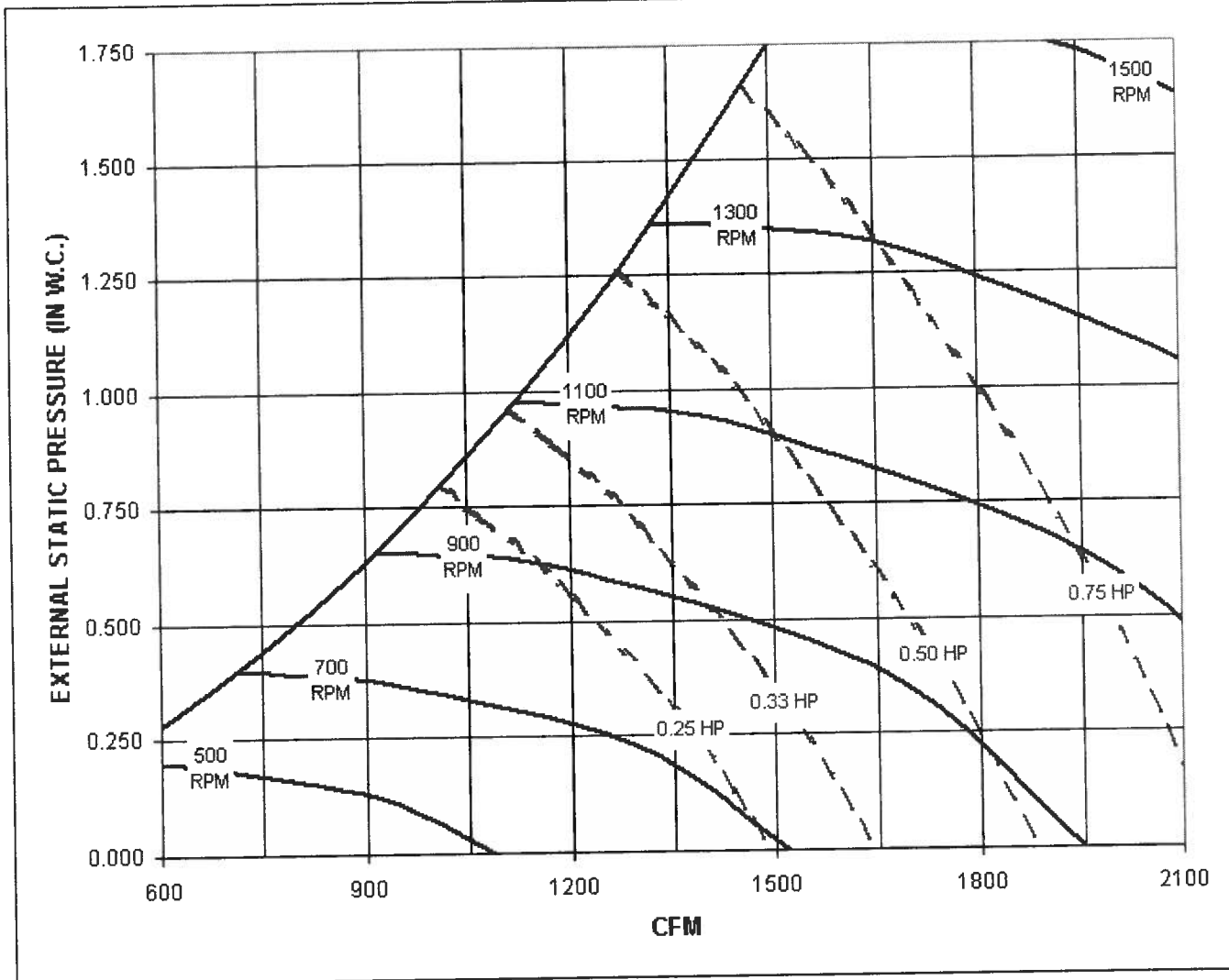
F207 Performance Table

| CFM | Static Pressure in Inches W.G. | | | | | | | | |
|------|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------|-------------------|-------------------|
| | 0.000 | 0.250 | 0.500 | 0.750 | 1.000 | 1.250 | 1.500 | 1.750 | 2.000 |
| | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP |
| 600 | 593 3 / 0.04 | 824 5.3 / 0.07 | 1049 10 / 0.12 | 1255 13.1 / 0.16 | 1435 15.5 / 0.19 | | | | |
| 700 | 691 4.1 / 0.06 | 895 7.4 / 0.10 | 1084 11 / 0.15 | 1275 13.4 / 0.20 | 1452 15.7 / 0.25 | 1609 19.3 / 0.29 | | | |
| 800 | 790 6.1 / 0.09 | 976 10.1 / 0.14 | 1136 12.6 / 0.19 | 1303 13.7 / 0.24 | 1471 16 / 0.31 | 1626 19.8 / 0.36 | 1766 25 / 0.41 | 1900 30 / 0.45 | |
| 900 | 888 8.5 / 0.13 | 1060 12.8 / 0.19 | 1200 13.9 / 0.23 | 1347 14.6 / 0.29 | 1498 16.4 / 0.36 | 1645 20 / 0.43 | 1786 25 / 0.50 | 1915 31 / 0.55 | 2036 37 / 0.60 |
| 1000 | 986 11.3 / 0.17 | 1147 14.8 / 0.24 | 1274 15.5 / 0.29 | 1403 16.1 / 0.35 | 1538 17.4 / 0.43 | 1672 21 / 0.50 | 1805 26 / 0.58 | 1934 32 / 0.66 | 2053 38 / 0.72 |
| 1100 | 1085 14.2 / 0.23 | 1237 16.3 / 0.31 | 1353 17.2 / 0.37 | 1469 17.7 / 0.43 | 1587 19.7 / 0.50 | 1711 23 / 0.58 | 1833 27 / 0.66 | 1957 33 / 0.75 | |
| 1200 | 1182 16.1 / 0.30 | 1327 17.9 / 0.40 | 1435 19.1 / 0.45 | 1540 20 / 0.51 | 1648 23 / 0.59 | 1760 26 / 0.67 | | | |
| 1300 | 1281 17.9 / 0.38 | 1421 19.7 / 0.49 | 1522 21 / 0.56 | 1619 24 / 0.62 | 1717 26 / 0.69 | | | | |
| 1400 | 1379 19.8 / 0.48 | 1514 22 / 0.60 | 1609 25 / 0.67 | 1701 28 / 0.74 | | | | | |
| 1500 | 1478 22 / 0.59 | 1606 25 / 0.73 | | | | | | | |

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses. The sound ratings shown are loudness values in fan sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type B: free inlet fan sone levels.

F207 Performance Curve

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

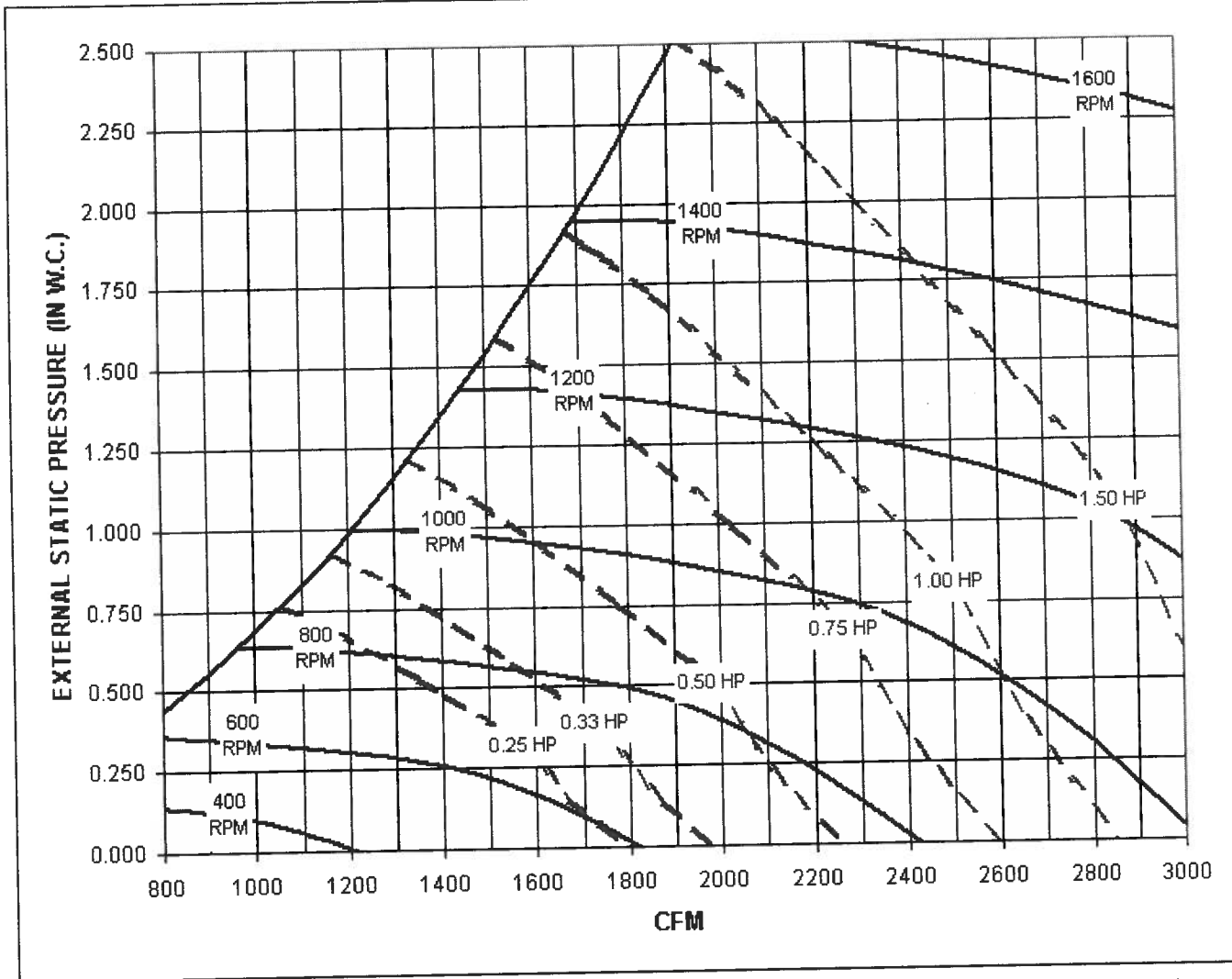
F209 Performance Curve

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

F210 Performance Table

| CFM | Static Pressure in Inches W.G. | | | | | | | | |
|------|--------------------------------|--------------------|--------------------|---------------------|---------------------|---------------------|-------------------|-------------------|-------------------|
| | 0.000 | 0.250 | 0.500 | 0.750 | 1.000 | 1.250 | 1.500 | 1.750 | 2.000 |
| | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP | RPM Sone/BHP |
| 1000 | 331 2.5 / 0.04 | 532 4.2 / 0.09 | 713 7.5 / 0.16 | | | | | | |
| 1200 | 396 3.7 / 0.07 | 556 4.9 / 0.13 | 731 8.3 / 0.20 | 871 12 / 0.28 | | | | | |
| 1400 | 462 5 / 0.12 | 593 6.2 / 0.18 | 750 9.1 / 0.26 | 889 13 / 0.35 | 1006 15.5 / 0.43 | 1115 18.2 / 0.52 | | | |
| 1600 | 528 6.3 / 0.18 | 639 7.7 / 0.24 | 773 10.2 / 0.32 | 908 13.9 / 0.42 | 1025 16.3 / 0.53 | 1128 18.7 / 0.62 | 1224 21 / 0.72 | 1317 24 / 0.83 | |
| 1800 | 594 7.9 / 0.25 | 692 9.7 / 0.33 | 804 11.7 / 0.40 | 928 14.7 / 0.51 | 1044 17.2 / 0.63 | 1147 19.6 / 0.74 | 1241 22 / 0.85 | 1327 25 / 0.96 | 1412 28 / 1.08 |
| 2000 | 660 9.8 / 0.34 | 747 11.9 / 0.44 | 843 13.6 / 0.51 | 952 15.7 / 0.61 | 1063 18 / 0.74 | 1166 20 / 0.87 | 1259 23 / 1.00 | 1345 25 / 1.12 | 1426 29 / 1.24 |
| 2200 | 726 12.1 / 0.46 | 806 14.3 / 0.57 | 889 15.7 / 0.64 | 983 17 / 0.74 | 1085 19 / 0.86 | 1185 21 / 1.00 | 1278 24 / 1.15 | 1364 27 / 1.29 | 1444 30 / 1.43 |
| 2400 | 792 14.6 / 0.59 | 865 16.5 / 0.72 | 939 17.8 / 0.80 | 1022 18.7 / 0.89 | 1112 20 / 1.01 | 1206 22 / 1.15 | 1297 25 / 1.31 | 1382 28 / 1.47 | |
| 2600 | 858 17.1 / 0.76 | 926 18.8 / 0.90 | 993 19.9 / 0.99 | 1066 20 / 1.08 | 1146 22 / 1.19 | 1231 24 / 1.33 | 1318 26 / 1.49 | | |
| 2800 | 924 19.7 / 0.94 | 987 21 / 1.10 | 1049 22 / 1.21 | 1115 23 / 1.30 | 1186 24 / 1.41 | | | | |
| 3000 | 990 22 / 1.16 | 1049 23 / 1.33 | 1107 24 / 1.45 | | | | | | |

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses. The sound ratings shown are loudness values in fan sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type B: free inlet fan sone levels.

F210 Performance Curve

Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.