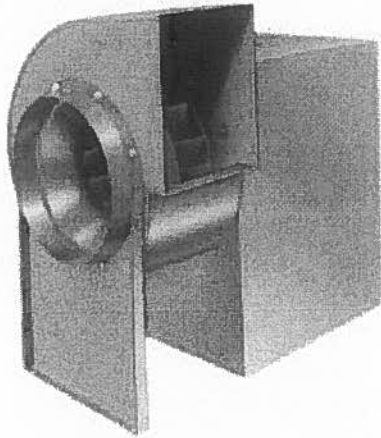


BI-T
UTILITY SET - GENERAL DUTY



- 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

ThermoTek certifies that Models BI10T thru BI27T 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 BI10T thru BI27T are UL705 Listed.

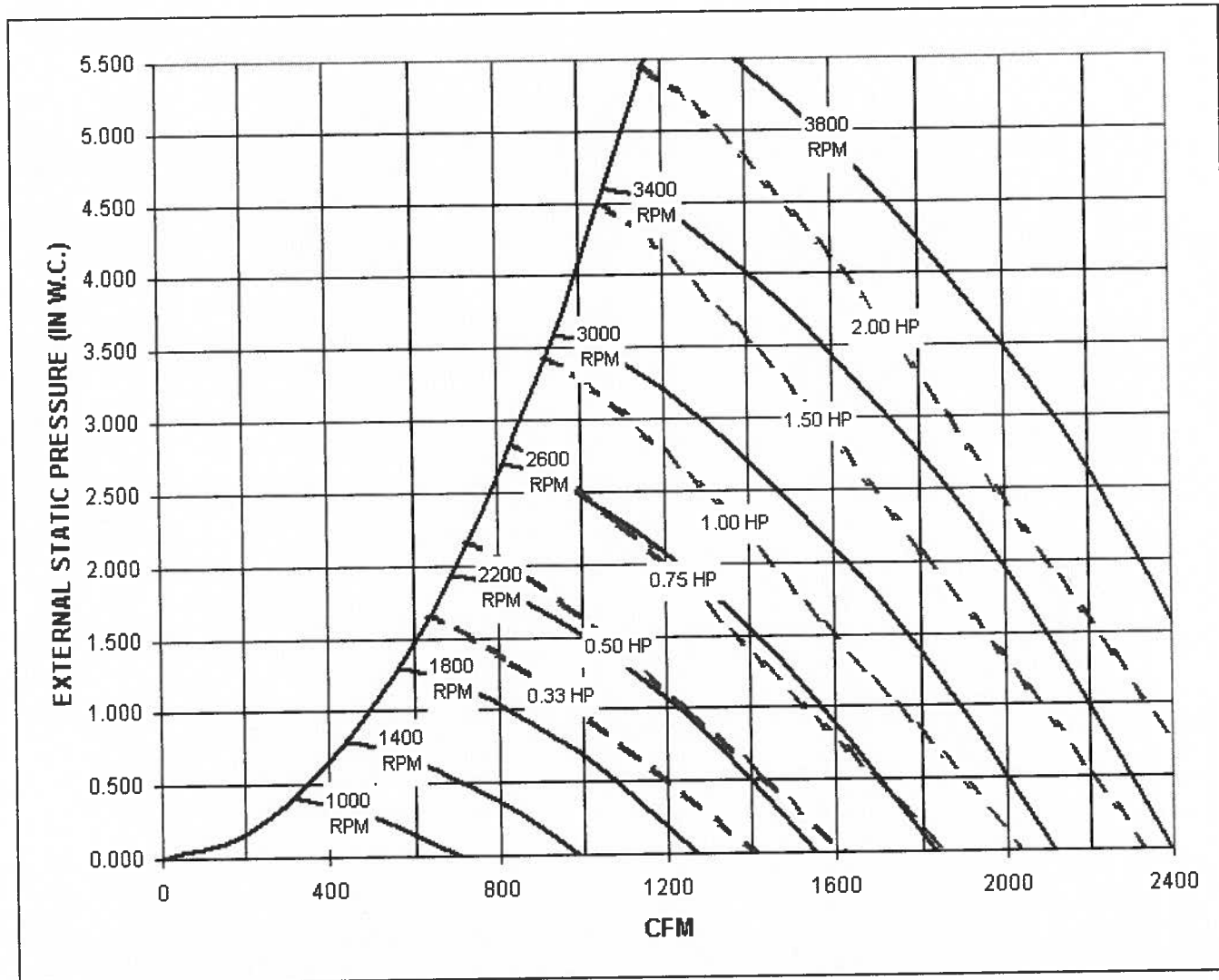


Catalog #109
July 2004

BI10T Performance Table

CFM	OV FPM	Static Pressure in Inches W.G.								RP
		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	
800	1234	1138 / 0.06	1481 / 0.15	1778 / 0.24	2036 / 0.35	2273 / 0.48	2492 / 0.62			
1200	1852	1705 / 0.21	1945 / 0.33	2166 / 0.46	2376 / 0.60	2575 / 0.75	2759 / 0.90	2934 / 1.07	3101 / 1.25	325
1600	2469	2273 / 0.49	2462 / 0.65	2632 / 0.82	2797 / 1.00	2963 / 1.19	3119 / 1.37	3272 / 1.56	3419 / 1.76	355
2000	3086	2841 / 0.95	2994 / 1.15	3135 / 1.36	3273 / 1.58	3407 / 1.80				
2400	3703	3409 / 1.64	3540 / 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.

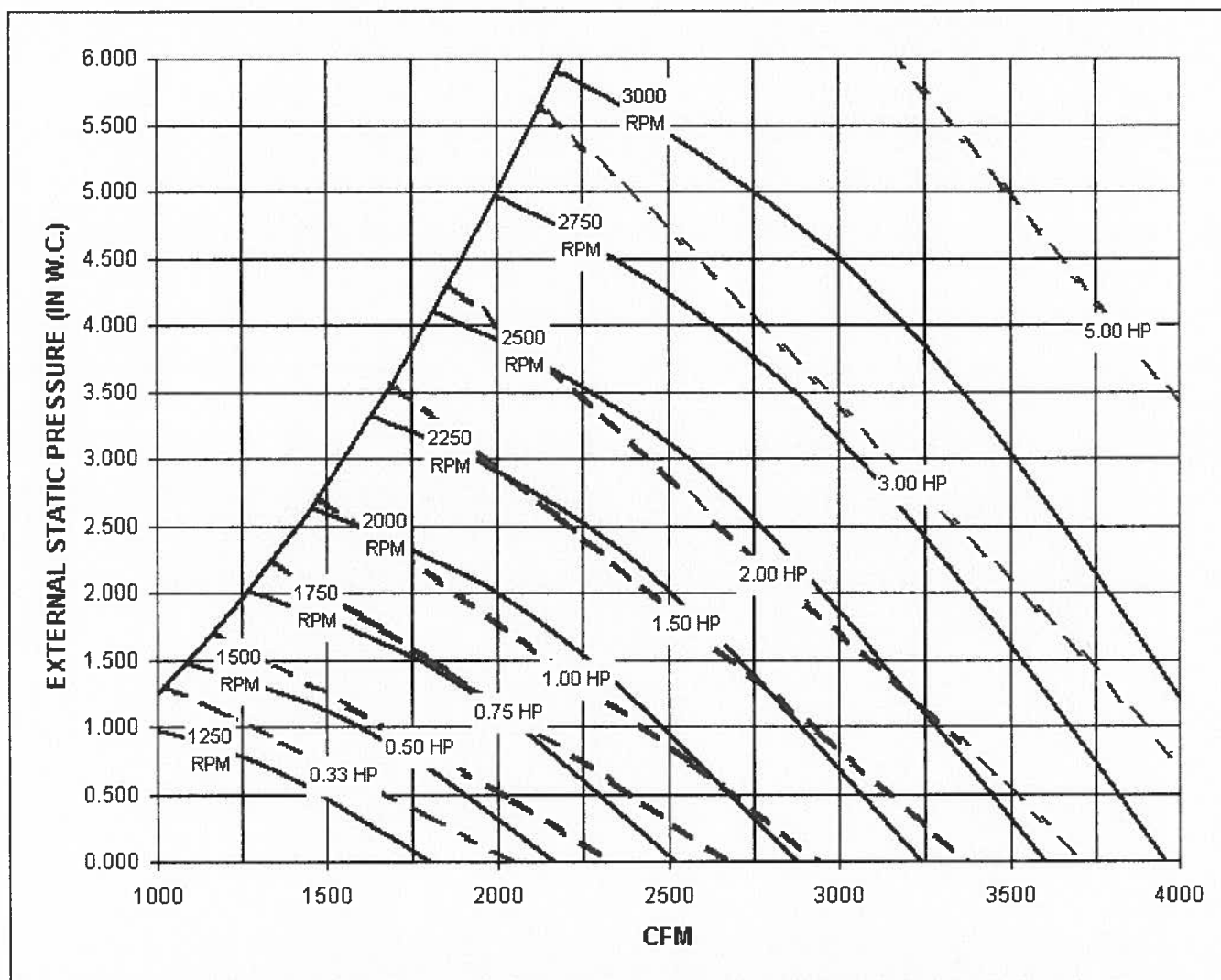
BI10T Performance Curve

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.

BI13T 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	2527 / 1.96
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	2691 / 2.59
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	2911 / 3.37
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.

BI13T Performance Curve

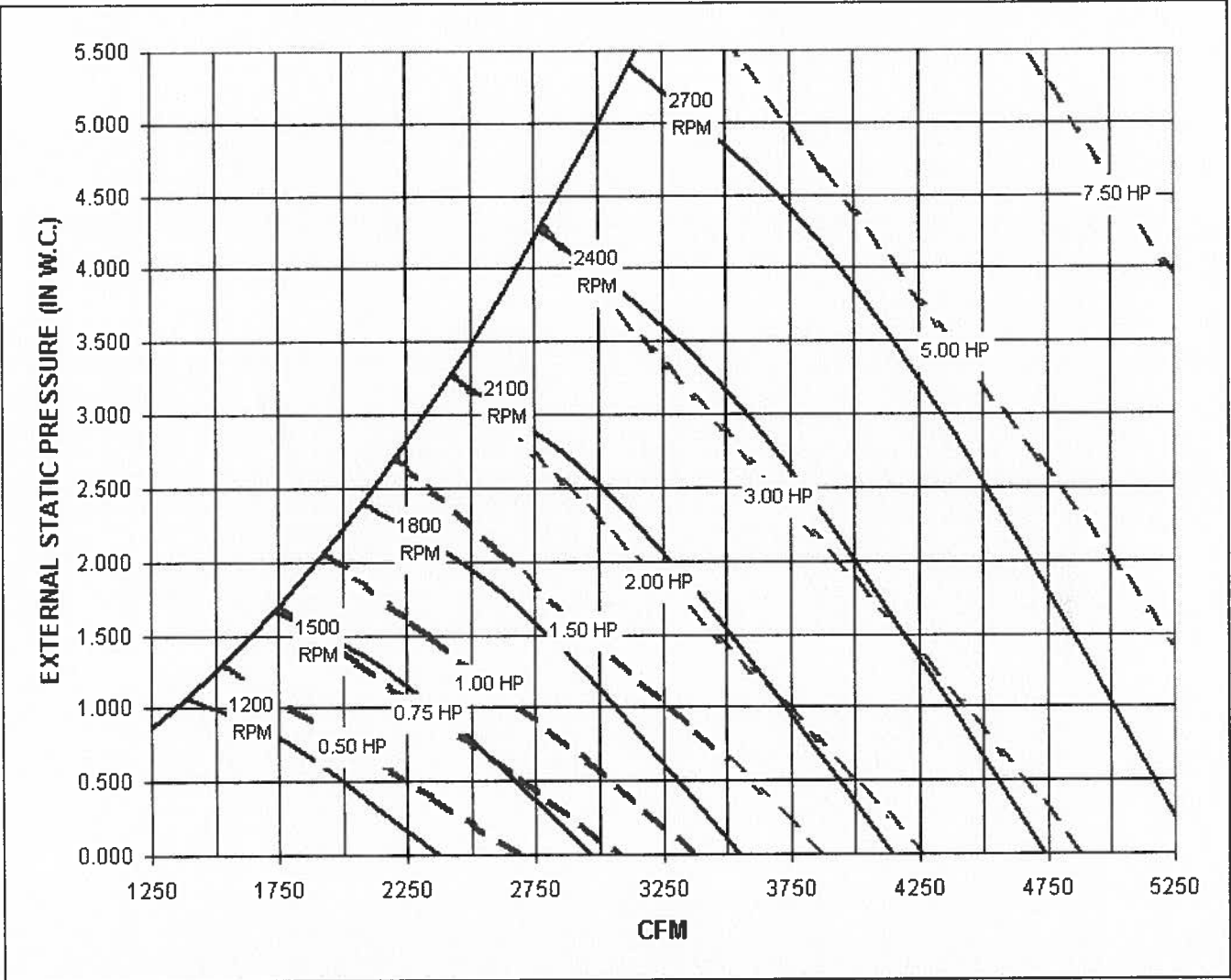
Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI15T Performance Table

CFM	OV FPM	Static Pressure in Inches W.G.								RPM
		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	
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	234
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	247
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	263
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.

BI15T Performance Curve



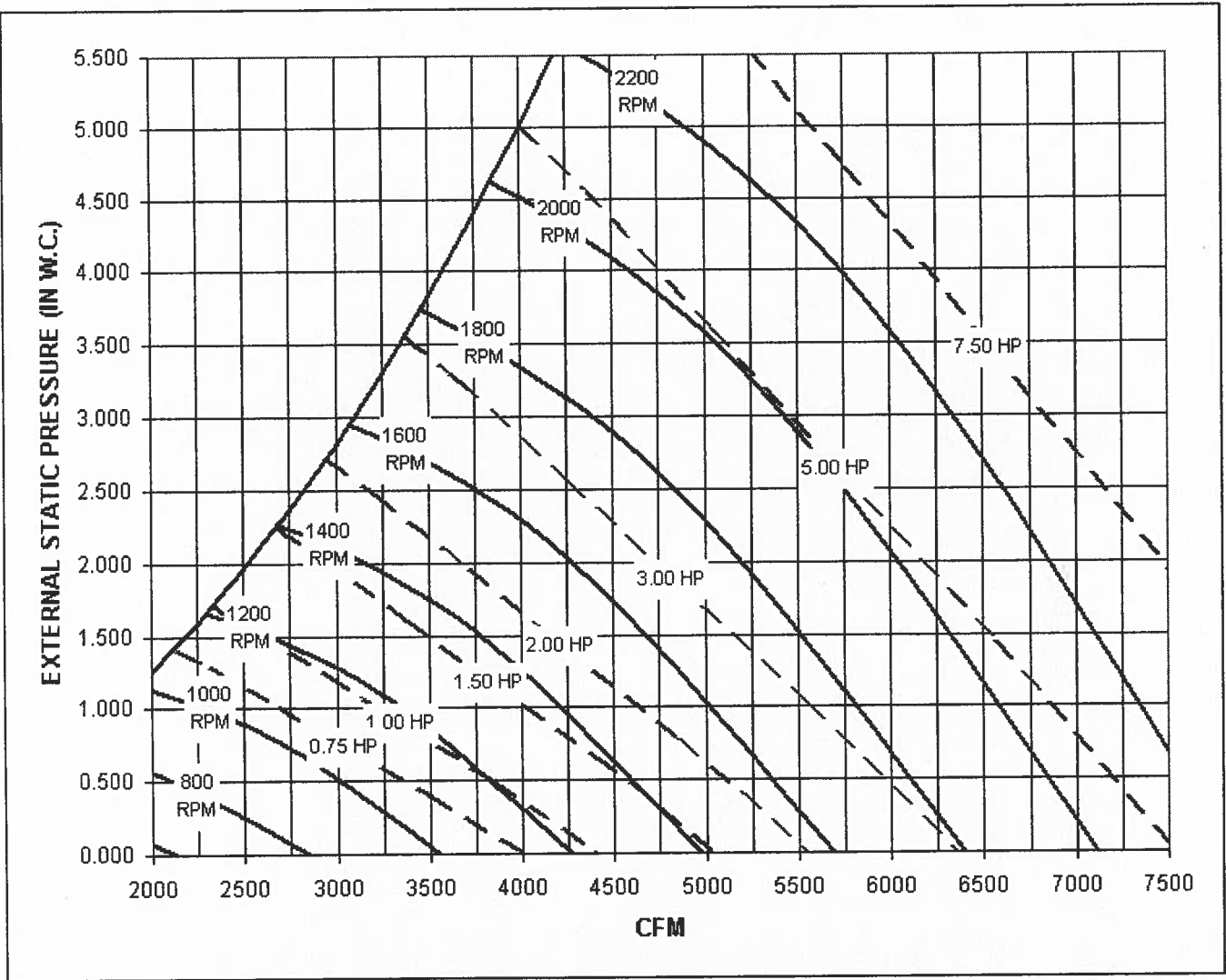
Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI18T 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	1917 / 4.00
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	1981 / 4.60
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	2063 / 5.30
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	2153 / 6.10
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.

BI18T Performance Curve



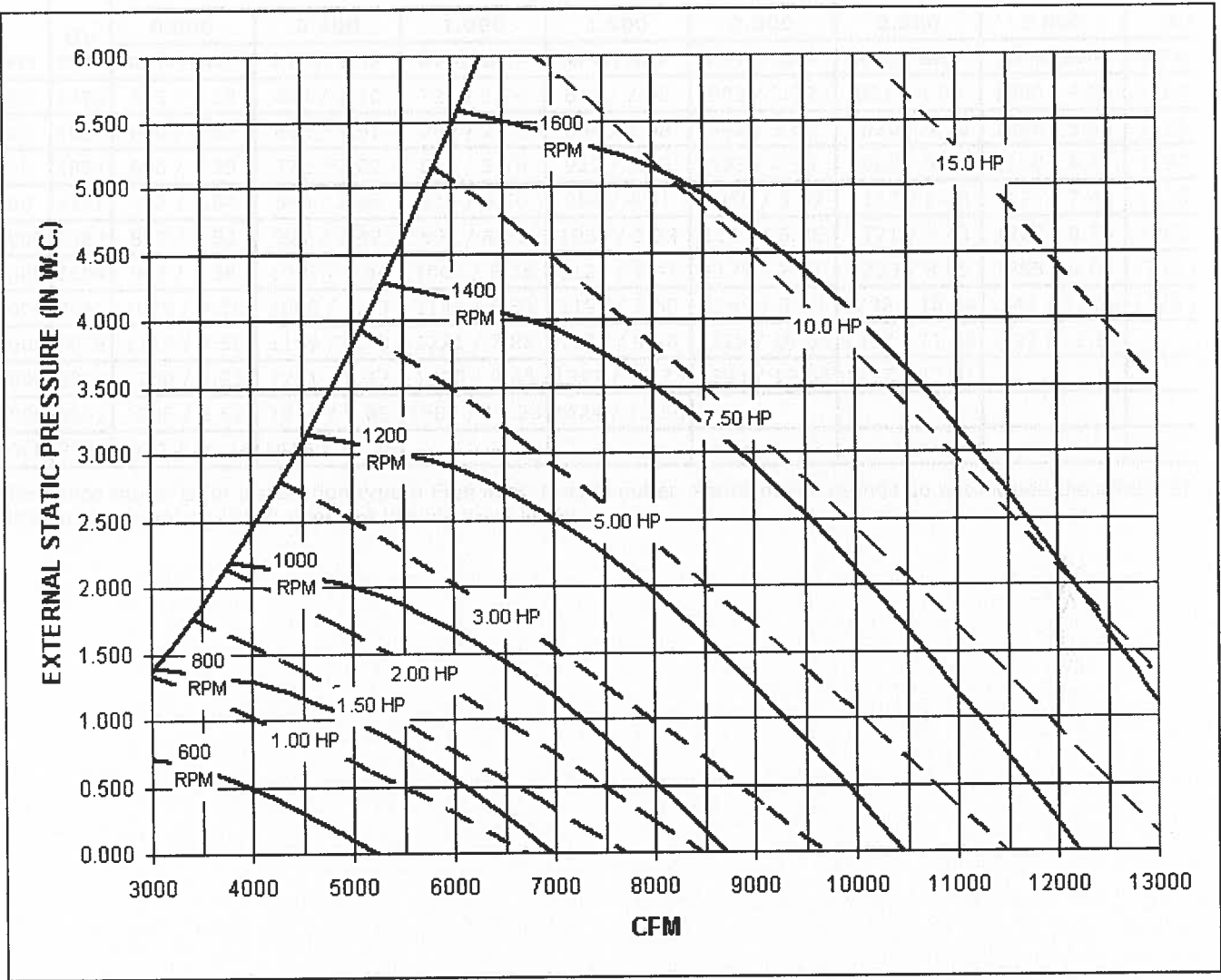
Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI24T Performance Table

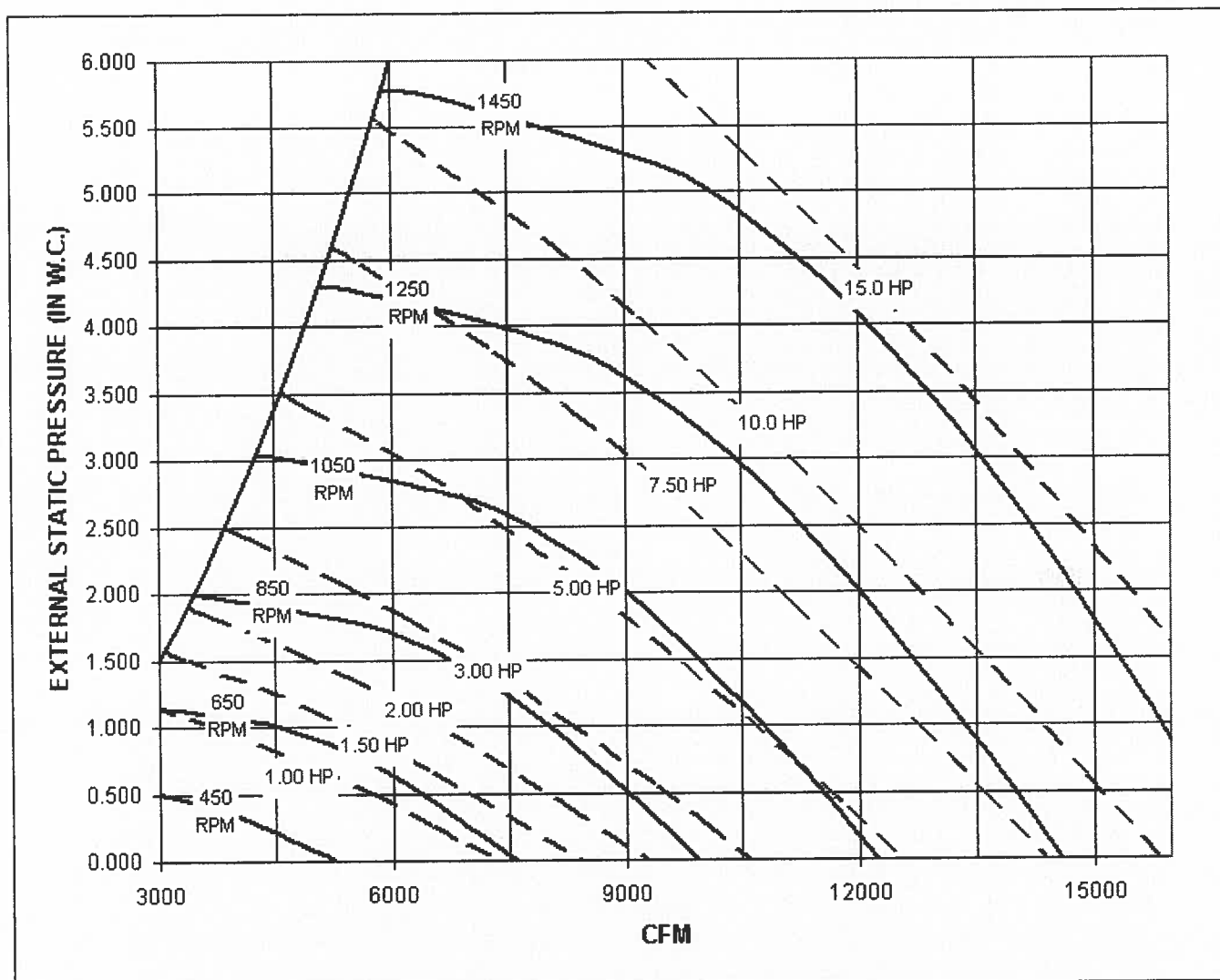
CFM	OV FPM	Static Pressure in Inches W.G.							
		0.000	0.500	1.000	1.500	2.000	2.500	3.000	3.500
		RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP
5000	1429	574 / 0.41	694 / 0.84	799 / 1.32	900 / 1.84	998 / 2.41	1095 / 3.00	1191 / 3.62	1286 / 4.24
6000	1715	689 / 0.72	791 / 1.22	883 / 1.76	969 / 2.35	1053 / 2.97	1136 / 3.64	1217 / 4.33	1298 / 5.04
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
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
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
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
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.

BI24T Performance Curve



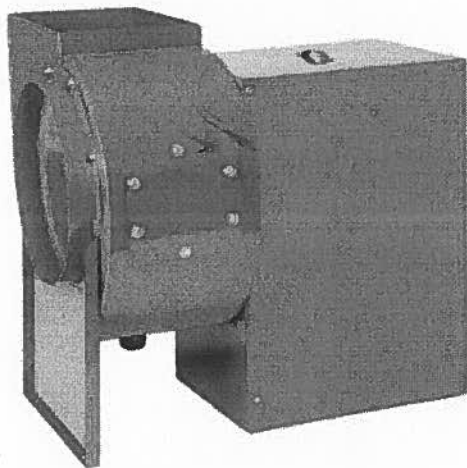
Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI27T 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-TRM

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

ThermoTek certifies that BI10TRM thru BI27TRM 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 BI10TRM thru BI27TRM are UL762 Listed and are in conformance with NFPA96.



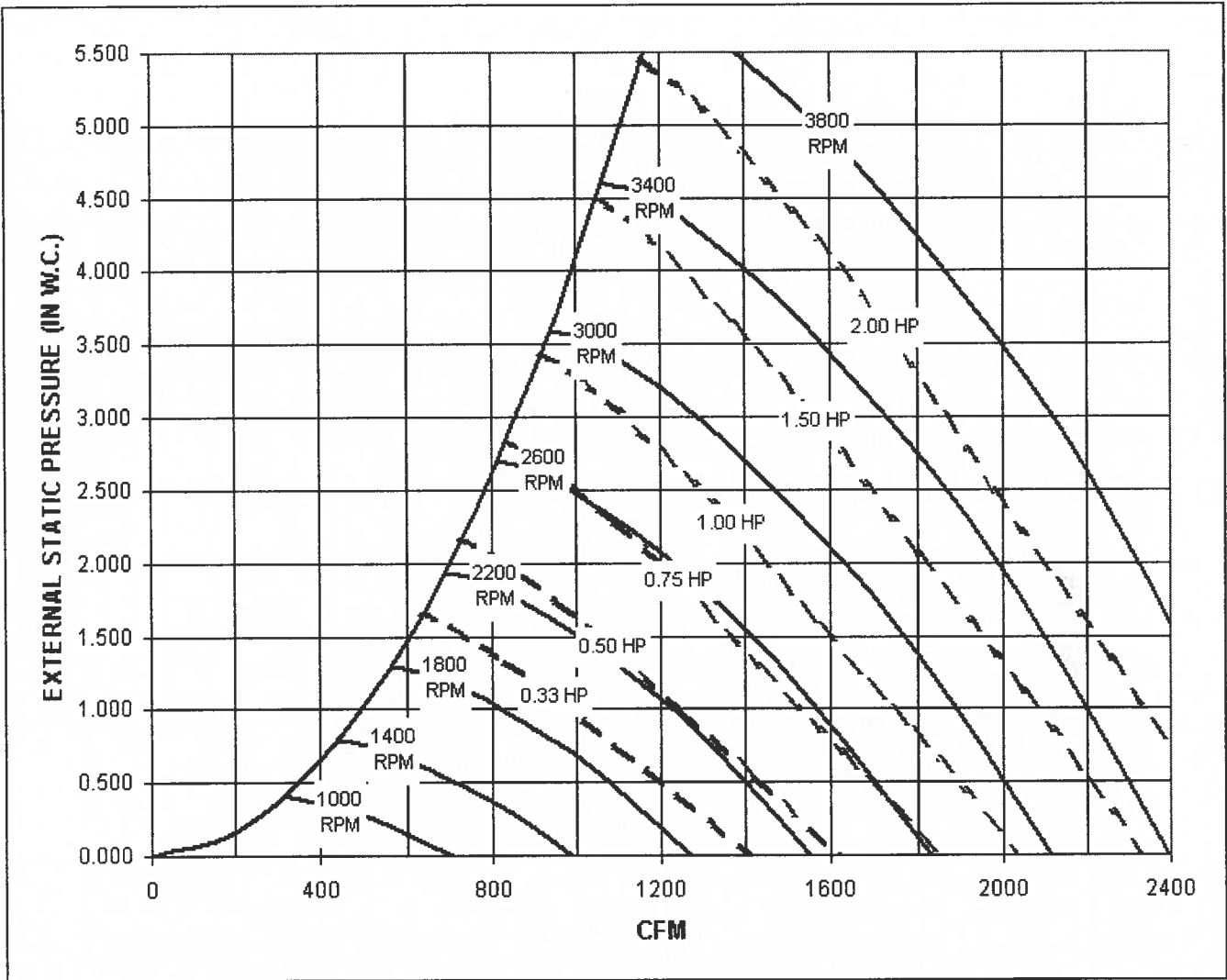
Catalog #109
July 2004

BI10TRM 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
800	1234	1138 / 0.06	1481 / 0.15	1778 / 0.24	2036 / 0.35	2273 / 0.48	2492 / 0.62			
1200	1852	1705 / 0.21	1945 / 0.33	2166 / 0.46	2376 / 0.60	2575 / 0.75	2759 / 0.90	2934 / 1.07	3101 / 1.25	3258 / 1.43
1600	2469	2273 / 0.49	2462 / 0.65	2632 / 0.82	2797 / 1.00	2963 / 1.19	3119 / 1.37	3272 / 1.56	3419 / 1.76	3558 / 1.96
2000	3086	2841 / 0.95	2994 / 1.15	3135 / 1.36	3273 / 1.58	3407 / 1.80				
2400	3703	3409 / 1.64	3540 / 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.

BI10TRM Performance Curve

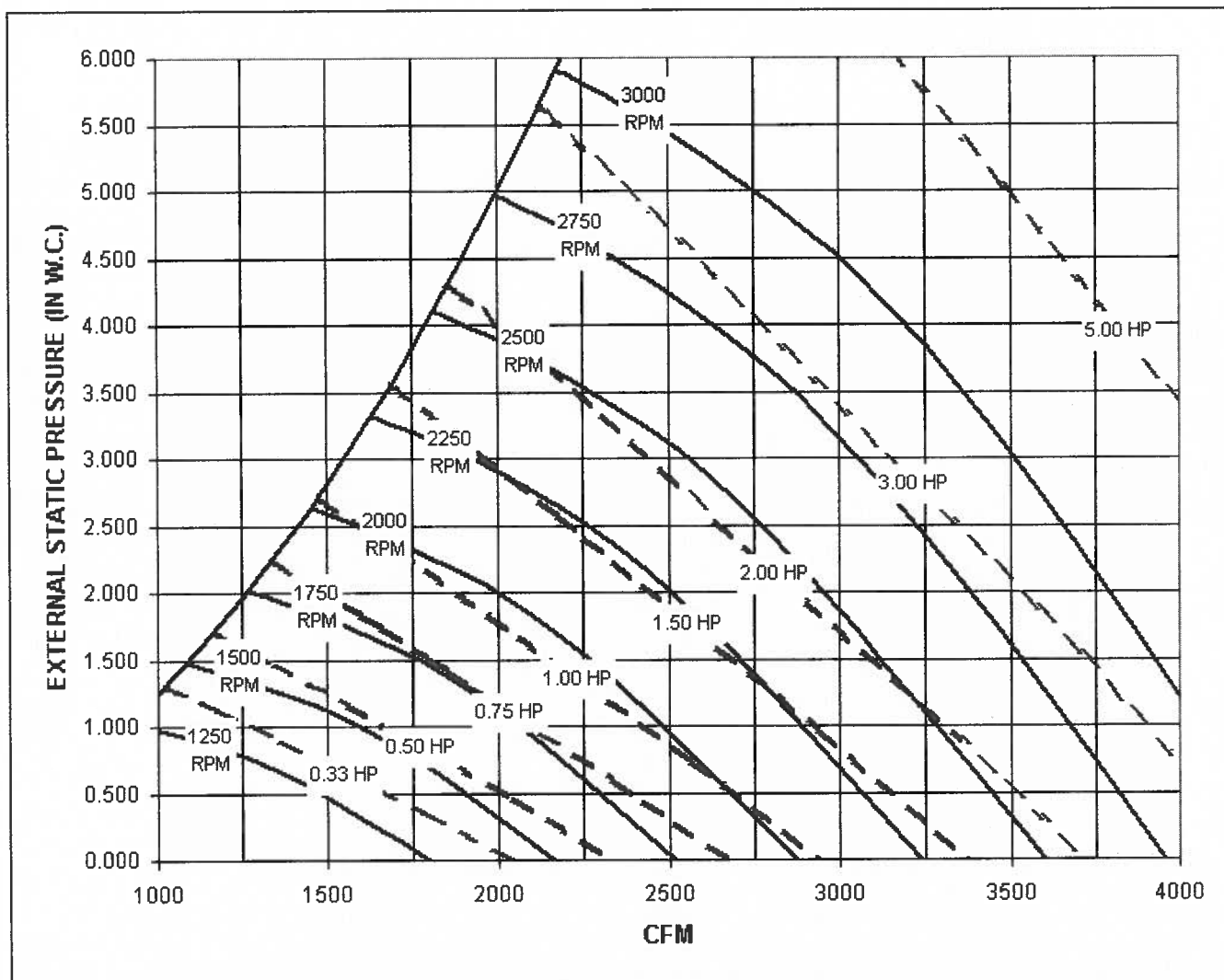


Performance shown is for installation type B Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include drive losses.

BI13TRM 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	RP
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	252
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	269
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	291
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.

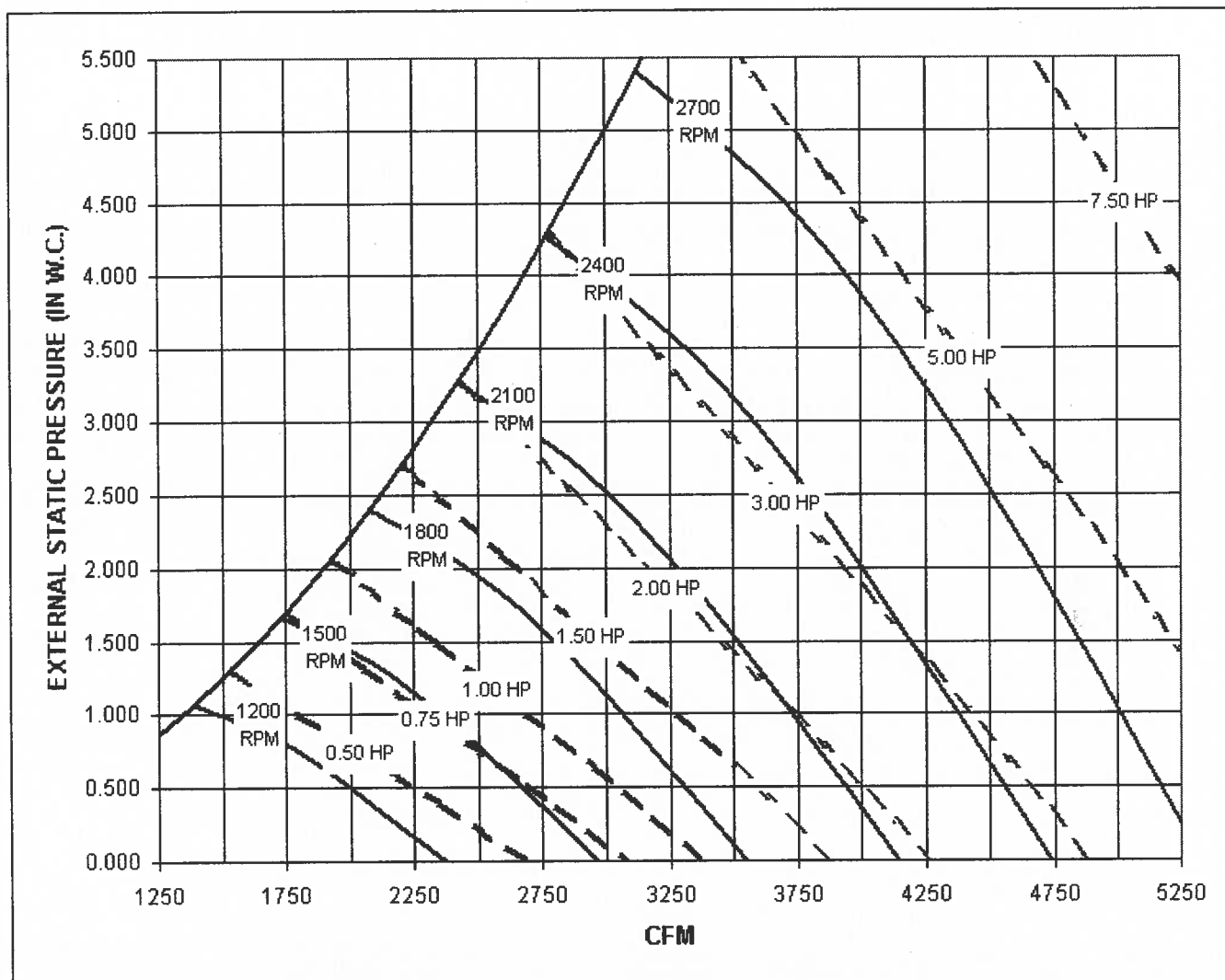
BI13TRM Performance Curve

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.

BI15TRM 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	2341 / 2.76
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	2471 / 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.

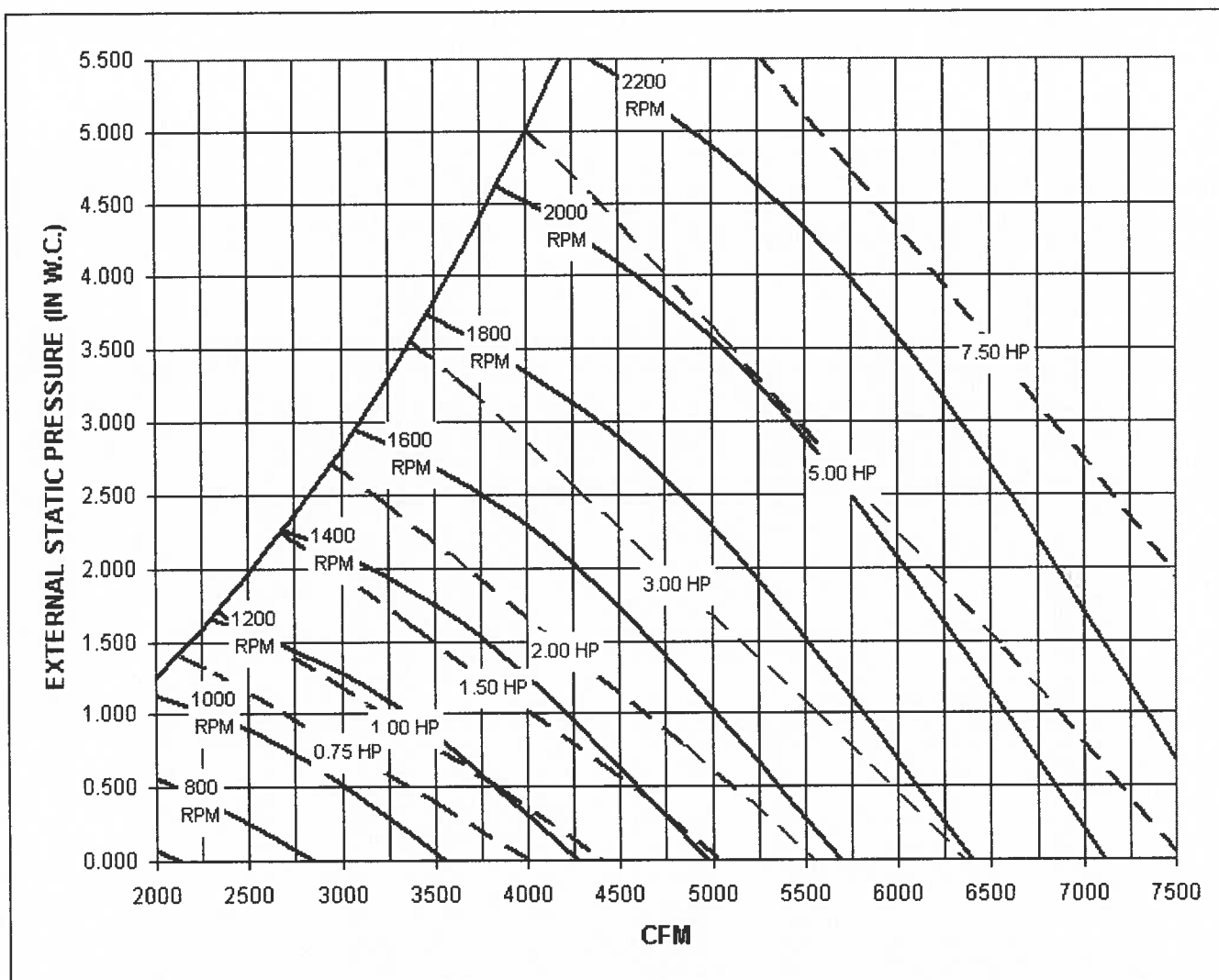
BI15TRM Performance Curve

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.

BI18TRM 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	1916 / 4.00
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	1981 / 4.61
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 / 5.36
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 / 6.17
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.

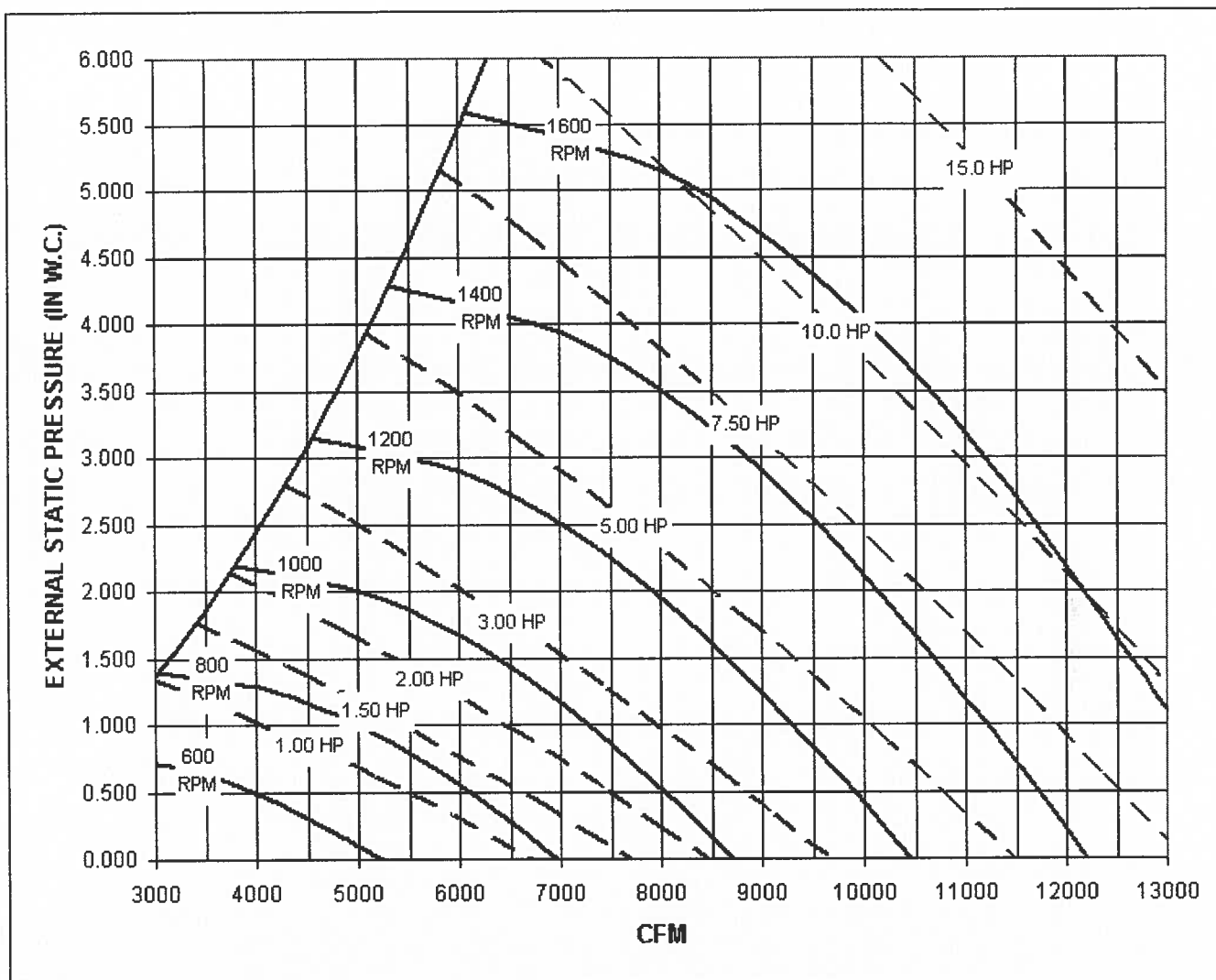
BI18TRM Performance Curve

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.

BI24TRM 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
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
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
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
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
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
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.

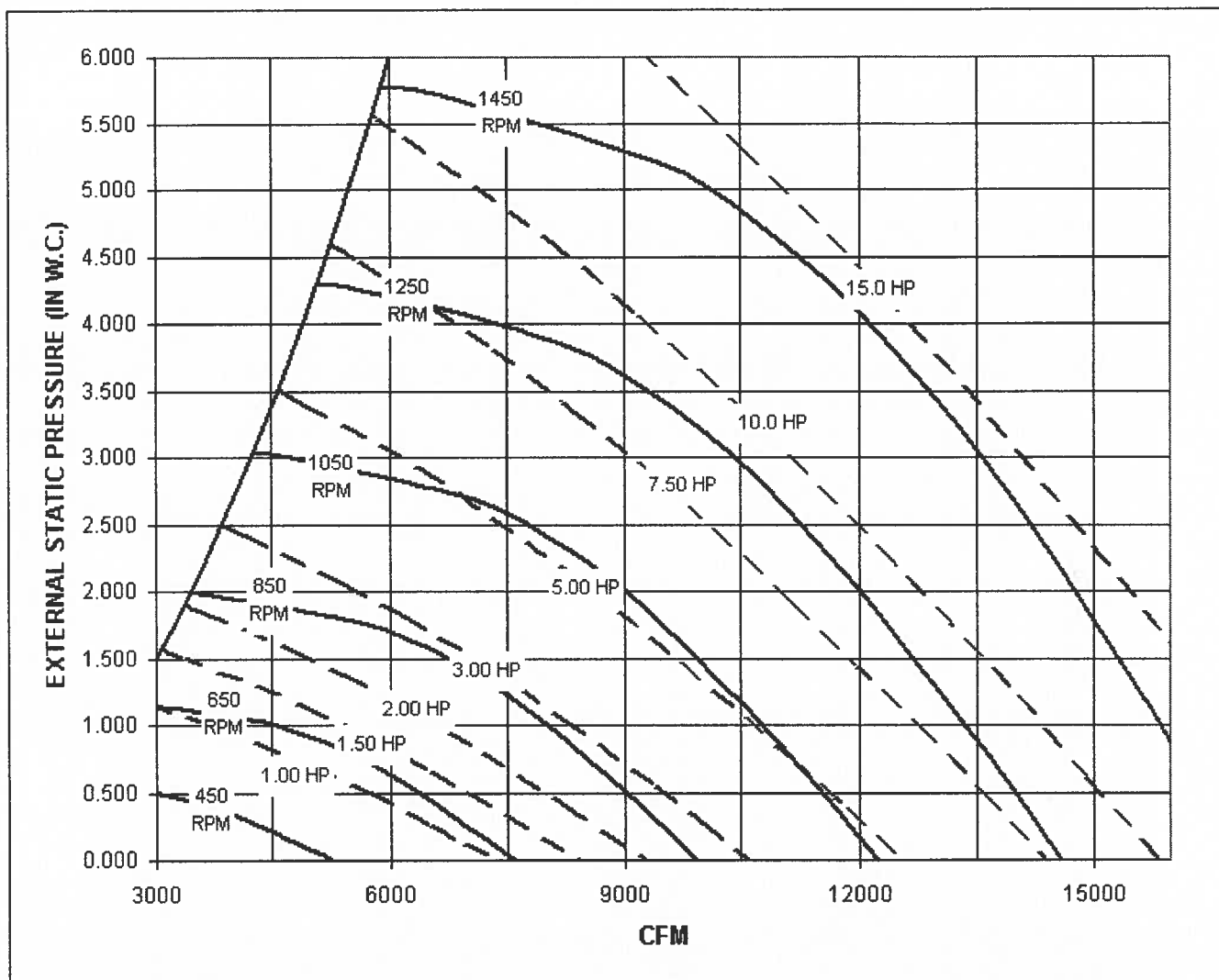
BI24TRM Performance Curve

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.

BI27TRM 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	3.5
		RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM/BHP	RPM
6000	1420	515 / 0.55	624 / 1.10	721 / 1.74	813 / 2.45	903 / 3.22	992 / 4.04	1080 / 4.90	1167
7000	1657	600 / 0.87	696 / 1.51	782 / 2.21	864 / 2.98	942 / 3.81	1020 / 4.70	1096 / 5.63	1173
8000	1894	686 / 1.29	772 / 2.02	849 / 2.79	922 / 3.63	993 / 4.52	1062 / 5.47	1130 / 6.47	1197
9000	2131	772 / 1.84	849 / 2.65	919 / 3.50	986 / 4.41	1050 / 5.37	1113 / 6.38	1174 / 7.43	1235
10000	2367	857 / 2.53	927 / 3.42	992 / 4.35	1054 / 5.33	1113 / 6.36	1171 / 7.43	1227 / 8.55	1282
11000	2604	943 / 3.36	1007 / 4.34	1067 / 5.36	1124 / 6.41	1179 / 7.51	1233 / 8.65	1285 / 9.83	1336 /
12000	2841	1029 / 4.36	1088 / 5.43	1144 / 6.53	1197 / 7.66	1249 / 8.83	1298 / 10.04	1347 / 11.29	1395 /
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 airstream. Power rating (BHP) does not include drive losses.

BI27TRM 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.