

SIFBD Performance Data

► SIFBD Sizes - Belt Drive Inline

Select one of the models listed below to see its performance data.



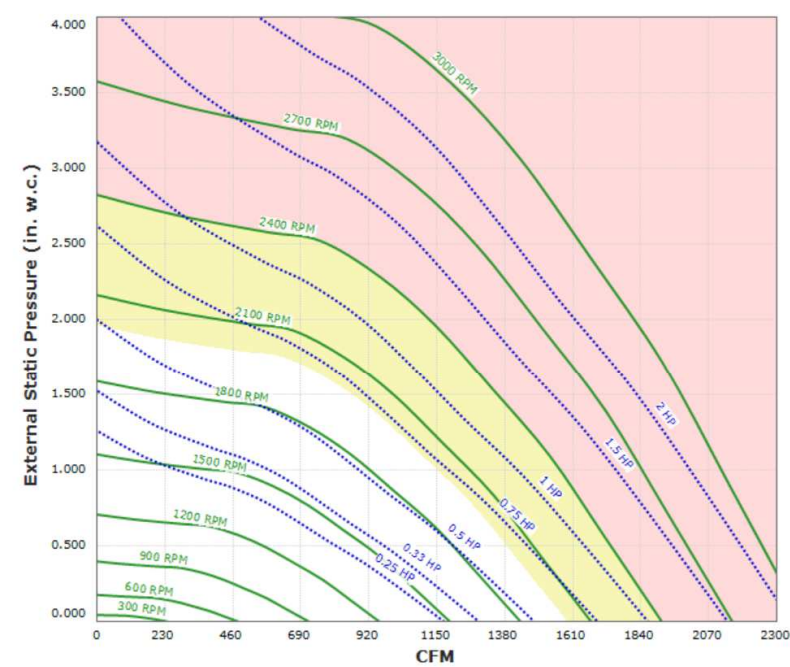
SIF11BD	Curve	Table
SIF11BDHP	Curve	Table
SIF13BD	Curve	Table
SIF13BDHP	Curve	Table
SIF15BD	Curve	Table
SIF15BDHP	Curve	Table
SIF18BD	Curve	Table
SIF18BDHP	Curve	Table
SIF20BD	Curve	Table
SIF20BDHP	Curve	Table
SIF24BD	Curve	Table
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SIF30BD	Curve	Table
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CERTIFICATIONS

CaptiveAire certifies that Models SIF11BD thru SIF36BD and Models SIF11BDHP thru SIF36BDHP are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and 311 and comply with the requirements of the AMCA Certified Rating Program.

SIF11BD Performance Curve



Max Sizeable RPM = 2400 RPM. Curve shown extended beyond this point for reference only.
Performance shown is certified for Installation Type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

Catalog #110C
October 2019

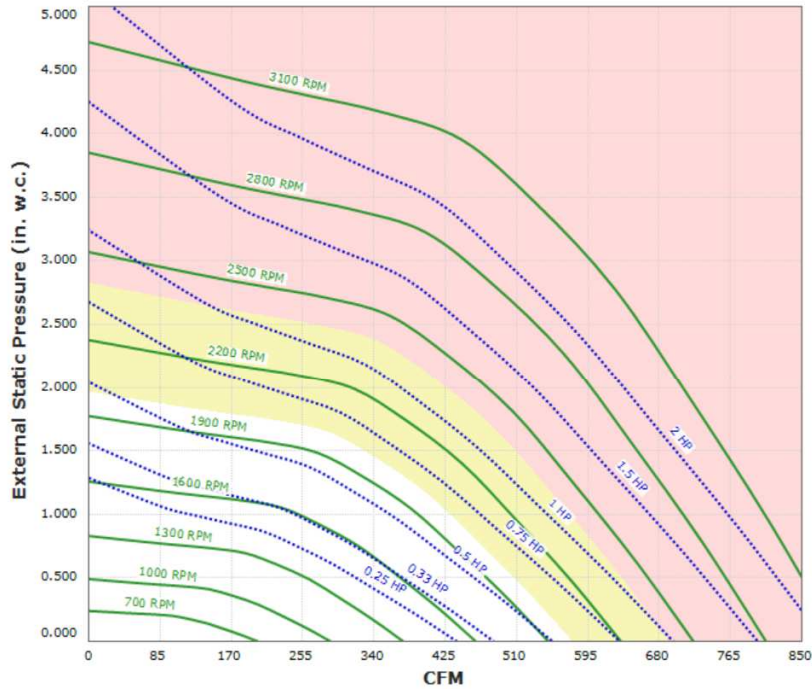
SIF11BD Performance Table

CFM	Static Pressure in Inches W.G.					
	0.000	0.500	1.000	1.500	2.000	2.500
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
230		1050 5.3 / 0.09	1474 9.9 / 0.24	1797 14.6 / 0.42	2072 18.6 / 0.63	
460	579 1.7 / 0.02	1127 6.1 / 0.13	1508 10.3 / 0.29	1825 15.0 / 0.50	2100 19.1 / 0.74	2347 24 / 1.01
690	868 4.4 / 0.05	1302 8.1 / 0.20	1620 11.9 / 0.38	1896 16.0 / 0.60	2150 20 / 0.85	2379 24 / 1.13
920	1157 7.5 / 0.12	1513 11.0 / 0.31	1793 15.1 / 0.52	2035 18.2 / 0.76	2255 22 / 1.02	
1150	1447 11.2 / 0.24	1745 14.9 / 0.46	1997 18.3 / 0.71	2216 22 / 0.98		
1380	1736 16.0 / 0.41	1991 19.0 / 0.66	2219 23 / 0.96			
1610	2025 21 / 0.65	2245 24 / 0.94				
1840	2314 27 / 0.97					

Max Sizeable RPM = 2400 RPM. Table shown extended beyond this point for reference only.
Performance shown is certified for Installation Type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses. The sound ratings shown are loudness values in sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Installation type B: free inlet hemispherical sone levels. Ratings do not include the effect of duct end correction.

Catalog #110C
October 2019

SIF11BDHP Performance Curve



Max Sizeable RPM = 2400 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

Catalog #110C
October 2019

SIF11BDHP Performance Table

SIF11BDHP

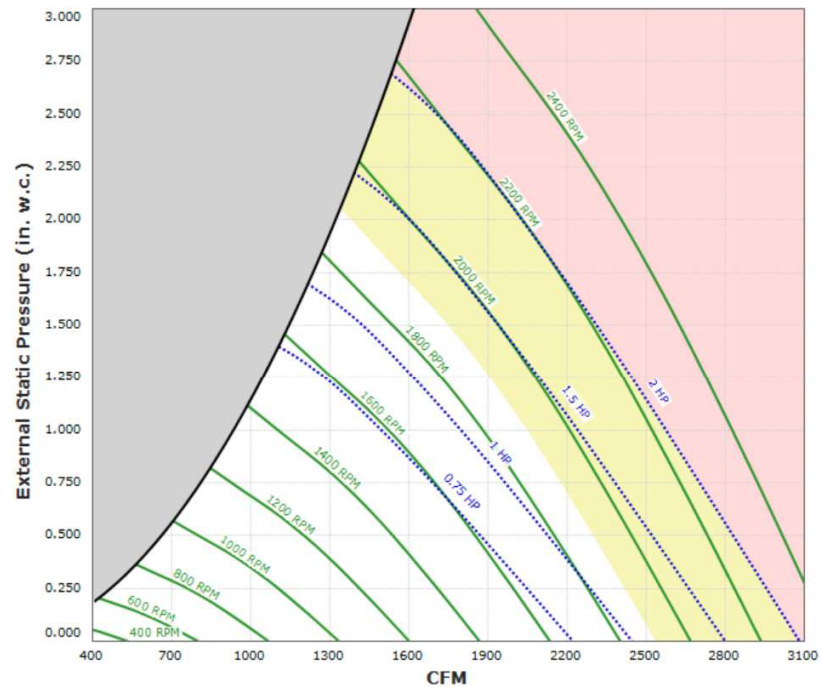
CFM	Static Pressure in Inches W.G.					
	0.000	0.500	1.000	1.500	2.000	2.500
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
85		1062 4.4 / 0.09	1466 7.7 / 0.23			
170	592 1.3 / 0.01	1118 4.8 / 0.12	1518 8.2 / 0.28	1828 11.4 / 0.47	2125 14.4 / 0.72	2361 17.0 / 0.97
255	885 3.8 / 0.05	1288 6.5 / 0.18	1604 9.0 / 0.34	1889 12.0 / 0.55	2143 14.6 / 0.79	2383 17.3 / 1.06
340	1181 6.5 / 0.12	1511 8.7 / 0.28	1780 11.4 / 0.47	2024 13.5 / 0.69	2237 15.7 / 0.92	
425	1476 9.5 / 0.23	1749 11.6 / 0.42	1986 14.0 / 0.64	2202 16.3 / 0.89	2388 17.9 / 1.13	
510	1771 13.1 / 0.39	2008 14.9 / 0.63	2217 16.9 / 0.88			
595	2066 16.9 / 0.63	2271 18.6 / 0.89				
680	2361 21.0 / 0.93					

Max Sizeable RPM = 2400 RPM. Table shown extended beyond this point for reference only.

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

Catalog #110C
October 2019

SIF13BD Performance Curve



Max Sizeable RPM = 2300 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type B: Free Inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

Catalog #110C
October 2019

SIF13BD Performance Table

SIF13BD

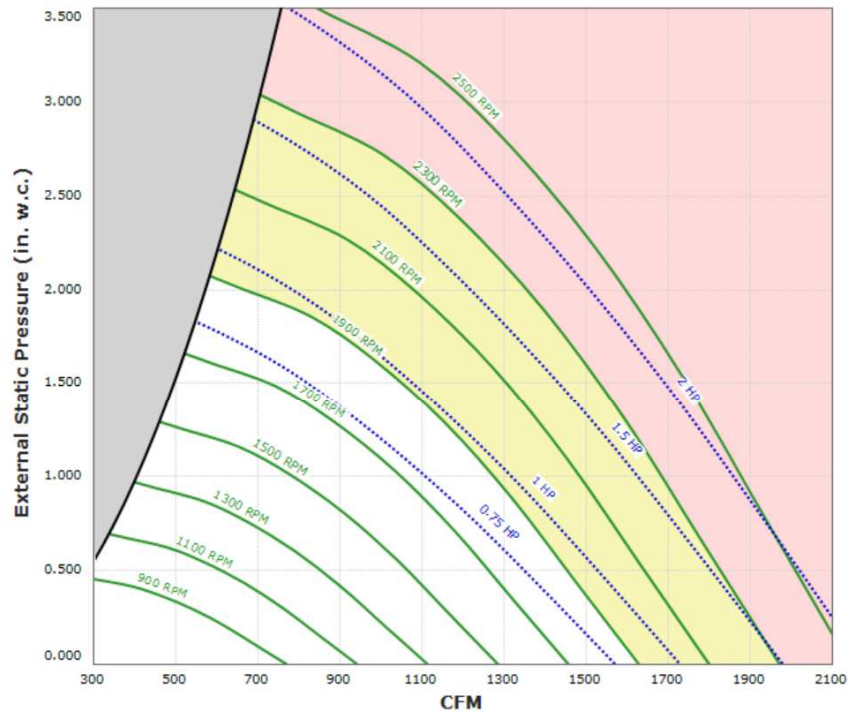
CFM	Static Pressure in Inches W.G.										
	0.000	0.250	0.500	0.750	1.000	1.250	1.500	1.750	2.000	2.250	2.500
RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM
Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP
700	526 1.9 / 0.02	768 3.7 / 0.09	964 5.7 / 0.17								
1000	751 4.2 / 0.07	935 5.6 / 0.15	1091 7.0 / 0.24	1232 8.5 / 0.35	1366 10.1 / 0.47						
1300	975 6.8 / 0.15	1125 8.0 / 0.26	1255 9.1 / 0.37	1376 10.4 / 0.49	1487 11.7 / 0.62	1593 13.2 / 0.76	1697 14.8 / 0.91	1803 16.2 / 1.08			
1600	1200 9.6 / 0.28	1326 10.9 / 0.41	1438 11.9 / 0.54	1541 12.9 / 0.68	1641 14.2 / 0.83	1735 15.4 / 0.99	1824 16.5 / 1.15	1912 17.9 / 1.32	1998 19.2 / 1.50	2078 20 / 1.68	2165 22 / 1.88
1900	1424 13.0 / 0.47	1533 14.2 / 0.62	1631 15.3 / 0.78	1723 16.2 / 0.93	1811 17.2 / 1.10	1896 18.2 / 1.28	1977 19.3 / 1.45	2056 20 / 1.64	2132 21 / 1.83		
2200	1649 16.6 / 0.73	1746 17.9 / 0.91	1832 19.1 / 1.08	1915 19.9 / 1.26	1993 21 / 1.45	2070 22 / 1.64	2144 22 / 1.84				
2500	1874 20 / 1.07	1961 22 / 1.27	2039 23 / 1.47	2113 24 / 1.67	2183 24 / 1.88						
2800	2099 24 / 1.50	2177 26 / 1.73	2249 27 / 1.95								

Max Sizeable RPM = 2300 RPM. Table shown extended beyond this point for reference only.

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

Catalog #110C
October 2019

SIF13BDHP Performance Curve



Max Sizeable RPM = 2300 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

Catalog #110C
October 2019

SIF13BDHP Performance Table

SIF13BDHP

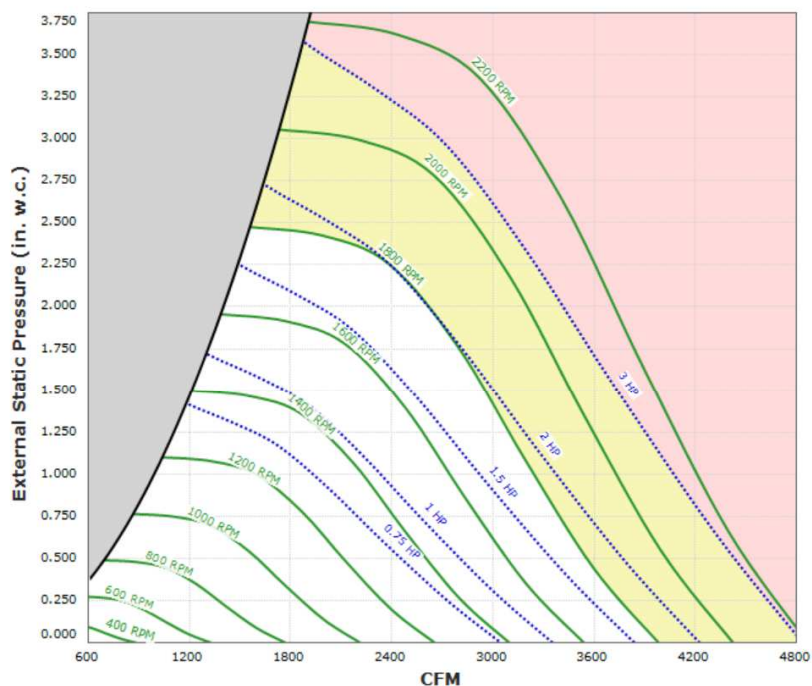
CFM	Static Pressure in Inches W.G.						
	0.000	0.500	1.000	1.500	2.000	2.500	3.000
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
300		940 5.3 / 0.11					
500	585 2.2 / 0.02	1025 6.1 / 0.15	1351 9.6 / 0.33	1623 13.3 / 0.56			
700	818 4.5 / 0.07	1167 7.6 / 0.22	1443 10.9 / 0.42	1687 14.2 / 0.66	1907 17.2 / 0.94	2108 20 / 1.24	2295 23 / 1.57
900	1051 7.1 / 0.14	1343 9.7 / 0.33	1576 12.8 / 0.56	1793 15.7 / 0.82	1991 18.4 / 1.10	2179 21 / 1.43	
1100	1284 9.9 / 0.26	1536 12.5 / 0.49	1743 15.2 / 0.74	1933 17.8 / 1.02	2111 20 / 1.33	2277 23 / 1.67	
1300	1517 13.2 / 0.43	1738 15.6 / 0.69	1923 18.0 / 0.98	2093 20 / 1.29	2253 23 / 1.62		
1500	1750 17.4 / 0.65	1948 19.0 / 0.96	2116 21 / 1.28	2273 23 / 1.62			
1700	1984 21 / 0.95	2163 23 / 1.29					
1900	2217 25 / 1.33						

Max Sizeable RPM = 2300 RPM. Table shown extended beyond this point for reference only.

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

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October 2019

SIF15BD Performance Curve



Max Sizeable RPM = 2200 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

Catalog #110C
October 2019

SIF15BD Performance Table

SIF15BD

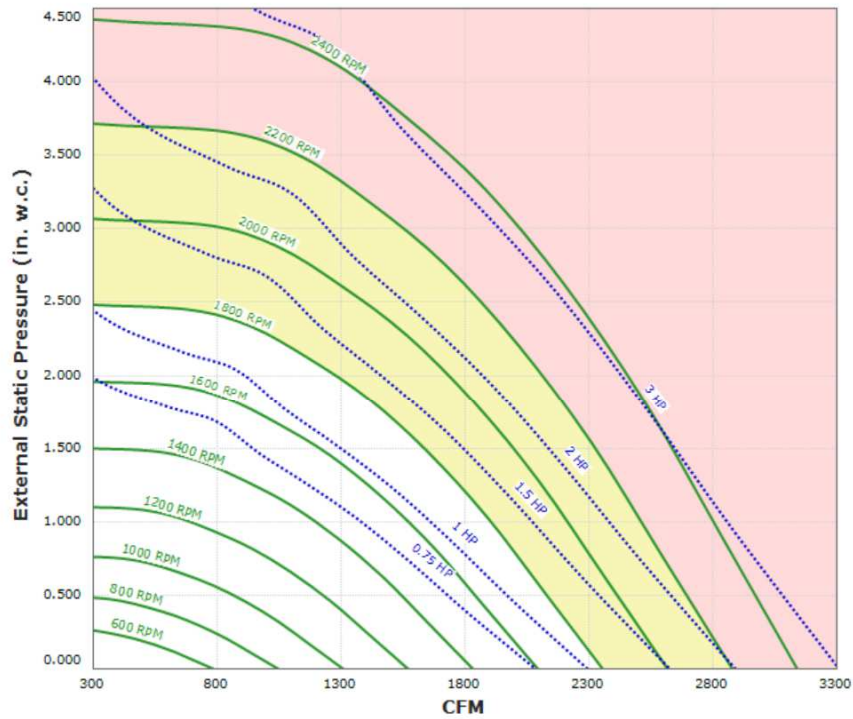
CFM	Static Pressure in Inches W.G.													
	0.000	0.250	0.500	0.750	1.000	1.250	1.500	1.750	2.000	2.250	2.500	2.750	3.000	3.250
RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM
Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP
600	573 2.9 / 0.06													
1200	544 3.4 / 0.05	732 4.7 / 0.13	869 6.4 / 0.23	1007 8.2 / 0.34	1146 10.1 / 0.48	1281 12.2 / 0.64								
1800	814 7.1 / 0.16	972 8.1 / 0.29	1074 9.1 / 0.41	1167 10.4 / 0.54	1258 11.8 / 0.68	1348 13.2 / 0.84	1440 14.7 / 1.01	1533 16.4 / 1.20	1626 18.2 / 1.41	1719 19.9 / 1.63	1811 22 / 1.86	1899 23 / 2.10	1985 25 / 2.36	2067 27 / 2.62
2400	1085 11.3 / 0.37	1225 12.3 / 0.55	1314 13.2 / 0.71	1392 14.2 / 0.88	1464 15.1 / 1.05	1534 16.4 / 1.22	1602 17.7 / 1.41	1670 19.0 / 1.60	1738 20 / 1.81	1806 22 / 2.02	1875 23 / 2.25	1943 24 / 2.48	2013 26 / 2.74	2083 27 / 3.00
3000	1356 16.3 / 0.72	1483 17.6 / 0.96	1565 18.3 / 1.17	1635 19.0 / 1.37	1698 19.9 / 1.57	1758 21 / 1.78	1816 22 / 1.99	1871 23 / 2.21	1927 24 / 2.43	1982 25 / 2.66	2037 26 / 2.90			
3600	1627 22 / 1.24	1743 23 / 1.54	1821 24 / 1.80	1886 25 / 2.04	1944 25 / 2.29	1999 26 / 2.53	2050 27 / 2.78							
4200	1898 28 / 1.97	2006 29 / 2.33	2079 30 / 2.64	2141 31 / 2.93										
4800	2169 35 / 2.93													

Max Sizeable RPM = 2200 RPM. Table shown extended beyond this point for reference only.

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

Catalog #110C
October 2019

SIF15BDHP Performance Curve



Max Sizeable RPM = 2200 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

Catalog #110C
October 2019

SIF15BDHP Performance Table

SIF15BDHP

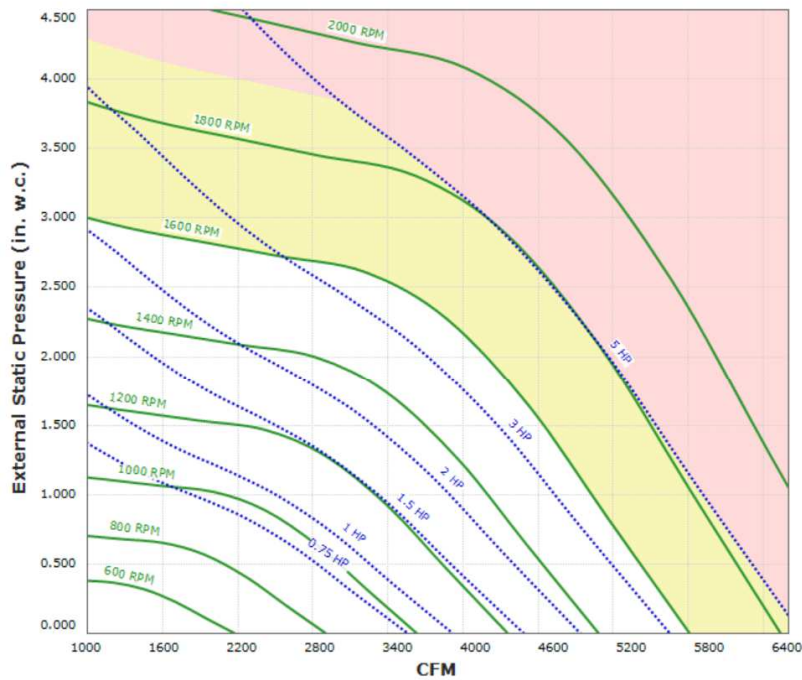
CFM	Static Pressure in Inches W.G.							
	0.000	0.500	1.000	1.500	2.000	2.500	3.000	3.500
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
300		811 4.6 / 0.11	1136 8.1 / 0.28	1395 11.5 / 0.50	1613 14.7 / 0.75			
800	613 3.4 / 0.04	966 6.3 / 0.21	1233 9.3 / 0.42	1457 12.4 / 0.67	1653 15.3 / 0.96	1831 18.1 / 1.28	1995 20 / 1.63	2145 23 / 2.01
1300	995 7.7 / 0.18	1245 9.7 / 0.43	1451 12.3 / 0.70	1635 15.0 / 0.99	1806 17.7 / 1.33	1961 20 / 1.68	2110 22 / 2.07	
1800	1377 12.9 / 0.49	1572 14.9 / 0.81	1737 16.9 / 1.16	1889 19.0 / 1.52	2032 21 / 1.91	2166 23 / 2.32		
2300	1760 19.1 / 1.01	1918 21 / 1.43	2057 22 / 1.86	2186 24 / 2.30				
2800	2141 25 / 1.83							

Max Sizeable RPM = 2200 RPM. Table shown extended beyond this point for reference only.

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

Catalog #110C
October 2019

SIF18BD Performance Curve



Max Sizeable RPM = 1900 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type B: Free Inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

Catalog #110C
October 2019

SIF18BD Performance Table

SIF18BD

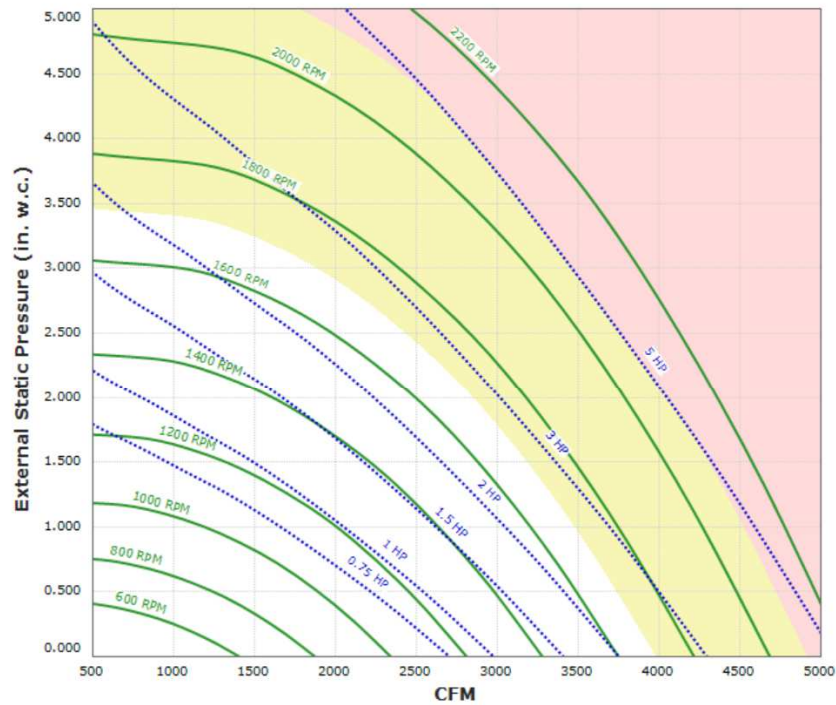
CFM	Static Pressure in Inches W.C.								
	0.000	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
1000		680 6.2 / 0.22	946 10.6 / 0.51	1147 14.6 / 0.84	1314 18.3 / 1.20	1462 22 / 1.60	1595 25 / 2.04	1718 28 / 2.50	1832 31 / 2.99
1600		720 6.8 / 0.32	968 11.0 / 0.68	1174 15.1 / 1.10	1347 19.0 / 1.55	1497 23 / 2.02	1633 26 / 2.53	1756 29 / 3.06	1871 32 / 3.61
2200	606 5.4 / 0.18	820 8.4 / 0.48	1011 11.8 / 0.87	1197 15.6 / 1.35	1367 19.5 / 1.89	1519 23 / 2.46	1658 26 / 3.05	1784 30 / 3.67	
2800	771 8.2 / 0.37	950 10.7 / 0.73	1100 13.6 / 1.15	1251 16.8 / 1.66	1400 20 / 2.24	1544 24 / 2.88	1678 27 / 3.55	1804 30 / 4.26	
3400	936 11.3 / 0.65	1093 13.5 / 1.10	1219 16.1 / 1.56	1342 18.9 / 2.09	1467 22 / 2.70	1590 25 / 3.37	1713 28 / 4.09	1831 31 / 4.86	
4000	1102 14.8 / 1.07	1242 16.8 / 1.59	1353 19.2 / 2.11	1458 22 / 2.68	1563 24 / 3.31	1669 27 / 4.00	1775 29 / 4.75		
4600	1267 18.5 / 1.62	1394 21 / 2.23	1495 23 / 2.82	1588 25 / 3.44	1680 27 / 4.10	1771 29 / 4.82			
5200	1431 23 / 2.34	1549 24 / 3.04	1642 26 / 3.69	1727 28 / 4.37					
5800	1597 27 / 3.25	1706 29 / 4.03	1792 30 / 4.77						
6400	1762 32 / 4.36								

Max Sizeable RPM = 1900 RPM. Table shown extended beyond this point for reference only.

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

Catalog #110C
October 2019

SIF18BDHP Performance Curve



Max Sizeable RPM = 2100 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

Catalog #110C
October 2019

SIF18BDHP Performance Table

SIF18BDHP

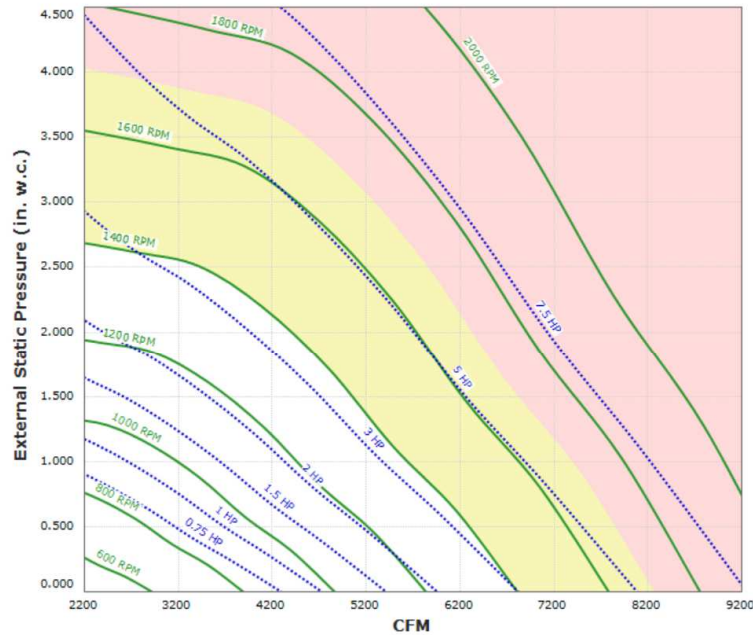
CFM	Static Pressure in Inches W.G.										
	0.000	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	5.000
	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM	RPM
	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP	Sone/BHP
500		658 5.0 / 0.14	916 8.9 / 0.34	1119 12.1 / 0.59	1292 15.2 / 0.87	1445 18.4 / 1.18					
1000		739 6.2 / 0.22	967 9.7 / 0.47	1153 12.8 / 0.76	1316 15.7 / 1.10	1462 18.8 / 1.46	1595 22 / 1.86	1718 24 / 2.28	1832 27 / 2.71	1942 29 / 3.18	2028 31 / 3.59
1500	641 5.6 / 0.13	873 8.2 / 0.37	1065 11.2 / 0.67	1232 14.1 / 1.01	1381 17.0 / 1.38	1517 20 / 1.79	1641 23 / 2.23	1758 25 / 2.69	1868 28 / 3.18	1974 30 / 3.70	2072 33 / 4.23
2000	854 9.2 / 0.30	1036 10.7 / 0.61	1198 13.5 / 0.96	1344 16.3 / 1.35	1478 19.1 / 1.77	1603 22 / 2.23	1720 24 / 2.71	1830 27 / 3.22	1934 29 / 3.76	2033 32 / 4.31	
2500	1068 13.0 / 0.59	1217 14.5 / 0.97	1354 16.5 / 1.38	1482 19.2 / 1.82	1602 22 / 2.30	1715 24 / 2.80	1822 27 / 3.33	1925 29 / 3.89	2021 31 / 4.46		
3000	1281 17.3 / 1.02	1408 18.8 / 1.47	1526 20 / 1.94	1638 22 / 2.44	1745 25 / 2.97	1847 27 / 3.53	1946 30 / 4.11	2039 32 / 4.72			
3500	1494 22 / 1.63	1604 24 / 2.13	1708 25 / 2.67	1808 26 / 3.24	1903 29 / 3.83	1995 31 / 4.44					
4000	1708 28 / 2.43	1804 29 / 3.00	1897 30 / 3.61	1986 31 / 4.23	2073 33 / 4.89						
4500	1921 33 / 3.46	2008 34 / 4.10	2091 35 / 4.77								

Max Sizeable RPM = 2100 RPM. Table shown extended beyond this point for reference only.

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

Catalog #110C
October 2019

SIF20BD Performance Curve



Max Sizeable RPM = 1700 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

Catalog #110C
October 2019

SIF20BD Performance Table

SIF20BD

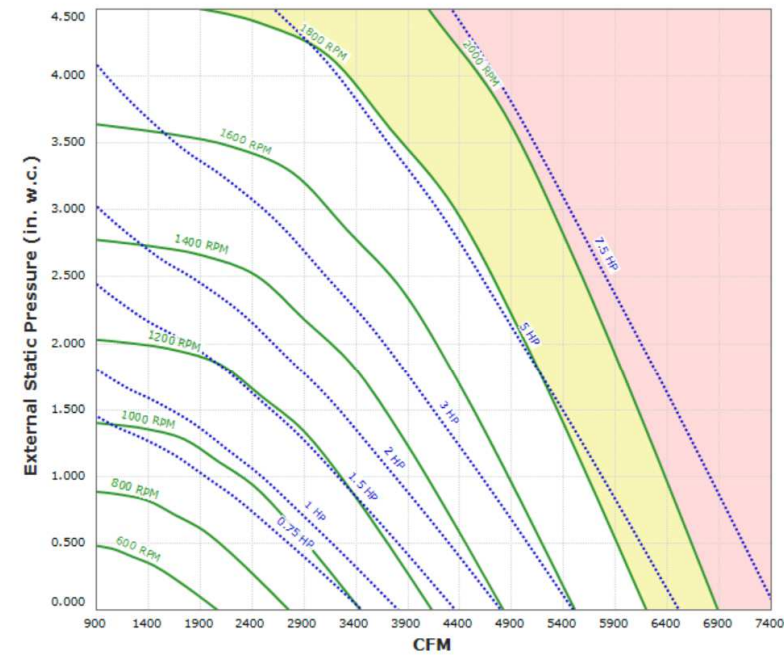
CFM	Static Pressure in Inches W.G.							
	0.000	0.500	1.000	1.500	2.000	2.500	3.000	3.500
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
2200		701 8.4 / 0.43	888 12.4 / 0.84	1057 16.4 / 1.33	1211 21 / 1.88	1351 25 / 2.47	1479 29 / 3.10	1599 33 / 3.76
3200	658 8.3 / 0.31	852 11.6 / 0.76	1003 15.0 / 1.25	1138 18.6 / 1.81	1264 22 / 2.43	1383 26 / 3.11	1498 30 / 3.83	1608 33 / 4.60
4200	863 13.0 / 0.70	1022 15.5 / 1.29	1153 19.0 / 1.89	1268 22 / 2.53	1375 26 / 3.22	1477 29 / 3.96	1574 32 / 4.75	1669 35 / 5.59
5200	1069 18.5 / 1.33	1202 21 / 2.06	1318 24 / 2.79	1421 27 / 3.53	1516 31 / 4.31	1606 33 / 5.13	1692 36 / 5.99	
6200	1274 25 / 2.26	1388 28 / 3.13	1491 30 / 3.99	1585 33 / 4.86	1672 35 / 5.74			
7200	1480 31 / 3.54	1578 35 / 4.55	1671 37 / 5.56					
8200	1686 39 / 5.23							

Max Sizeable RPM = 1700 RPM. Table shown extended beyond this point for reference only.

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

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SIF20BDHP Performance Curve



Max Sizeable RPM = 2000 RPM. Curve shown extended beyond this point for reference only.
Performance shown is certified for Installation Type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

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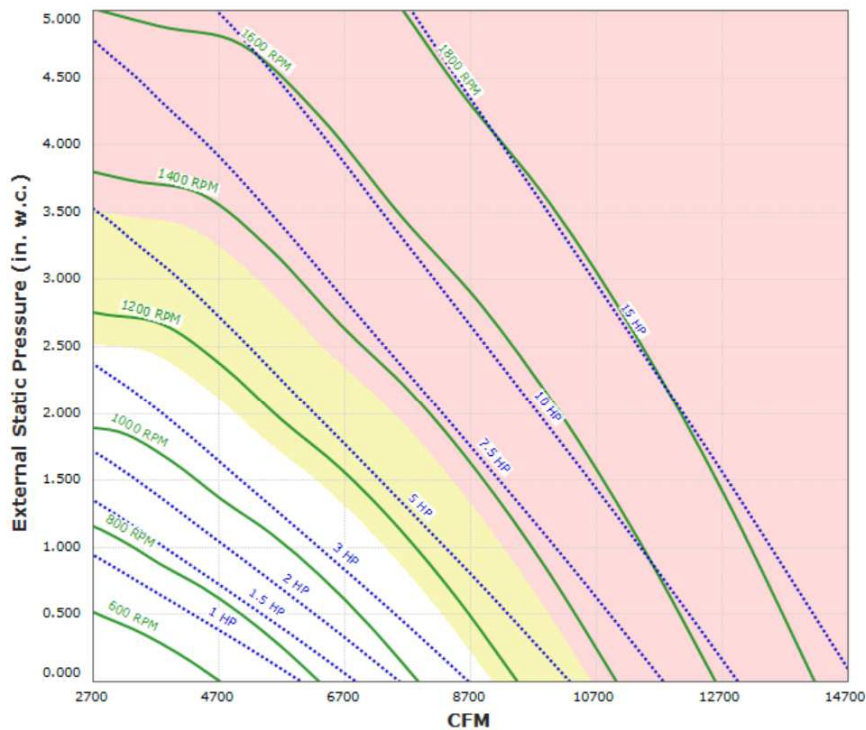
SIF20BDHP Performance Table

CFM		Static Pressure in Inches W.G.									
		0.000	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
		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	RPM Sone/BHP
900		610 5.8 / 0.19	847 9.9 / 0.46	1033 13.6 / 0.79	1192 16.9 / 1.16	1329 20 / 1.55	1454 23 / 1.98	1568 26 / 2.43	1676 29 / 2.92		
1400		668 6.7 / 0.27	873 10.5 / 0.56	1048 13.8 / 0.93	1202 17.2 / 1.34	1338 20 / 1.80	1464 23 / 2.30	1580 26 / 2.82	1687 29 / 3.37	1788 32 / 3.95	
1900		761 8.4 / 0.40	933 11.6 / 0.73	1087 14.7 / 1.11	1228 17.7 / 1.56	1358 21 / 2.05	1479 24 / 2.58	1591 27 / 3.14	1696 29 / 3.74	1798 32 / 4.38	
2400	698 7.7 / 0.25	872 10.5 / 0.58	1019 13.3 / 0.95	1153 16.1 / 1.38	1279 18.8 / 1.85	1398 22 / 2.36	1509 25 / 2.91	1616 27 / 3.51	1717 30 / 4.13	1814 33 / 4.80	
2900	843 10.6 / 0.44	993 12.8 / 0.83	1121 15.4 / 1.26	1240 18.0 / 1.72	1353 21 / 2.23	1459 23 / 2.77	1562 26 / 3.35	1660 28 / 3.97	1754 31 / 4.62	1846 34 / 5.31	
3400	988 13.5 / 0.71	1120 15.6 / 1.16	1235 17.9 / 1.65	1341 20 / 2.16	1442 23 / 2.71	1538 25 / 3.29	1632 28 / 3.90	1722 30 / 4.55	1809 33 / 5.22	1894 35 / 5.93	
3900	1133 16.6 / 1.08	1250 18.5 / 1.59	1354 21 / 2.13	1451 23 / 2.70	1543 25 / 3.29	1631 28 / 3.92	1717 30 / 4.57	1800 32 / 5.25	1880 35 / 5.96	1959 37 / 6.70	
4400	1278 20 / 1.55	1384 21 / 2.12	1479 24 / 2.72	1568 26 / 3.34	1652 28 / 3.99	1733 30 / 4.66	1812 33 / 5.36	1889 35 / 6.09	1963 37 / 6.83		
4900	1424 24 / 2.14	1519 24 / 2.77	1607 27 / 3.43	1689 29 / 4.11	1767 32 / 4.82	1843 34 / 5.54	1916 36 / 6.29	1987 38 / 7.06			
5400	1569 28 / 2.86	1656 28 / 3.55	1737 32 / 4.28	1814 33 / 5.02	1887 35 / 5.78	1957 37 / 6.56					
5900	1714 32 / 3.73	1795 31 / 4.49	1871 36 / 5.27	1942 37 / 6.07							
6400	1859 37 / 4.76	1934 48 / 5.58									

Max Sizeable RPM = 2000 RPM. Table shown extended beyond this point for reference only.
Performance shown is certified for Installation Type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses. The sound ratings shown are loudness values in sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Installation type B: free inlet hemispherical sone levels. Ratings do not include the effect of duct end correction.

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SIF24BD Performance Curve



Max Sizeable RPM = 1350 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

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October 2019

SIF24BD Performance Table

SIF24BD

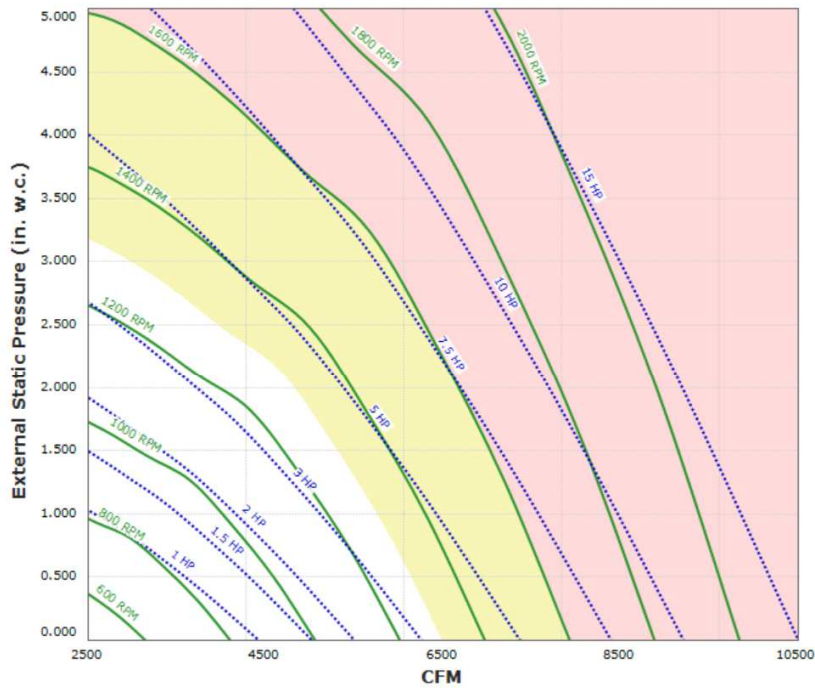
CFM	Static Pressure in Inches W.G.							
	0.000	0.500	1.000	1.500	2.000	2.500	3.000	3.500
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
2700			757 14.5 / 1.07	899 19.0 / 1.70	1025 23 / 2.41	1140 28 / 3.19	1244 32 / 4.03	1341 36 / 4.92
4700		767 14.9 / 1.17	905 19.2 / 1.93	1021 23 / 2.74	1125 27 / 3.62	1221 31 / 4.56	1312 35 / 5.55	
6700	852 18.0 / 1.39	972 22 / 2.33	1090 26 / 3.36	1193 30 / 4.42	1285 34 / 5.52			
8700	1106 27 / 3.04	1197 30 / 4.22	1292 34 / 5.51					

Max Sizeable RPM = 1350 RPM. Table shown extended beyond this point for reference only.

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

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SIF24BDHP Performance Curve



Max Sizeable RPM = 1600 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

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SIF24BDHP Performance Table

SIF24BDHP

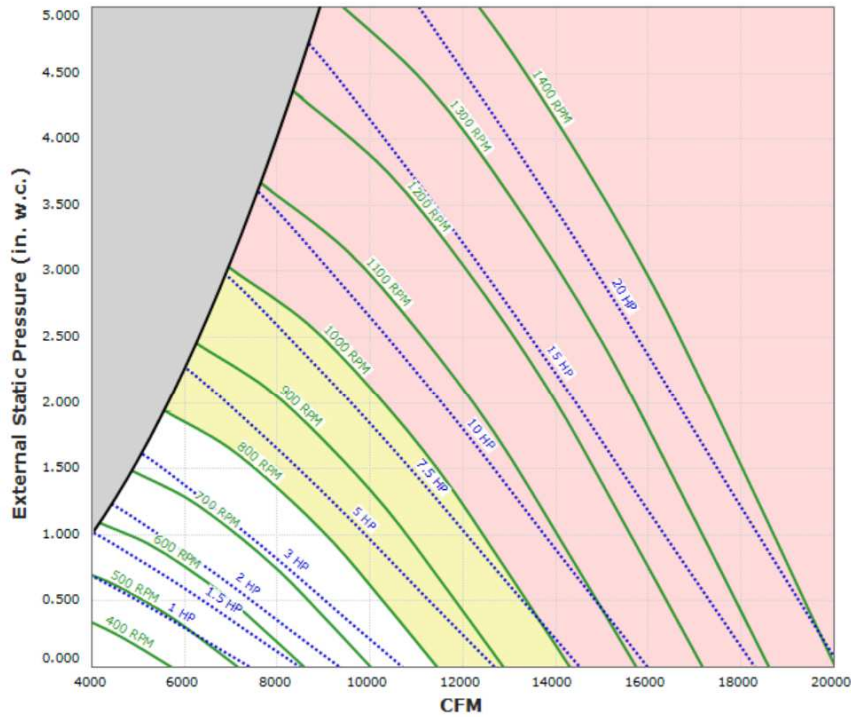
CFM	Static Pressure in Inches W.G.									
	0.000	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
2500		645 9.4 / 0.51	807 13.5 / 0.97	945 17.3 / 1.50	1064 21 / 2.10	1171 24 / 2.75	1268 27 / 3.45	1359 30 / 4.20	1443 33 / 4.98	1523 37 / 5.81
4500	837 14.7 / 0.90	942 17.2 / 1.47	1041 20 / 2.10	1139 23 / 2.79	1234 26 / 3.55	1325 29 / 4.36	1412 32 / 5.21	1495 35 / 6.11	1574 39 / 7.06	
6500	1209 26 / 2.71	1284 27 / 3.52	1354 30 / 4.36	1424 33 / 5.24	1492 35 / 6.17	1560 38 / 7.14				
8500	1581 40 / 6.06									

Max Sizeable RPM = 1600 RPM. Table shown extended beyond this point for reference only.

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

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SIF30BD Performance Curve



Max Sizeable RPM = 1000 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

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October 2019

SIF30BD Performance Table

SIF30BD

CFM	Static Pressure in Inches W.G.					
	0.000	0.500	1.000	1.500	2.000	2.500
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
4000		447 7.7 / 0.74	575 12.0 / 1.46			
6000	420 7.4 / 0.53	544 10.8 / 1.34	647 14.7 / 2.25	738 18.0 / 3.26	822 21 / 4.35	
8000	559 12.1 / 1.26	659 15.1 / 2.31	743 18.2 / 3.42	821 21 / 4.62	894 25 / 5.90	962 28 / 7.25
10000	699 17.5 / 2.46	782 20 / 3.77	854 23 / 5.10	921 26 / 6.50	985 29 / 7.98	
12000	839 23 / 4.24	910 26 / 5.83	973 29 / 7.39			
14000	979 30 / 6.74					

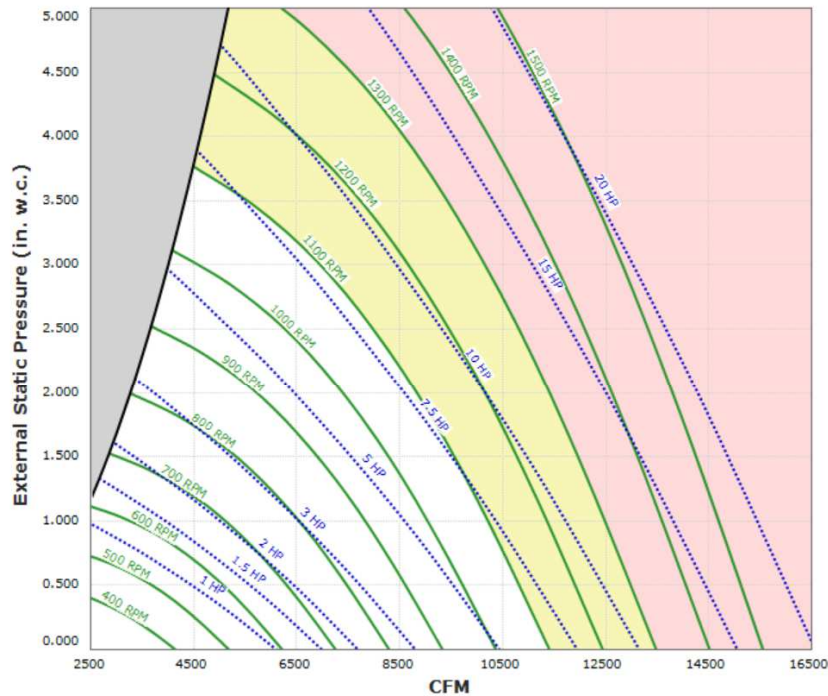
Max Sizeable RPM = 1000 RPM. Table shown extended beyond this point for reference only.

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

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SIF30BDHP Performance Curve



Max Sizeable RPM = 1300 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type B: Free Inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

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SIF30BDHP Performance Table

SIF30BDHP

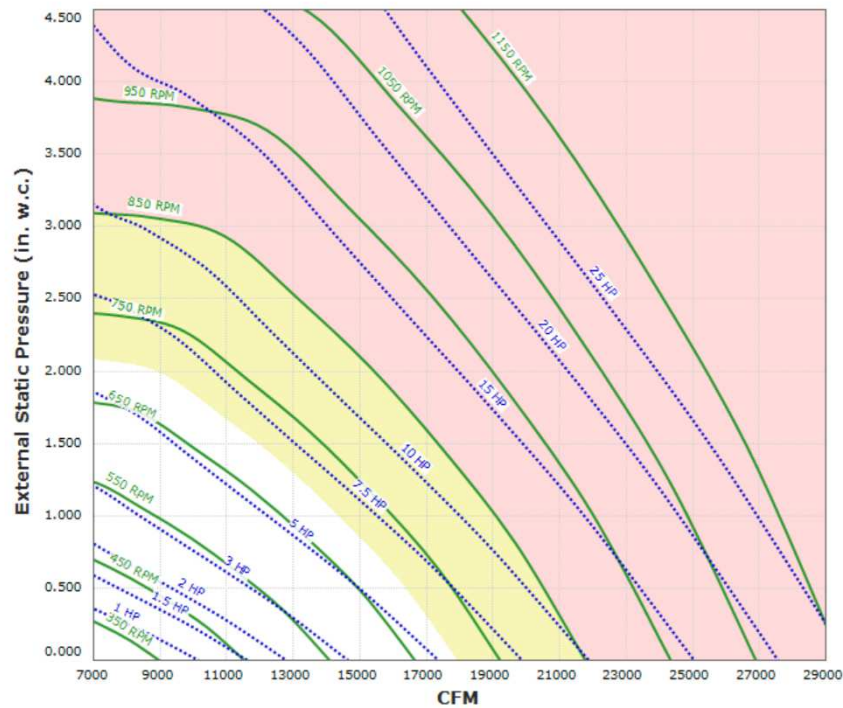
CFM	Static Pressure in Inches W.G.									
	0.000	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
2500		432 7.4 / 0.48	571 11.4 / 1.02							
4500	434 7.9 / 0.40	556 10.9 / 1.01	662 14.3 / 1.74	757 17.5 / 2.56	842 20 / 3.46	921 23 / 4.42	995 26 / 5.46	1065 29 / 6.55		
6500	627 14.3 / 1.21	716 16.0 / 2.04	796 18.9 / 2.96	872 22 / 3.97	944 24 / 5.05	1012 27 / 6.20	1077 30 / 7.40	1138 32 / 8.66	1197 35 / 9.96	1253 39 / 11.32
8500	820 21 / 2.70	890 23 / 3.76	954 25 / 4.89	1016 27 / 6.10	1075 30 / 7.37	1133 32 / 8.70	1189 35 / 10.10	1243 38 / 11.54	1296 40 / 13.03	
10500	1013 30 / 5.10	1071 31 / 6.38	1124 32 / 7.72	1176 34 / 9.15	1226 37 / 10.62	1275 40 / 12.15				
12500	1205 40 / 8.60	1255 41 / 10.12								

Max Sizeable RPM = 1300 RPM. Table shown extended beyond this point for reference only.

Performance shown is certified for Installation Type B: Free Inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses. The sound ratings shown are loudness values in sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Installation type B: free inlet hemispherical sone levels. Ratings do not include the effect of duct end correction.

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SIF36BD Performance Curve



Max Sizeable RPM = 850 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

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SIF36BD Performance Table

SIF36BD

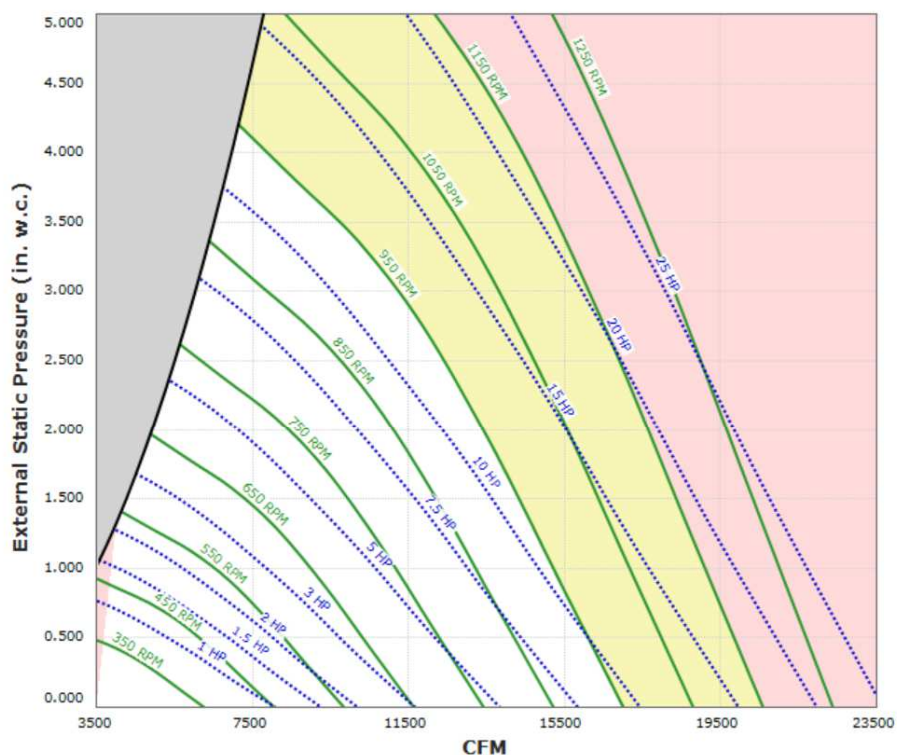
CFM	Static Pressure in Inches W.G.						
	0.000	0.500	1.000	1.500	2.000	2.500	3.000
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
7000	274 5.0 / 0.33	406 9.5 / 1.30	509 13.6 / 2.47	600 18.1 / 3.86	684 22 / 5.47	762 27 / 7.28	835 31 / 9.24
9000	352 7.9 / 0.70	461 11.6 / 1.89	552 15.7 / 3.25	631 19.7 / 4.75	704 24 / 6.42	774 27 / 8.28	840 31 / 10.31
11000	430 11.0 / 1.28	521 14.2 / 2.68	604 18.3 / 4.27	675 22 / 5.95	741 26 / 7.76	803 29 / 9.70	
13000	508 14.7 / 2.11	585 17.7 / 3.70	660 21 / 5.54	727 25 / 7.45	787 28 / 9.44	844 31 / 11.53	
15000	586 18.7 / 3.23	652 21 / 5.01	720 24 / 7.08	782 28 / 9.25	839 31 / 11.46		
17000	664 23 / 4.71	721 25 / 6.66	782 28 / 8.95	840 31 / 11.36			
19000	742 28 / 6.57	793 30 / 8.70	847 32 / 11.19				
21000	820 32 / 8.87						

Max Sizeable RPM = 850 RPM. Table shown extended beyond this point for reference only.

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

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SIF36BDHP Performance Curve



Max Sizeable RPM = 1150 RPM. Curve shown extended beyond this point for reference only.

Performance shown is certified for Installation Type B: Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) includes transmission losses.

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SIF36BDHP Performance Table

SIF36BDHP

CFM	Static Pressure in Inches W.G.										
	0.000	0.500	1.000	1.500	2.000	2.500	3.000	3.500	4.000	4.500	5.000
	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	RPM Sone/BHP	RPM Sone/BHP
3500		353 6.3 / 0.62	473 10.0 / 1.37								
7500	419 9.8 / 0.80	511 11.4 / 1.76	586 14.3 / 2.80	656 17.1 / 3.97	721 20 / 5.25	782 23 / 6.63	840 25 / 8.11	896 28 / 9.69	951 30 / 11.38	1003 33 / 13.17	
11500	643 19.9 / 2.88	710 21 / 4.37	765 22 / 5.81	817 24 / 7.32	866 26 / 8.91	913 29 / 10.59	959 31 / 12.35	1003 33 / 14.19	1046 35 / 16.11	1088 38 / 18.09	1127 40 / 20.03
15500	866 32 / 7.04	919 33 / 9.11	965 34 / 11.05	1006 34 / 12.99	1046 35 / 14.96	1084 38 / 16.98	1121 40 / 19.08				
19500	1089 47 / 14.02	1133 48 / 16.68									

Max Sizeable RPM = 1150 RPM. Table shown extended beyond this point for reference only.

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

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